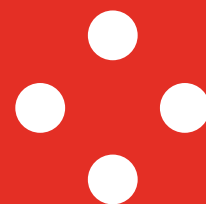


IZVLEČKI V ANGLEŠČINI



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Izveščki iz novih slovenskih nacionalnih standardov v angleškem jeziku

SIST/TC AGO Alternativna goriva iz odpadkov

SIST EN ISO 18847:2024 SIST EN ISO 18847:2016
2024-07 (po) (en;fr;de) **22 str. (F)**
Trdna biogoriva - Določevanje gostote delcev peletov in briketov (ISO 18847:2024)
Solid biofuels - Determination of particle density of pellets and briquettes (ISO 18847:2024)
Osnova: EN ISO 18847:2024
ICS: 27.190, 17.060, 75.160.40

ISO 18847:2016 specifies the method for determining the particle density of compressed fuels such as pellets or briquettes. Particle density is not an absolute value and conditions for its determination have to be standardized to enable comparative determinations to be made.

SIST/TC AKU Akustika

SIST EN 17823:2024
2024-07 (po) (en;fr;de) **30 str. (G)**
Akustične lastnosti gradbenih elementov in stavb - Laboratorijsko merjenje izoliranosti stopnic in stopniških izolacijskih elementov pred udarnim zvokom
Acoustic properties of building elements and of buildings - Laboratory measurement of the impact sound insulation of stairs and stair isolating elements
Osnova: EN 17823:2024
ICS: 91.120.20, 91.060.30

This standard defines procedures to measure in laboratory the impact sound level reduction of isolated heavy landings connected to a heavy wall, isolated heavy flights of stairs connected to a heavy landing, floor or ceiling, and lightweight stairs connected to a heavy wall, floor or ceiling. This standard also considers the characterization of isolating elements for heavy landings or heavy flights of stairs in terms of an insertion loss expressed as an impact sound level difference. The corresponding procedure is given in a normative annex (Annex A), separated from the other procedures for the sake of clarity.

SIST EN ISO 16032:2024 SIST EN ISO 16032:2005
2024-07 (po) (en;fr;de) **29 str. (G)**
Akustika - Merjenje ravni zvočnega tlaka obratovalne opreme ali aktivnosti v stavbah - Inženirska metoda (ISO 16032:2024)
Acoustics - Measurement of sound pressure level from service equipment or activities in buildings - Engineering method (ISO 16032:2024)
Osnova: EN ISO 16032:2024
ICS: 91.120.20, 17.140.20

ISO 16032:2004 specifies methods for measuring the sound-pressure level produced by service equipment attached to or installed in buildings. It specifically covers measurements on sanitary installations, mechanical ventilation, heating and cooling service equipment, lifts, rubbish chutes, boilers, blowers, pumps and other auxiliary service equipment, and motor-driven car park doors, but can also be applied to other equipment attached to or installed in buildings. The methods are suitable for rooms with volumes of approximately 300 cubic metres or less in e.g. dwellings, hotels, schools, offices and hospitals. The standard is not in general intended for

measurements in large auditoria such as concert halls. However, the operating conditions and operating cycles in Annex B can be used in such cases.

The service equipment sound-pressure level is determined as the maximum A-weighted and optionally C-weighted sound-pressure level occurring during a specified operation cycle of the service equipment under test, or as the equivalent continuous sound-pressure level determined with a specified integration time. A-weighted and C-weighted values are calculated from octave-band measurements.

SIST EN ISO 21388-2:2024

2024-07 (po) (en;fr;de) **20 str. (E)**

Akustika - Vodenje ustreznosti slušnih pripomočkov - 2. del: Tele-storitve kot del vodenja ustreznosti slušnih pripomočkov (tHAFM) (ISO 21388-2:2024)

Acoustics - Hearing Aid Fitting Management - Part 2: Tele-services as part of hearing aid fitting management (tHAFM) (ISO 21388-2:2024)

Osnova: EN ISO 21388-2:2024

ICS: 17.140.01, 11.180.15, 11.020.10

This document is a supplement to ISO 21388 which applies to hearing aid fitting management (HAFM) services offered by hearing aid professionals (HAP). It focusses on tele-services which may substitute, or complement services defined in ISO 21388, and it defines services which shall be provided in the facilities of the HAP. Moreover, this document specifies important preconditions such as education, facilities and systems that are required to ensure proper tele-services. If not other stated all definitions and requirements of ISO 21388 also apply for this standard without further notice. Furthermore, it is tried to keep the structure of ISO 21388 to make it easier to use both standards together. It is recognized that certain populations with hearing loss such as children, persons with other disabilities or persons with implantable devices can require services outside the scope of this document.

Other assisted tele-services provided by non-hearing aid professionals, self-fitting, and other nonhearing care related will also be outside of the scope.

SIST EN ISO 7029:2017/A1:2024

2024-07 (po) (en;fr;de) **9 str. (C)**

Akustika - Statistična porazdelitev praga slišnosti v odvisnosti od starosti in spola - Dopolnilo A1: Popravek vrednosti parametrov za ocenjevanje porazdelitve praga slišnosti (ISO 7029:2017/Amd 1:2024)

Acoustics - Statistical distribution of hearing thresholds related to age and gender - Amendment 1: Correction of parameter values for estimating the hearing threshold distribution (ISO 7029:2017/Amd 1:2024)

Osnova: EN ISO 7029:2017/A1:2024

ICS: 17.140.99, 13.140

Amandma A1:2024 je dodatek k standardu SIST EN ISO 7029:2017.

This document provides descriptive statistics of the hearing threshold deviation for populations of otologically normal persons of various ages under monaural earphone listening conditions. It specifies the following, for populations within the age limits from 18 years to 80 years for the range of audiometric frequencies from 125 Hz to 8 000 Hz:

- a) the expected median value of hearing thresholds given relative to the median hearing threshold at the age of 18 years;
- b) the expected statistical distribution above and below the median value.

For the frequencies from 3 000 Hz to 8 000 Hz, the median and statistical distribution for populations above 70 years are presented for information only.

This document also provides for information the expected median values at audiometric frequencies from 9 000 Hz to 12 500 Hz within the age limits from 22 years to 80 years.

The data are applicable for estimating the amount of hearing loss caused by a specific agent in a population. Such a comparison is valid if the population under study consists of persons who are otologically normal except for the effect of the specific agent. Noise exposure is an example of a specific agent and for this application, selected data from this document are referred to as "database A" in ISO 1999.

NOTE 1 ISO 1999:2013, Database A is based on a previous edition of ISO 7029.

The data may also be used to assess an individual's hearing in relation to the distribution of hearing thresholds which is normal for the person's age group. However, it is not possible to determine for an individual precisely which part of an observed hearing loss is attributable to an accumulation of detrimental effects on the hearing which increase with age, and which part has been caused by other factors such as noise.

The hearing threshold deviation as defined herein and the hearing threshold level as defined in other International Standards (ISO 389-1, ISO 389-2, ISO 389-5, ISO 389-8, ISO 8253-1, ISO 8253-2, IEC 60645-1) express the hearing threshold of an individual or an individual ear, respectively, relative to – the expected median hearing threshold of 18-year-old age group of the same gender, or – a reference zero level specified in various parts of ISO 389.

To the extent that the reference zero level represents the median of the 18-year-old population, the values of the two terms will be the same.

NOTE 2 The values of these two are not always the same for some reasons. One reason is that the reference zero level has been determined based on the hearing threshold levels of persons older than 18 years, including those aged up to 25 years or to 30 years, who have slightly worse hearing sensitivity on average.

NOTE 3 ISO 28961 specifies the expected statistical distribution of hearing thresholds, expressed in sound pressure level in decibels, for populations of otologically normal persons of the age from 18 years to 25 years under binaural, free-field listening conditions. It enables the calculation not only at audiometric frequencies, but also for other frequencies at one-third-octave intervals from 20 Hz to 16 000 Hz.

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

SIST EN IEC 60268-24:2024

2024-07 (po) (en;fr;de) 28 str. (G)

Oprema zvokovnega sistema - 24. del: Naglavne in ušesne slušalke - Karakteristike aktivnega odpravljanja šumov (IEC 60268-24:2023)

Sound system equipment - Part 24: Headphones and earphones - Active acoustic noise cancelling characteristics (IEC 60268-24:2023)

Osnova: EN IEC 60268-24:2024

ICS: 33.160.50

IEC 60268-24:2023 is applicable to active acoustic noise-cancelling headphones and earphones which have the function of reducing the noise heard by the user by the output sound from the transducer generated by the environment noise detection microphone and the noise reduction signal processing circuit.

This document specifies the terms and definitions of this type of headphones or earphones, the characteristics to be specified, and the measurement and evaluation methods.

The noise detection microphone or microphones are mounted in the body, on the surface, or on an accessory of the headphones or earphones. Signal processing circuits are analogue and digital electronic circuits.

This document does not deal with equipment intended for hearing protection.

The noise cancelling characteristic measurement methods can be applied to headphones and earphones having no active noise cancelling function.

SIST/TC BBB Beton, armirani beton in prednapeti beton

SIST EN 15167-2:2024

SIST EN 15167-2:2006

2024-07

(po)

(en;fr;de)

17 str. (E)

Grobozrnata plavžna žlindra za uporabo v betonu, malti in injekcijski malti - 2. del: Ocenjevanje in preverjanje nespremenljivih lastnosti snovi

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

Osnova: EN 15167-2:2024

ICS: 91.100.15

This document specifies the scheme for the assessment and verification of constancy of performance (AVCP) of ground granulated blast furnace slag, including certification of constancy of performance.

The document provides technical rules for the factory production control, further testing of samples taken at the manufacturing plant (autocontrol testing) and the assessment of the performance of the ground granulated blast furnace slag, initial inspection of the manufacturing plant and of the factory production control and audit-testing of samples. It also provides rules for actions to be followed in the event of non-conformity and the requirement for depots.

This document is linked with the Annex ZA of the European Standard covering ground granulated blast furnace slag, i.e. EN 15167-1:2006.

SIST/TC BIM Informacijsko modeliranje gradenj

SIST EN ISO 22014:2024

2024-07

(po)

(en;fr;de)

47 str. (I)

Knjižnični objekti za arhitekturo, inženiring, gradbeništvo in uporabo (ISO 22014:2024)

Library objects for architecture, engineering, construction, and use (ISO 22014:2024)

Osnova: EN ISO 22014:2024

ICS: 91.010.01, 35.240.67, 03.100.30

This document specifies requirements for defining structure and content for library objects to support project inception, brief, design, tendering, construction, operations, use and demolition, supporting the development of information throughout the process, in connection with building information modelling (BIM) and the organization of the objects into libraries.

This document does the following:

- Establishes requirements for defining template objects, generic objects and product objects in datadriven library and design processes.

- Establishes requirements for graphical symbols and other graphic conventions for use on drawings for the built environment, giving principles and definitions for the symbolic and simplified visual presentation of objects. It also describes a rationale of symbolism which establishes rules for the design of graphical symbols and other graphic conventions and gives recommendations for the application of those rules and the ways in which symbolism should be used.

- Defines the purposes of characterizing the shape and measurement of library objects.

- Defines the purposes of specifying and assessing properties for library objects. It defines the information appropriate for specific uses, including specification of the desired outcome (typically by designers and engineers) and the selection of identified products (typically by contractors and subcontractors). It also gives recommendations for the application of assemblies in integrated BIM working.

- Refers to the Industry Foundation Classes (IFC) schema as a common object model.

This document is applicable to all professionals and service providers who produce and use library objects with generic and product-specific information. This group includes, but is not limited to, product manufacturers and suppliers, library authors, designers and engineers, contractors, owners, maintainers and commissioners.

SIST-TP CWA 18046:2024

2024-07 (po) (en;fr;de) **24 str. (F)**

Oznake položaja za digitalne aplikacije na gradbiščih, strukturni nadzor in BIM-aplikacije
Position markers for digital applications on construction sites, structural monitoring and BIM-applications

Osnova: CWA 18046:2023

ICS: 91.010.01, 35.240.67

This document is applicable to construction processes where the usual surveyor's control points are to be used not only for geometry control, but other applications such as laser scanning, localization of autonomous vehicles, photogrammetry, or VR/AR applications.

It provides a framework for making accurate survey point information available to digital applications and other trades. This includes the layout of markers, a naming convention for markers and a common digital interface for the read-out-data of markers.

The document builds on existing standards and conventions and collates them where applicable.

The document is intended to be used on construction sites and in existing buildings by planners (architects, civil engineers,...), surveyors, construction companies, software providers, UXV operators, BIM stakeholders, and on site machines/devices/systems.

The survey point information may be utilised not only during the construction but also during maintenance throughout the life of the facility.

SIST/TC CAA Mineralna veziva in zidarstvo

SIST EN 13282-3:2024

SIST EN 13282-3:2015

2024-07 (po) (en;fr;de) **13 str. (D)**

Hidravlična veziva za ceste - 3. del: Ocenjevanje in preverjanje nespremenljivosti lastnosti
Hydraulic road binders - Part 3: Assessment and verification of constancy of performance

Osnova: EN 13282-3:2024

ICS: 91.100.50, 93.080.20

This document specifies the scheme for the assessment and verification of constancy of performance (AVCP) of hydraulic road binders, including certification of conformity of the factory production control. This document provides technical rules for factory production control, further testing of samples taken at the manufacturing plant (autocontrol testing), assessment of the performance of the hydraulic road binder, initial inspection of the manufacturing plant and of factory production control and continuing surveillance, assessment and evaluation of factory production control.

This document is intended to be linked with the Annexes ZA of the European Standards covering hydraulic road binders, i.e. EN 13282-1 and EN 13282-2.

NOTE The reason for having drafted this separate document is that the provisions it includes are applicable to different products covered by different European Standards.

SIST/TC DPL Oskrba s plinom

SIST EN 12261:2024

SIST EN 12261:2018

2024-07 (po) (en;fr;de) **75 str. (L)**

Plinomeri - Turbinski plinomeri
Gas meters - Turbine gas meters

Osnova: EN 12261:2024

ICS: 91.140.40

This document specifies the measuring conditions, requirements and tests for the construction, performance and safety of class 1,0 axial and radial turbine gas meters with mechanical indicating devices, herein after referred to as a meter(s), having in-line pipe connections for gas flow measurement.

This document applies to turbine gas meters used to measure the volume of fuel gases of the 1st and 2nd gas families, the composition of which is specified in EN 437, at maximum working pressures up to 420 bar, actual flow rates up to 25 000 m³/h over a gas temperature range of at least 40 K and for a climatic environmental temperature range of at least 50 K.

This document applies to meters that are installed in locations with vibration and shocks of low significance and in

- closed locations (indoor or outdoor with protection as specified by the manufacturer) with condensing or with non-condensing humidity or, if specified by the manufacturer,
 - open locations (outdoor without any covering) with condensing humidity or with non-condensing humidity
- and in locations with electromagnetic disturbances.

Unless otherwise specified in this document:

- all pressures used are gauge;
- all influence quantities, except the one under test, are kept relatively constant at their reference value.

SIST EN 1594:2024

SIST EN 1594:2013

2024-07

(po)

(en;fr;de)

69 str. (K)

Infrastruktura za plin - Cevovodni sistemi za najvišji delovni tlak nad 16 bar - Funkcionalne zahteve
Gas infrastructure - Pipelines for maximum operating pressure over 16 bar - Functional requirements

Osnova: EN 1594:2024

ICS: 91.140.40

This EU standard is applicable for transporting gas via onshore high pressure steel pipeline infrastructures where:

- onshore: from the point where the pipeline first crosses what is normally accepted as battery limit between onshore and offshore and not located within commercial or industrial premises as an integral part of the industrial process on these premises except for any pipelines and facilities supplying such premises. This European Standard also applies to a pipeline system with a starting point onshore, also when parts of the pipeline system on the mainland subsequently cross fjords, lakes etc.
- high pressure: gas with a maximum operating pressure over 16 bar and a design temperature between -40 °C and 120 °C
- steel pipeline infrastructure: a steel pipeline infrastructure consists of pipeline components such as pipes, valves, couplings and other equipment. Pipeline components in scope are restricted to components made of unalloyed or low alloyed carbon steel and joined by welds, flanges or mechanical couplings.
- gas: non-toxic and non-corrosive natural gas, biomethane gas, hydrogen gas and mixtures of these gasses where technical evaluation has ensured that operating conditions or constituents or properties of the gas do not affect the safe operation of the pipeline.

Gas infrastructures covered by this European Standard begin after the gas producer's metering station. The functional demarcation of the pipeline system within a plant area will be determined from case to case. Generally speaking, this will be directly after the first isolating valve of the metering installation. This European Standard also describes the mechanical requirements for pipework in stations with a maximum operating pressure greater than 16 bar.

Welding requirements are described in EN 12732. Functional requirements for stations are given in EN 1776, EN 1918-5, EN 12186, and EN 12583. Requirements for safety management and pipeline integrity management are given in EN 17649.

This European Standard specifies common basic principles for gas infrastructures. Users of this European Standard should be aware that there may exist more detailed national standards and codes of practice in the CEN member countries.

This European Standard is intended to be applied in association with these national standards and/or codes of practice setting out the above mentioned principles.

This European Standard does not apply to existing pipelines, in use prior to the publication of this European Standard, nor to modifications to existing pipelines, except for the adaptation of the pipelines for the use of hydrogen and admixtures with hydrogen.

In the event of conflicts in terms of more restrictive requirements in the national legislation/regulation with the requirements of this European Standard, the national legislation/regulation takes precedence as illustrated in CEN/TR 13737 (all parts).

Reference is made in this European Standard to relevant European and other recognised standards for products used to construct and operate gas infrastructures.

SIST EN 17921:2024

2024-07 (po) (en;fr;de) **21 str. (F)**

Polnilne postaje za oskrbo z utekočinjenim zemeljskim plinom - Priključki za raztovarjanje

Natural gas fuelling stations - LNG unloading connector

Osnova: EN 17921:2024

ICS: 43.040.01, 75.200

This document provides the design for an LNG (un)loading connector between LNG road tanker and LNG fuelling stations. This document can be also used for LNG rail tenders. This document includes requirements for (at least):

- functional description of the LNG Unloading Receptacle and LNG Unloading Nozzle;
- technical layout description of the LNG Unloading Receptacle.

The technical layout description of the LNG Unloading Nozzle is not part of this document.

The basic functional requirement of the LNG unloading connector are as follows:

- to prevent leakage of methane during operation and in particular during disconnecting;
- easy handling, no spillage and purging with nitrogen during disconnecting.

The loading connector between the LNG road tanker and the LNG terminal is not covered by this document.

SIST EN 17922:2024

2024-07 (po) (en;fr;de) **12 str. (C)**

Polnilne postaje za oskrbo z utekočinjenim zemeljskim plinom - Sistem za zaustavitev raztovarjanja v sili

Natural gas fuelling stations - LNG unloading stop system

Osnova: EN 17922:2024

ICS: 43.040.01, 75.200

This document specifies the minimum requirements for the unloading stop system of the unloading of LNG from an LNG road tanker to the LNG fuelling station. This document consists of two main topics:

- functional description of the unloading stop system;
- technical layout description of the unloading stop system.

SIST EN ISO 24252:2023/A11:2024

2024-07 (en;fr;de) **5 str. (B)**

Bioplin - Negospodinjnski sistemi brez uplinjanja - Dopnilo A11

Biogas systems - Non-household and non-gasification

Osnova: EN ISO 24252:2022/A11:2023

ICS: 27.190

Amandma A1:2024 je dodatek k standardu SIST EN ISO 24252:2023.

This document applies for systems for biogas production by anaerobic digestion, biogas conditioning, biogas upgrading and biogas utilization from a safety, environmental, performance and functionality perspective, during the design, manufacturing, installation, construction, testing, commissioning, acceptance, operation, regular inspection and maintenance phases.

The following topics are excluded from this document:

- boilers, burners, furnaces and lighting in case these are not specifically applied for locally produced biogas;
- gas fuelled engines for vehicles and ships;
- the public gas grid;
- specifications to determine biomethane quality;
- transportation of compressed or liquefied biogas;

- transportation of biomass or digestate;
 - assessment and determination whether biomass is sourced sustainably or not.
- An informative explanation of the scope is included in Annex A.

SIST EN ISO 2611-1:2024**2024-07 (po) (en;fr;de) 22 str. (F)**

Analiza zemeljskega plina - Biometan - Določanje halogenov v biometanu - 1. del: Določanje HCl in HF z ionsko kromatografijo (ISO 2611-1:2024)

Analysis of natural gas - Halogen content of biomethane - Part 1: HCl and HF content by ion chromatography (ISO 2611-1:2024)

Osnova: EN ISO 2611-1:2024

ICS: 75.060

This document specifies a method for the determination of the concentration hydrochloric acid and hydrofluoric acid in biomethane, after absorption on an alkali-impregnated quartz fiber filter or in a sorbent trap, by ion chromatography (IC) with conductimetric detection.

The method is applicable to biomethane in levels:

- for HCl: 0,07 mg/m³ to 34,3 mg/m³;

- for HF: 0,07 mg/m³ to 17,5 mg/m³.

SIST EN ISO 2615:2024**2024-07 (po) (en;fr;de) 21 str. (F)**

Analiza zemeljskega plina - Biometan - Določanje vsebnosti kompresorskega olja (ISO 2615:2024)

Analysis of natural gas - Biomethane - Determination of the content of compressor oil (ISO 2615:2024)

Osnova: EN ISO 2615:2024

ICS: 71.040.50, 75.060

This document gives general guidance for the sampling and gas chromatographic analysis of oil carryover in biomethane or compressed natural gas (CNG). The oil carryover is determined by sampling on coalescing filters under defined operational conditions (the two first normal cubic meters delivered at a refueling station). The oil carryover is expressed as concentration and the range of this method is 3 mg/kg – 30 mg/kg.

SIST EN ISO 2620:2024**2024-07 (po) (en;fr;de) 16 str. (D)**

Analiza zemeljskega plina - Biometan - Določanje hlapnih ogljikovodikov (VOC) s plinsko kromatografijo s termično desorpcijo in s plamensko ionizacijskim in/ali masno selektivnim detektorjem (TD-GC-FID/MS) (ISO 2620:2024)

Analysis of natural gas - Biomethane - Determination of VOCs by thermal desorption gas chromatography with flame ionization and/or mass spectrometry detectors (ISO 2620:2024)

Osnova: EN ISO 2620:2024

ICS: 71.040.50, 75.060

This document describes a method for sampling and analysis of volatile organic compounds (VOCs), including siloxanes, terpenes, organic sulfur compounds, in natural gas and biomethane matrices, using thermal desorption gas chromatography with flame ionization and/or mass spectrometry detectors (TD-GC-FID/MS).

SIST/TC DPN Delo pod napetostjo**SIST EN 50528:2024**

SIST EN 50528:2010

2024-07 (po) (en) 68 str. (K)

Izolirne lestve za uporabo na nizkonapetostnih električnih inštalacijah ali v njihovi bližini

Insulating ladders for use on or near low voltage electrical installations

Osnova: EN 50528:2024

ICS: 97.145, 13.260

This document is applicable to portable ladders made only of non-conductive stiles, including accessories (pole leaning device, adjustable levelling device, adjustable ladder stabilizer, etc.) used to work on or near electrical systems and installations in the low voltage range (up to 1 000 V AC/1 500 V DC.).

These ladders are used, to provide temporary access, generally on overhead line structures and to undertake electrical operations. They are intended to be used by one person only.

These ladders, in conjunction with other protective equipment provide sufficient insulation level to protect against inadvertent contact with live low voltage installations.

This document does not cover ladders used for live working on electrical installations at voltages above 1 000 V AC and above 1 500 V DC. These insulating ladders are separately covered by EN 61478.

This document does not cover products not made entirely with non-conductive stiles generally called mixed ladders. In this case EN 131 series apply.

This document does not cover step stools which are covered by EN 14183.

These ladders are only for professional use. Only skill persons, after an appropriate training can use this type of ladder for professional applications.

The products designed and manufactured according to this document contribute to the safety of the users provided they are used by skilled persons, in accordance with safe methods of work and the instructions for use (where appropriate).

SIST/TC DTN Dvigalne in transportne naprave

SIST EN 13557:2024

2024-07 (po) (en;fr;de) 21 str. (F)

Žerjavi - Krmilja in krmilna mesta

Cranes - Controls and control stations

Osnova: EN 13557:2024

ICS: 53.020.20

This document specifies health and safety design requirements for control devices and control stations for all types of cranes.

Specific requirements for particular types of crane are given in the appropriate European standard for the particular crane type.

Control systems are covered by other standards, e.g. EN 60204-32:2008 and EN 13135:2013+A1:2018.

This document does not deal with noise hazards because these are dealt with in safety standards for specific types of cranes. It also does not address the design of the cabin with regard to its sound insulation properties.

This document covers specific hazards, which could occur during the use of control devices and control stations. It does not cover hazards, which could occur during transport, construction, modification, de-commissioning or disposal. The hazards covered by this standard are identified in Clause 4.

This document is applicable after the date of approval by CEN of this standard.

SIST EN 1570-1:2024

2024-07 (po) (fr;de) 85 str. (M)

Varnostne zahteve za dvizhne mize - 1. del: Dvizhne mize za dvigovanje do dveh nivojev

Safety requirements for lifting tables - Part 1: Lifting tables serving up to two fixed landings

Osnova: EN 1570-1:2024

ICS: 53.020.99

1.1 This document specifies the safety requirements for lifting tables with the following properties:

- serving no more than 2 fixed landings but are able to pass a fixed landing and,
- having a vertical travel speed of no more than 0,15 m/s, unless safe by position and,
- for raising or lowering goods (with or without operator(s) and/or authorised person(s)), or;

- for raising or lowering operator(s) and/or authorised person(s) with or without goods, to positions where they can carry out work from a fixed or movable lifting table that is guided throughout its vertical travel only.

1.2 This document deals with all significant hazards pertinent, with the exception of noise, to lifting tables when used as intended and under the conditions foreseen by the manufacturer (see List of Hazards, Annex B). This document specifies the appropriate technical measures for eliminating and reducing the risks arising from the significant hazards.

1.3 This document does not apply to the following equipment:

- lifting tables with a vertical travel speed exceeding 0,15 m/s, unless safe by position;
- lifting tables, serving more than 2 fixed landings of a construction, for lifting goods, with a vertical travel speed not exceeding 0,15 m/s (EN 1570-2);
- lifting tables, serving more than 2 fixed landings of a construction, for lifting operators, with a vertical travel speed not exceeding 0,15 m/s;
- lifting tables carrying operators and installed in full enclosures with a vertical travel speed not exceeding 0,15 m/s;
- lifting tables used on ships;
- lifting tables designed for artists and stage set features during artistic performances;
- power operated lifting platforms for persons with impaired mobility (EN 81-41);
- mobile lifting tables for airport ground support equipment (EN 1915-2 and EN 12312-1);
- lifting tables which are designed as part of a lift according to Directive (95/16/EC);
- mobile elevating work platforms (EN 280);
- static Group B elevating work platforms (EN 280);
- vehicle servicing lifts (EN 1493);
- mobile lifting tables used for firefighting (EN 1777);
- mobile lifting tables with a horizontal travelling speed of more than 1,6 m/s;
- rail dependent storage and retrieval equipment (EN 528);
- scissor lift pallet trucks (EN ISO 3691-5);
- lifting tables suspended from a ceiling.

1.4 This document does not consider the additional requirements for:

- electromagnetic compatibility;
- operation in severe conditions (e.g. extreme climates, freezer applications, strong magnetic fields);
- operation subject to special rules (e.g. potentially explosive atmospheres, mines);
- handling of loads, the nature of which could lead to dangerous situations (e.g. molten metal, acids, radiating materials, particularly brittle loads, loose loads (gravel, tubes));
- hazards occurring during construction, transportation and disposal;
- equipment installed on the load platform or the replacing or maintaining of it;
- integration into broader systems or other machines, etc.;
- cable-less controls;
- lifting tables where the hydraulic pressure is derived directly from gas pressure;
- lifting tables powered by internal combustion engines.

SIST EN 1755:2024

2024-07 (po) (en;fr;de) 54 str. (J)

Vozila za talni transport - Varnostne zahteve in preverjanje - Dodatne zahteve za delovanje v potencialno eksplozivnih atmosferah

Industrial trucks - Safety requirements and verification - Supplementary requirements for operation in potentially explosive atmospheres

Osnova: EN 1755:2024

ICS: 13.230, 53.060

This document is applicable to self-propelled and pedestrian propelled manual and semi-manual industrial trucks as defined in ISO 5053-1:2020 including their load handling devices and attachments (hereafter referred to as trucks) intended for use in potentially explosive atmospheres.

NOTE 1 Attachments mounted on the load carrier or on fork arms which are removable by the user are not considered to be a part of the truck.

This document specifies supplementary technical requirements for the prevention of the ignition of an explosive atmosphere of flammable gases, vapours, mists or dusts by industrial trucks of equipment group II and equipment category 2G, 3G, 2D or 3D.

NOTE 2 The relationship between an equipment category (hereafter referred to as category) and the corresponding zone (area classification) is shown in informative Annex B.

This document does not apply to:

- trucks of equipment group I;
- trucks of equipment group II, equipment category 1;
- trucks intended for use in potentially explosive atmospheres with hybrid mixtures;
- protective systems.

This document does not apply to trucks intended for use in potentially explosive atmospheres of carbon disulfide (CS₂), carbon monoxide (CO) and/or ethylene oxide (C₂H₄O) due to the special properties of these gases.

Technical requirements relating to lithium-ion batteries and fuel cells as energy sources are not given in this document due to their specific hazards.

SIST-TS CEN/TS 17471:2024

2024-07 (po) (en;fr;de) **9 str. (C)**

Žerjavi - Nakladalni žerjavi - Vmesnik med nakladalnimi žerjavi in delovnimi ploščadmi

Cranes - Loader cranes - Interface between loader cranes and work platforms

Osnova: CEN/TS 17471:2024

ICS: 53.020.20

This document specifies technical requirements for the interface of the basic machinery within the scope of EN 12999 equipped to allow the use of an assigned type of work platform as interchangeable equipment where the combination of the basic machinery and the work platform as interchangeable equipment is within the scope of EN 280 1.

The basic machinery covered by this document is designed to be installed on a road vehicle with load carrying capability. The combination of the basic machinery and the work platform as interchangeable equipment covered by this document belongs to Group B Type 1 class as in the scope of EN 280 1.

The basic machinery covered by this document allows two modes of operation:

- the 'CRANE' mode of operation, for the use of the basic machinery as a loader crane within the scope of EN 12999;
- the 'MEWP' mode of operation, for the use of the work platform with the basic machinery as within the scope of EN 280 1.

This document covers hazards related to switching between 'CRANE' and 'MEWP' mode as described above and covers the specific hazards related with the combination and the assembly of the work platform as interchangeable equipment with the basic machinery (see Annex A).

This document does not address hazards which may occur:

- a) when using work platform not assembled with the lifting machinery but simply lifted by the machinery (e.g. suspended from the hook of the crane);
- b) when using attachments not intended for the lifting of persons.

SIST/TC EAL Električni alarmi

SIST EN 50726-1:2024

2024-07 (po) (en) **52 str. (J)**

Sistemi za izredne razmere in nevarnosti – 1. del: Sistemi za odzivanje na izredne razmere in nevarnosti (EDRS) – Osnovne zahteve, dolžnosti, odgovornosti in dejavnosti

Emergency and danger systems - Part 1: Emergency and danger response systems (EDRS) - Basic requirements, duties, responsibilities and activities

Osnova: EN 50726-1:2024

ICS: 13.320

This document applies to the planning, installation, commissioning, operation and maintenance of an emergency and danger response system. An emergency and danger response system is part of an overall solution for dealing with specific events such as emergencies or crises.

This document

- specifies:
- technical processes and responsibilities for supporting all procedures from the registration of an event (emergency, danger) up to its final processing;
- the technical risk management including the definition of safety/security goals and the workflow organization as well as the necessary specifications regarding a technical risk management file;
- associated duties, responsibilities and activities as parts of an integrated overall risk management process to achieve the safety and security goals, effectiveness and efficiency as well as data and system safety/security;
- three different grades of safety/security, with the respective product functionalities required to achieve them;
- the basic requirements for emergency and danger response systems (EDRS) in public buildings such as education facilities (e.g. schools, universities), government facilities, kindergartens and similar facilities;
- the responsibilities under applicable national law about Safety and Health at Work Laws and thus particularly addresses the responsibility of employers;
- describes:
- the process of establishing, maintaining and updating a risk management file in which, inter alia, the technical risks are listed and evaluated and the residual technical risks are defined, resulting in the grade and structure of the EDRS;
- is intended to support the implementation of:
- National legal and other provisions (e.g. Act on Equal Opportunities for People with Disabilities, Safety and Health at Work Laws, education laws);
- gives relevant guidance on:
- the organizational risk management;
- does not replace the specifications of standards to the following systems:
- fire safety systems including, but not limited to, fire detection and fire alarm systems, fixed firefighting systems, smoke and heat control systems,
- security systems including, but not limited to, intrusion and hold-up alarm systems, electronic access control systems, external perimeter security systems and video surveillance systems,
- applicable national standards on call systems.

All such systems can, however, be integrated into an emergency and danger response system (EDRS), taking into account the relevant provisions made in the respective standards for such products and systems.

Other products and systems from the entire field of standardization, such as alarm systems, danger warning and danger alarm systems, escape routing systems, public address systems used to respond to a danger, can also be used in or integrated into an emergency and danger response system if the relevant requirements of the standards for such products or systems are met.

This document does not specify any risk levels, in particular no acceptable residual risks. Technical risk management and organizational risk management are equal parts of the overall risk management.

This document is also applicable to non-public buildings with a similar risk and requirement for protection.

SIST/TC EMC Elektromagnetna združljivost

SIST EN 61000-3-12:2012/A1:2024

2024-07

(po)

(en)

10 str. (C)

Fragment 1: Elektromagnetna združljivost (EMC) – 3-12. del: Mejne vrednosti – Mejne vrednosti za harmonske tokove, ki jih povzročata oprema, priključena na nizkonapetostne napajalne sisteme z naznačenim tokom, večjim od 16 A in enakim ali manjšim od 75 A na fazo

Fragment 1: Electromagnetic compatibility (EMC) - Part 3-12: Limits - Limits for harmonic currents produced by equipment connected to public low-voltage systems with input current >16 A and ≤ 75 A per phase

Osnova: EN 61000-3-12:2011/A1:2024

ICS: 33.100.01

Amandma A1:2024 je dodatek k standardu SIST EN 61000-3-12:2012.

This part of IEC 61000 deals with the limitation of harmonic currents injected into the public supply system. The limits given in this International Standard are applicable to electrical and electronic equipment with a rated input current exceeding 16 A and up to and including 75 A per phase, intended to be connected to public low-voltage a.c. distribution systems of the following types:

- nominal voltage up to 240 V, single-phase, two or three wires;
- nominal voltage up to 690 V, three-phase, three or four wires;
- nominal frequency 50 Hz or 60 Hz.

Other distribution systems are excluded. The limits given in this edition apply to equipment when connected to 230/400 V, 50 Hz systems. See also Clause 5.

NOTE 1 The limits for the other systems will be added in a future edition of this standard.

NOTE 2 Equipment with a rated input current exceeding 75 A per phase should be considered in the harmonic current requirements for installations. See IEC/TR 61000-3-6 and future IEC/TR 61000-3-14. This standard applies to equipment intended to be connected to low-voltage systems interfacing with the public supply at the low-voltage level. It does not apply to equipment intended to be connected only to private low-voltage systems interfacing with the public supply only at the medium- or high-voltage level.

NOTE 3 The scope of this standard is limited to equipment connected to public low voltage systems because emissions from equipment installed in private low voltage systems can be controlled in aggregate at the MV point of common coupling using procedures defined in IEC/TR 61000-3-6 and/or by means of contractual agreements between the distribution network operator and the customer. It is expected that operators of private systems will manage the EMC environment in a manner that ensures compliance with the provisions given in IEC/TR 61000-3-6 and/or the contractual agreements.

NOTE 4 If the equipment is intended to be connected only to private systems, the manufacturer should make this very clear in the product documentation.

NOTE 5 Professional equipment with input current ≤16 A per phase and that does not comply with the requirements and limits of standard IEC 61000-3-2 may be permitted to be connected to certain types of low voltage supplies, in the same way as equipment with input current >16 A per phase and that does not comply with the requirements and limits of the present standard (see Annex C).

NOTE 6 The limits in this standard are not applicable to stand-alone harmonic filters.

This standard defines:

- a) requirements and emission limits for equipment;
- b) methods for type tests and simulations.

Tests according to this International Standard are type tests of complete pieces of equipment. Conformity with this standard can also be determined by validated simulations.

SIST/TC EPO Embalaža - prodajna in ovojna

SIST EN ISO 7965-1:2024

SIST EN 27965-1:1997

2024-07 (po) (en;fr;de)

16 str. (D)

Embalaža - Preskus s prostim padom - 1. del: Papirnate vreče (ISO 7965-1:2024)
Packaging - Drop test - Part 1: Paper sacks (ISO 7965-1:2024)

Osnova: EN ISO 7965-1:2024

ICS: 55.080

This document specifies a method of vertical impact testing on a filled paper sack by dropping. It is performed either as a single test to investigate the effects of vertical impact or as part of a sequence of tests designed to measure the ability of a sack to withstand a distribution system that includes a vertical impact hazard.

This document specifies the testing procedure and how the results of tests are presented. It is based on ISO 2248 but is specifically related to paper sacks.

SIST/TC GIG Geografske informacije

SIST EN ISO 19144-2:2024

2024-07 (po) (en;fr;de)

159 str. (P)

Geografske informacije - Klasifikacijski sistemi - 2. del: Metajezik za pokrovnost (LCML) (ISO 19144-2:2023)

Geographic information - Classification systems - Part 2: Land Cover Meta Language (LCML) (ISO 19144-2:2023)

Osnova: EN ISO 19144-2:2023

ICS: 07.040, 35.240.70

This document specifies a Land Cover Meta Language (LCML) expressed as a UML metamodel that allows different Land Cover classification systems to be described based on physiognomic aspects. This document recognizes that a number of Land Cover classification systems exist. It provides a common reference structure for the comparison and integration of data for any generic Land Cover classification system, but does not intend to replace those classification systems.

SIST EN ISO 19152-1:2024

SIST EN ISO 19152:2013

2024-07 (po) (en;fr;de)

38 str. (H)

Geografske informacije - Model domene za zemljiško administracijo (LADM) - 1. del: Generični konceptualni način (ISO 19152-1:2024)

Geographic information - Land Administration Domain Model (LADM) - Part 1: Generic Conceptual Model (ISO 19152-1:2024)

Osnova: EN ISO 19152-1:2024

ICS: 07.040, 35.240.70

This document:

- defines a reference Land Administration Domain Model (LADM) covering basic information-related components of land administration/georegulation;
- provides an abstract, conceptual model with packages related to:
 - parties (people and organizations),
 - basic administrative units, rights, responsibilities and restrictions (RRRs),
 - spatial units,
 - a generic conceptual model (sources and versioned object);
- provides terminology for land administration/georegulation, based on various national and international systems, that is as simple as possible in order to be useful in practice. The terminology allows a shared description of different formal or informal practices and procedures in various jurisdictions;
- provides a content model independent of encoding, allowing for the support of various encodings;
- provides a basis for national and regional profiles;

- enables the combining of land administration/georegulation information from different sources in a coherent manner.

The following are outside the scope of this document:

- interference with (national) land administration/georegulation laws with potentially legal implications due to the possibility of describing different types of systems but in the same notation;
- construction of external databases with party data, address data, land cover data, physical utility network data, archive data and taxation data. However, the LADM provides stereotype classes for these data sets to indicate which data set elements the LADM expects from these external sources, if available.

This document provides the concepts and basic structure for standardization in the land administration/georegulation domain. It defines a general schema that permits regulatory information to be described. It also allows for the relationship to multiple parties and groups to be expressed together with a referencing structure so that sourcing of all information systems can be maintained. This document establishes the common elements and basic schema upon which more detailed schema can be established.

SIST/TC IEMO Električna oprema v medicinski praksi

SIST EN IEC 61223-3-8:2024

2024-07 (po) (en) 100 str. (M)

Vrednotenje in rutinsko preskušanje v medicinskih oddelkih za slikanje - 3-8. del: Preskusi sprejemljivosti in konstantnosti - Slikovni učinek rentgenske opreme za radiografijo in radioskopijo (IEC 61223-3-8:2024)

Evaluation and routine testing in medical imaging departments - Part 3-8: Acceptance and constancy tests - Imaging performance of X-ray equipment for radiography and radioscopy (IEC 61223-3-8:2024)

Osnova: EN IEC 61223-3-8:2024

ICS: 11.040.50

IEC 61223-3-8:2024 applies to evaluation of the imaging performance and related quality control parameters of X-ray equipment for radiography and radioscopy that conform to IEC 60601-2-54:2022 or IEC 60601-2-43:2022.

This document applies to the evaluation of the imaging performance of the entire imaging chain from image acquisition, image processing and image display.

This document applies to acceptance tests and constancy tests, which are part of the quality assurance program in medical imaging departments and are intended to be performed by or under the responsibility of the responsible organization. A detailed discussion of the position of these tests within the medical radiological equipment lifecycle is provided in Clause A.2. The methods included rely mainly on non-invasive measurements that use appropriate test equipment and are performed after the installation is completed in accordance with the manufacturer's installation instructions.

IEC 60601-2-54:2022 and IEC 60601-2-43:2022 require information to be provided to the responsible organization with respect to quality control. This document provides guidance to manufacturers regarding the acceptance and constancy tests for the X-ray equipment in a manufacturer supplied quality control manual. Annex G provides guidance for such a manual.

SIST/TC IESV Električne svetilke

SIST EN 62386-302:2018/A1:2024

2024-07 (po) (en) 10 str. (C)

Digitalni naslovljivi vmesnik za razsvetljavo - 302. del: Posebne zahteve - Vhodne naprave - Absolutne vhodne naprave - Dopolnilo A1 (IEC 62386-302:2017/AMD1:2024)

Digital addressable lighting interface - Part 302: Particular requirements - Input devices - Absolute input devices (IEC 62386-302:2017/AMD1:2024)

Osnova: EN 62386-302:2017/A1:2024

ICS: 35.200, 29.140.50

Amandma A1:2024 je dodatek k standardu SIST EN 62386-302:2018.

This part of IEC 62386 specifies a bus system for control by digital signals of electronic lighting equipment which is in line with the requirements of IEC 61347, with the addition of DC supplies.

This document is only applicable to IEC 62386-103:2014 and IEC 62386103:2014/AMD1:

– input devices that make the lighting control system sensitive to absolute input devices such as switches or sliders. An absolute input device always has a deterministic state, such as a position between start and end point.

NOTE Requirements for testing individual products during production are not included.

SIST EN 62386-303:2018/A1:2024

2024-07 (po) (en) 17 str. (E)

Digitalni naslovljivi vmesnik za razsvetljavo - 303. del: Posebne zahteve - Vhodne naprave - Tipalo zasedenosti - Dopolnilo A1 (IEC 62386-303:2017/AMD1:2024)

Digital addressable lighting interface - Part 303: Particular requirements - Input devices - Occupancy sensor (IEC 62386-303:2017/AMD1:2024)

Osnova: EN 62386-303:2017/A1:2024

ICS: 35.200, 29.140.50

Amandma A1:2024 je dodatek k standardu SIST EN 62386-303:2018.

This part of IEC 62386 specifies a bus system for control by digital signals of electronic lighting equipment which is in line with the requirements of IEC 61347, with the addition of DC supplies.

This document is only applicable to IEC 62386-103:2014 and IEC 62386-103:2014/AMD1:—input devices that deliver occupancy information to the lighting control system through movement or presence sensing.

NOTE Requirements for testing individual products during production are not included.

SIST EN 62386-304:2018/A1:2024

2024-07 (po) (en) 12 str. (C)

Digitalni naslovljivi vmesnik za razsvetljavo - 304. del: Posebne zahteve - Vhodne naprave - Svetlobna tipala - Dopolnilo A1 (IEC 62386-304:2017/AMD1:2024)

Digital addressable lighting interface - Part 304: Particular requirements - Input devices - Light sensor (IEC 62386-304:2017/AMD1:2024)

Osnova: EN 62386-304:2017/A1:2024

ICS: 35.200, 29.140.50

Amandma A1:2024 je dodatek k standardu SIST EN 62386-304:2018.

This part of IEC 62386 specifies a bus system for control by digital signals of electronic lighting equipment which is in line with the requirements of IEC 61347, with the addition of DC supplies.

This document is only applicable to IEC 62386-103:2014 and IEC 62386103:

2014/AMD1:—input devices that deliver illuminance level information to the lighting control system through light level sensing.

NOTE Requirements for testing individual products during production are not included.

SIST EN IEC 60598-2-2:2024

2024-07 (po) (en) 19 str. (E)

Svetilke - 2-2. del: Posebne zahteve - Vgradne svetilke in vgradne prezračevalne svetilke (IEC 60598-2-2:2023)

Luminaires - Part 2-2: Particular requirements - Recessed luminaires and recessed air-handling luminaires (IEC 60598-2-2:2023)

Osnova: EN IEC 60598-2-2:2024

ICS: 29.140.40

This part of IEC 60598 specifies requirements for recessed luminaires incorporating electric light sources for operation from supply voltages up to 1 000 V. It also specifies requirements for recessed air-handling luminaires for use with a ventilation duct or ventilated space (plenum).

NOTE The expressions “ventilation” and “ventilated” in this section refer to forced ventilation.

SIST/TC IFEK Železne kovine

SIST EN 10051:2024

2024-07 (po) (en;fr;de) 20 str. (E)

Kontinuirno vroče valjane pločevine in trakovi iz legiranih in nelegiranih jekel brez prevleke - Tolerance mer in oblik

Continuously hot-rolled strip and plate/sheet cut from wide strip of non-alloy and alloy steels - Tolerances on dimensions and shape

Osnova: EN 10051:2024

ICS: 77.140.50

This document specifies tolerances on dimensions and shape for continuously hot-rolled uncoated plate/sheet and strip with a maximum width of 2 200 mm and a maximum thickness of 25 mm of non-alloy and alloy steels in accordance with Table 1 (see also Annex B). This document also applies to hot-rolled strip for cold rolling.

Table 1 - Field of application

[...table not represented...]

NOTE 1 This document does not apply to:

- hot-rolled strip rolled in widths $w < 600$ mm (see EN 10048);
- hot-rolled patterned steel strip and plate/sheet cut from wide strip (EN 10363);
- uncoated or electrolytically coated cold rolled sheet and strip (see EN 10131);
- hot-dip coated steel sheet and strip (EN 10143);
- stainless steels.

NOTE 2 This document can also be used for steels from other standards, e. g. steels for shipbuilding.

SIST/TC IIZS Izolacijski materiali in sistemi

SIST EN 61858-1:2014/AC:2024

2024-07 (po) (en) 1 str. (AC)

Sistemi električne izolacije - Toplotno vrednotenje sprememb preverjenega sistema električne izolacije (EIS) - 1. del: Žično navitje EIS - Popravek AC

Electrical insulation systems - Thermal evaluation of modifications to an established electrical insulation system (EIS) - Part 1: Wire-wound winding EIS

Osnova: EN 61858-1:2014/AC:2024-05

ICS: 29.080.30

Popravek k standardu SIST EN 61858-1:2014.

EN IEC 61858-1 lists the required test procedures for qualification of modifications of an established electrical insulation system (EIS) with respect to its thermal classification. This standard is applicable to EIS used in wire-wound winding electrotechnical devices. The test procedures are comparative in that the performance of a candidate EIS is compared to that of a reference EIS, which has proven service experience in accordance with IEC 60505 or has been evaluated by one of the procedures given in the IEC 61857 series.

SIST EN IEC 60684-3-116:2024

2024-07 (po) (en) 15 str. (D)

Gibke izolacijske cevi - 3. del: Specifikacije za posamezne vrste cevi - 116. in 117. list: Ekstrudirani polipropilen za splošne namene (IEC 60684-3-116:2024)

Flexible insulating sleeving - Part 3: Specifications for individual types of sleeving - Sheets 116 and 117: Extruded polychloroprene, general purpose (IEC 60684-3-116:2024)

Osnova: EN IEC 60684-3-116:2024

ICS: 29.035.20

This part of IEC 60684 gives the requirements for non-heat-shrinkable sleeving, extruded from compounds based on polychloroprene elastomer. This sleeving has been found suitable for temperatures up to 95 °C.

Sleeving of this type is normally available with internal diameters up to 25 mm, and in the following opaque colours: black, brown, red, orange, yellow, green, blue, violet, grey, white and pink. Sizes or colours other than those specifically listed in this document can possibly be available as custom items. These items are considered to comply with this document if they comply with the other property requirements listed in Table 2.

Materials which conform to this specification meet established levels of performance. However, the selection of a material by a user for a specific application will be based on the actual requirements necessary for adequate performance in the application and not based on the specification alone.

SIST EN IEC 62631-2-3:2024

2024-07 (po) (en) **30 str. (G)**

Dielektrične in uporovne lastnosti trdnih izolacijskih materialov - 2-3. del: Relativna permitivnost in faktor dielektričnih izgub - Metoda kontaktne elektrode za izolacijske folije - Metode AC (IEC 62631-2-3:2024)

Dielectric and resistive properties of solid insulating materials - Part 2-3: Relative permittivity and dissipation factor - Contact electrode method for insulating films - AC methods (IEC 62631-2-3:2024)

Osnova: EN IEC 62631-2-3:2024

ICS: 29.035.01, 17.220.99

IEC 62631-2-3:2024 specifies the measuring technology and the test method for the relative permittivity and dielectric dissipation factor of thin single layer insulating polymer film without any additional metallization on the sample surface. The adaptive thickness range is approximately 10 µm to 100 µm. The proposed frequency is the power frequency (50 Hz or 60 Hz), and it is also suitable in the technical frequency range from 1 Hz to 1 MHz.

SIST/TC IKER Keramika

SIST EN ISO 21068-1:2024

2024-07 (po) (en;fr;de) **15 str. (D)**

Kemijska analiza surovin in ognjevdržnih izdelkov, ki vsebujejo silicijev karbid, silicijev nitrid, silicijev oksinitrid in sialon - 1. del: Splošne informacije, terminologija in priprava vzorcev (ISO 21068-1:2024)
Chemical analysis of raw materials and refractory products containing silicon-carbide, silicon-nitride, silicon-oxynitride and sialon - Part 1: General information, terminology and sample preparation (ISO 21068-1:2024)

Osnova: EN ISO 21068-1:2024

ICS: 71.040.40, 81.080

This part of ISO 21068 gives definitions and specifies techniques for the preparation of samples for the chemical analysis of silicon-carbide-containing raw materials and refractory products including:

- a) SiC raw materials;
- b) graphite brick containing silicon carbide;
- c) silicon carbide brick (includes the bricks containing silicon nitride, silicon oxynitride, sialon);
- d) refractories containing carbon and/or silicon carbide mixed with clay;
- e) refractories containing carbon and/or silicon carbide mixed with silica (and fused silica);
- f) refractories containing carbon and/or silicon carbide mixed with high alumina material;
- g) refractories containing carbon and/or silicon carbide mixed with magnesia (and dolomite);
- h) refractories containing carbon and/or silicon carbide mixed with chrome mineral or magnesia-chrome materials;

- i) refractories containing carbon and/or silicon carbide except those described in a) to g) above.

The items of chemical analysis described in ISO 21068, Parts 1 to 4 are as follows:

- 1) loss on drying (LOD);
- 2) loss on ignition (LOI);
- 3) total carbon, C_{total};
- 4) free carbon, C_{free};
- 5) silicon carbide, SiC;
- 6) free silicon (Si_{free});
- 7) free aluminium (Al_{free});
- 8) free magnesium (Mg_{free});
- 9) free iron (Fe_{free});
- 10) silicon(IV) dioxide (SiO₂);
- 11) aluminium oxide (Al₂O₃);
- 12) iron(III) oxide (total iron oxide calculated as Fe₂O₃);
- 13) titanium(IV) oxide (TiO₂);
- 14) calcium oxide (CaO);
- 15) magnesium oxide (MgO);
- 16) sodium oxide (Na₂O);
- 17) potassium oxide (K₂O);
- 18) chromium(III) oxide (Cr₂O₃);
- 19) zirconium oxide (ZrO₂);
- 20) boron oxide (total boron calculated as B₂O₃);
- 21) nitrogen;
- 22) oxygen;
- 23) nitrides (undifferentiated: Si₃N₄, AlN, BN, sialon, oxy-nitrides, etc.);
- 24) XRD-methods.

SIST EN ISO 8840:2024

2024-07 (po) (en;fr;de) 21 str. (F)

Ognjevzdržni materiali - Ugotavljanje prostorninske mase drobljenih (zrnatih) materialov (gostota zrn) (ISO 8840:2021)

Refractory materials - Determination of bulk density of granular materials (grain density) (ISO 8840:2021)

Osnova: EN ISO 8840:2024

ICS: 81.080

As per ISO document i.e.

This document specifies three methods for the determination of the bulk density of granular refractory materials (grain density) having a grain size larger than 2 mm:

- Method 1: mercury method with vacuum;
- Method 2: arrested water absorption method;
- Method 3: vacuum method with spin dryer option according to ISO 5017.

Method 1 is intended as the reference method.

NOTE Depending on the nature of the material tested, the three methods can give different results.

Any statement of the value of a bulk density can therefore be accompanied by an indication of the method used or to be used in case of dispute.

The same method can be used for the determination of the volume of the sample, for selecting and preparing the sample, for calculating the bulk density and for presenting the test report.

SIST/TC IMIN Merilni instrumenti

SIST-TS CEN/TS 18041:2024

2024-07 (po) (en;fr;de) **16 str. (D)**

Hidrometrija - Sedimentacija - Meritve, potrebne za učinkovito upravljanje in nadzor sedimentov na rečnih strukturah

Hydrometry - Sedimentation - Measurements required for effective sediment management and control at river structures

Osnova: CEN/TS 18041:2024

ICS: 93.140, 17.120.20

This document provides guidance on the collation of the measurements required for the management of siltation at river structures. These include structures used by water supply utilities, other major water abstractors, HEP producers, and for flow measurement by environmental protection agencies.

The document is also intended for use when a redundant structure is being removed, or when modifications to a structure are being made to facilitate fish migration or for river restoration. This is to ensure that the impacts of these changes are adequately monitored and recorded.

The document covers the provision of routine measurements, and the checks and requirements that need to be made by the operator so that specific basic information is collated and made readily available. This information is used to inform decision-making by environment management agencies that authorise flushing, sediment clearance or sedimentation removal. This is to ensure minimal environmental impacts, and to compliance with existing environmental legislation.

SIST/TC IMKG Mehanizacija za kmetijstvo in gozdarstvo

SIST EN ISO 28139:2021/A1:2024

2024-07 (po) (en;fr;de) **15 str. (D)**

Oprema za zaščito poljščin - Nahrbtina škropilnica na zračni tlak s pogonskim motorjem - Varnostne in okoljske zahteve in preskusne metode - Dopolnilo A1 (ISO 28139:2019/Amd 1:2024)

Equipment for crop protection - Knapsack combustion engine-driven airblast sprayers - Safety and environmental requirements and test methods - Amendment 1 (ISO 28139:2019/Amd 1:2024)

Osnova: EN ISO 28139:2021/A1:2024

ICS: 65.060.40

Amandma A1:2024 je dodatek k standardu SIST EN ISO 28139:2021.

This document specifies safety requirements and their verification, environmental requirements and related test methods, and minimum performance limits, for the design and construction of knapsack combustion engine-driven airblast sprayers as defined in 3.9.

It describes methods for the elimination or reduction of hazards arising from their use. In addition, it specifies the type of information on safe working practices to be provided by the manufacturer.

It addresses general operating parameters as well as the potential deposition of spray droplets under specified controlled conditions.

This document deals with all significant hazards, hazardous situations and events, excepting those arising from vibration transmitted to the back of the operator.

It is applicable to knapsack combustion engine-driven airblast sprayers when they are used as intended and under the conditions foreseeable by the manufacturer (see Table A.1).

It is not applicable to:

- hydraulic pressure sprayers;
- thermal sprayers;
- cold foggers;
- sprayers adapted for the application of dry material.

It is not applicable to knapsack combustion engine-driven airblast sprayers manufactured before the date of its publication. The requirements of this document applies to products manufactured 18 months after publication.

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

SIST EN 12255-8:2024

2024-07 (po) (en;fr;de) 45 str. (I)

Čistilne naprave za odpadno vodo - 8. del: Obdelava in skladiščenje blata
Wastewater treatment plants - Part 8: Sludge treatment and storage

Osnova: EN 12255-8:2024

ICS: 13.060.30

This document specifies design principles and performance requirements for sludge treatment and storage facilities at wastewater treatment plants serving more than 50 PT.

NOTE Other sludges and organic wastes may be treated together with municipal sewage sludge.

SIST EN 17821:2023/AC:2024

2024-07 (po) (en;fr;de) 3 str. (AC)

Ventili v stavbah - Proti zmrzali odporne pipe za zunanjo uporabo (FRT) - Splošna tehnična specifikacija - Popravek AC

Building valves - Frost resistant taps for outdoor use (FRT) - General technical specification

Osnova: EN 17821:2023/AC:2024

ICS: 91.140.60, 23.060.01

Popravek k standardu SIST EN 17821:2023.

This document specifies general construction, performance and material requirements for the tapware FRT, PN 10. The application in the drinking water installation with a static pressure of maximum 1,0 MPa (10 bar) and a distribution temperature of maximum 25 °C (PWC).

The conditions of use are according to the following Table 1:

[Table 1 - Conditions of use]

[Figure 1 - The different areas of FRT]

SIST/TC IPKZ Protikorozijska zaščita kovin

SIST EN ISO 11782-2:2008/A1:2024

2024-07 (po) (en;fr;de) 17 str. (E)

Korozija kovin in zlitin - Ugotavljanje pokanja zaradi korozijske utrujenosti - 2. del: Preskus za ugotavljanje napredovanja razpok z vzorci z umetno razpoko - Dopolnilo A1 (ISO 11782-2:1998/Amd 1:2024)

Corrosion of metals and alloys - Corrosion fatigue testing - Part 2: Crack propagation testing using precracked specimens - Amendment 1 (ISO 11782-2:1998/Amd 1:2024)

Osnova: EN ISO 11782-2:2008/A1:2024

ICS: 77.060

Amandma A1:2024 je dodatek k standardu SIST EN ISO 11782-2:2008.

Describes the fracture mechanics method of determining the crack growth rates of pre-existing cracks under cyclic loading in a controlled environment and the measurement of the threshold stress intensity factor range for crack growth below which the rate of crack advance falls below some defined limit agreed between parties. This part provides guidance and instruction on corrosion fatigue testing of metals and alloys in aqueous or gaseous environments.

SIST EN ISO 7539-6:2018/A1:2024**2024-07 (po) (en;fr;de) 9 str. (C)**

Korozija kovin in zlitin - Preskušanje napetostne korozije - 6. del: Priprava in uporaba preskušancev z umetno razpoko za preskuse pri konstantni obremenitvi ali konstantni deformaciji - Dopolnilo A1 (ISO 7539-6:2018/Amd 1:2024)

Corrosion of metals and alloys - Stress corrosion testing - Part 6: Preparation and use of precracked specimens for tests under constant load or constant displacement - Amendment 1 (ISO 7539-6:2018/Amd 1:2024)

Osnova: EN ISO 7539-6:2018/A1:2024

ICS: 77.060

Amandma A1:2024 je dodatek k standardu SIST EN ISO 7539-6:2018.

This document specifies procedures for designing, preparing and using precracked specimens for investigating susceptibility to stress corrosion. It gives recommendations for the design, preparation and use of precracked specimens for investigating susceptibility to stress corrosion. Recommendations concerning notched specimens are given in Annex A.

The term "metal" as used in this document includes alloys.

Because of the need to confine plasticity at the crack tip, precracked specimens are not suitable for the evaluation of thin products, such as sheet or wire, and are generally used for thicker products including plate bar and forgings. They can also be used for parts joined by welding.

Precracked specimens can be loaded with equipment for application of a constant load or can incorporate a device to produce a constant displacement at the loading points. Tests conducted under increasing displacement or increasing load are dealt with in ISO 7539-9.

A particular advantage of precracked specimens is that they allow data to be acquired, from which critical defect sizes, above which stress corrosion cracking can occur, can be estimated for components of known geometry subjected to known stresses. They also enable rates of stress corrosion crack propagation to be determined. The latter data can be taken into account when monitoring parts containing defects during service.

SIST/TC IPMA Polimerni materiali in izdelki**SIST EN 15348:2024****2024-07 (po) (en;fr;de) 27 str. (G)**

Polimerni materiali - Reciklirani polimerni materiali - Karakterizacija reciklatov polietilen-tereftalata (PET)

Plastics - Recycled plastics - Characterization of poly(ethylene terephthalate) (PET) recyclates

Osnova: EN 15348:2024

ICS: 83.080.20, 13.030.50

This document defines a method of specifying delivery conditions for poly(ethylene terephthalate) (PET) recyclates.

It gives the most important characteristics and associated test methods for assessing PET recyclates intended for use in the production of semi-finished/finished products.

It is intended to support parties involved in the use of polyethylene terephthalate (PET) by mechanical recycling to agree on specifications for specific and generic applications.

This document is applicable without prejudice to any existing legislation.

This document does not cover the characterization of plastic waste, which is covered by EN 15347, neither traceability topics which are covered by EN 15343.

SIST EN ISO 2398:2024

SIST EN ISO 2398:2017

2024-07 (po) (en;fr;de) 13 str. (D)

S tekstilom ojačene gumene cevi za stisnjeni zrak - Specifikacija (ISO 2398:2024)

Rubber hoses, textile-reinforced, for compressed air - Specification (ISO 2398:2024)

Osnova: EN ISO 2398:2024

ICS: 83.140.40

ISO 2398:2016 specifies the requirements for three types, three classes and two categories of textile-reinforced rubber hose for compressed air, up to a maximum working pressure of 25 bar with an operating-temperature range of -40 °C to +70 °C, depending on the type and category.

SIST EN ISO 4641:2024

SIST EN ISO 4641:2017

2024-07 (po) (en;fr;de) 17 str. (E)

Gumene cevi in cevni priključki za dotok in odtok vode - Specifikacija (ISO 4641:2024)

Rubber hoses and hose assemblies for water suction and discharge - Specification (ISO 4641:2024)

Osnova: EN ISO 4641:2024

ICS: 23.040.70

ISO 4641:2016 specifies the minimum requirements for textile-reinforced, smooth-bore rubber water-suction and discharge hoses and hose assemblies.

Three types of hoses and hose assemblies are specified according to their operating duty requirements, i.e. their ambient and water temperature ranges:

- ambient temperatures: -25 °C to +70 °C;

- water temperatures during operation: 0 °C to +70 °C.

SIST EN ISO 5771:2024

2024-07 (po) (en;fr;de) 20 str. (E)

Gumene cevi ter cevni priključki za prenos brezvodnega amoniaka - Specifikacija (ISO 5771:2024)

Rubber hoses and hose assemblies for transferring anhydrous ammonia - Specification (ISO 5771:2024)

Osnova: EN ISO 5771:2024

ICS: 83.140.40

ISO 5771:2008 specifies the minimum requirements for rubber hoses used for transferring ammonia, in liquid or in gaseous form, at ambient temperatures from - 40 °C up to and including + 55 °C. It does not include specifications for end fittings, but is limited to the performance of the hoses and hose assemblies.

SIST EN ISO 6224:2024

2024-07 (po) (en;fr;de) 15 str. (D)

S tekstilom ojačene plastomerne cevi za splošno uporabo vode - Specifikacija (ISO 6224:2024)

Thermoplastics hoses, textile-reinforced, for general-purpose water applications - Specification (ISO 6224:2024)

Osnova: EN ISO 6224:2024

ICS: 83.120, 23.040.70

This International Standard specifies the requirements for general-purpose textile-reinforced thermoplastics water-discharge hoses.

Three types of hose are specified according to their operating duty requirements, i.e. their ambient and water temperature ranges:

– ambient temperatures: -10 °C to +60 °C;

– water temperature during operation: 0 °C to +60 °C.

NOTE At water temperatures above 23 °C and particularly above 40 °C, the maximum working pressure will be reduced.

These hoses are not intended to be used for conveyance of potable (drinking) water, for washing-machine inlets, as fire-fighting hoses, for special agricultural machines or as gardening hoses for the consumer market.

SIST EN ISO 6806:2024**2024-07** (po) (en;fr;de) **21 str. (F)**

Gumene cevi in cevni priključki za oljne gorilnike - Specifikacija (ISO 6806:2024)

Rubber hoses and hose assemblies for use in oil burners - Specification (ISO 6806:2024)

Osnova: EN ISO 6806:2024

ICS: 83.140.40, 27.060.10

ISO 6806:2017 specifies the minimum requirements for rubber hoses and hose assemblies for use in oil burners.

The following two types of hose assembly are specified.

- Type 1: Hose assemblies for flux and reflux, but not for insertion between the oil burner pump and the atomizing connection; maximum working pressure 1,0 MPa (10 bar); maximum oil temperature 100 °C.

- Type 2: Hose assemblies for insertion between the oil burner pump and the atomizing connection; maximum working pressure 4,0 MPa (40 bar); maximum oil temperature 100 °C.

The hose assemblies specified in this document are not intended to be used, without special assessment, for purposes other than oil burner installations.

SIST/TC ISTP Stavbno pohištvo**SIST EN 16867:2020+A2:2024****2024-07** (po) (en;fr;de) **66 str. (K)**

Stavbno okovje - Mehatronsko okovje za vrata - Zahteve in preskusne metode (vključno z dopolnilom A2)

Building hardware - Mechatronic door furniture - Requirements and test methods

Osnova: EN 16867:2020+A2:2024

ICS: 91.190

This document applies to Mechatronic door furniture (MDF) fitted on the door set which gives the possibility to control the locking and/or release part through an electronic authorization means. This can be operable by credentials (i.e. card, code, biometric).

The MDF according to this document is combined with locks according to EN 12209, EN 14846, prEN 15685 or may be a part of an emergency exit device according to EN 179, EN 1125 or EN 13637.

The MDF may be standalone or linkable to an external control system.

The document would allow classifying the MDF upon several characteristics such as category of use, durability, environmental, security, and type of operating device.

The suitability of the MDF for use on fire or smoke-door assemblies is determined by fire resistance tests conducted in addition to the performance testing specified by this document.

1.2 Exclusions

This document does not cover:

- mechatronic cylinders according to EN 15684;
- electromechanical operated locks and striking plates according to EN 14846.

SIST/TC ITC Informacijska tehnologija**SIST EN ISO 14823-1:2024**

SIST EN ISO 14823:2017

2024-07 (po) (en;fr;de) **81 str. (M)**

Inteligentni transportni sistemi - Seznam grafičnih simbolov - 1. del: Specifikacija (ISO 14823-1:2024)

Intelligent transport systems - Graphic data dictionary - Part 1: Specification (ISO 14823-1:2024)

Osnova: EN ISO 14823-1:2024

ICS: 43.040.15, 35.240.60

This document specifies a graphic data dictionary (GDD), a system of standardized codes for existing road traffic signs and pictograms used to deliver traffic and traveller information (TTI). The coding system can be used in the formation of messages within intelligent transport systems (ITS).

SIST-TS CEN/CLC/TS 18026:2024

2024-07 (po) (en;fr;de) **180 str. (R)**

Tristopenjski pristop za nabor zahtev kibernetne varnosti za storitve v oblaku

Three-level approach for a set of cybersecurity requirements for cloud services

Osnova: CEN/TS 18026:2024

ICS: 35.210, 35.030

This Technical Specification (TS) provides a set of cybersecurity requirements for cloud services.

This TS is applicable to organizations providing cloud services and their subservice organizations

SIST/TC ITEK Tekstil in tekstilni izdelki

SIST EN 17134-1:2024

2024-07 (po) (en;fr;de) **11 str. (C)**

Tekstilije in tekstilni izdelki - Določanje biocidnega dodatka - 1. del: 2-fenilfenol in triklosan, metoda z uporabo tekočinske kromatografije

Textiles and textile products - Determination of biocide additives - Part 1: 2-Phenylphenol and triclosan, method using liquid chromatography

Osnova: EN 17134-1:2024

ICS: 71.040.50, 59.080.01

This document specifies a test method for the determination of the content of the preservative agents (biocidal products) 2-phenylphenol (OPP) and triclosan in textile materials and articles composed of textile products, by liquid chromatography.

SIST/TC IUSN Usnje

SIST EN ISO 20433:2024

2024-07 (po) (en;fr;de) **12 str. (C)**

Usnje - Preskušanje obstojnosti barve - Obstojnost barve proti drgnjenju (ISO 20433:2024)

Leather - Tests for colour fastness - Colour fastness to crocking (ISO 20433:2024)

Osnova: EN ISO 20433:2024

ICS: 59.140.30

This International Standard specifies a method for determining the amount of colour transferred from the surface of coloured leather to other surfaces by rubbing with a white cotton cloth.

Two tests are carried out, one with a dry rubbing cloth and one with a wet rubbing cloth.

The method is applicable to all types of coloured leather. Since after treatments of the leather as well as surface finishes can affect the degree of colour transfer, the test can be made before and/or after such treatments.

SIST EN ISO 21135:2024

2024-07 (po) (en;fr;de) **21 str. (F)**

Kemikalije za industrijo strojenja usnja - Določevanje celotne vsebnosti nekaterih bisfenolov (ISO 21135:2024)

Chemicals for the leather tanning industry - Determination of the total content of certain bisphenols (ISO 21135:2024)

Osnova: EN ISO 21135:2024

ICS: 59.140.30

This document specifies a method for determining the total content (solvent extractable) of the following bisphenols in chemicals for the leather tanning industry:

- bisphenol A;
- bisphenol AF;
- bisphenol B;

- bisphenol F;
- bisphenol S.

This method requires the use of liquid chromatography (LC) with either a single quadrupole mass spectrometer (MS), a triple quadrupole mass spectrometer (MS/MS), an ultraviolet (UV) detector, a diode array detector (DAD) or a fluorescence detector (FLD) to identify and quantify the bisphenols.

NOTE 1 This method can also be used for other bisphenols if they are validated by the laboratory.

NOTE 2 Bisphenol S cannot be detected with FLD.

SIST/TC IZL Izolatorji

SIST EN 50719:2024

2024-07 (po) (en;fr;de) 13 str. (D)

Povezovalni ploščati priključki za skoznjike od 250 A do 4000 A za transformatorje, polnjene z izolacijsko tekočino

Connecting terminal flags for bushings from 250A to 4 000 A for insulating liquid filled transformers

Osnova: EN 50719:2024

ICS: 29.080.20, 29.180

This standard is applicable to vertical connecting terminal flags for insulated bushings with rated currents from 250 A to 4 000 A and frequencies from 15 Hz to 60 Hz for liquid immersed equipment.

SIST/TC IŽNP Železniške naprave

SIST EN ISO 22163:2024

2024-07 (po) (en;fr;de) 91 str. (M)

Železniške naprave - Sistem vodenja kakovosti v železniškem prometu - ISO 9001:2015 in posebne zahteve za uporabo v železniškem sektorju (ISO 22163:2023)

Railway applications - Railway quality management system - ISO 9001:2015 and specific requirements for application in the railway sector (ISO 22163:2023)

Osnova: EN ISO 22163:2024

ICS: 03.120.10, 45.020, 03.100.70

This document specifies requirements for a quality management system when an organization:

- needs to demonstrate its ability to consistently provide products and services that meet customer and applicable statutory and regulatory requirements, and
- aims to enhance customer satisfaction through the effective application of the system, including processes for improvement of the system and the assurance of conformity to customer and applicable statutory and regulatory requirements.

All the requirements of this document are generic and are intended to be applicable to any organization, regardless of its type or size, or the products and services it provides.

NOTE 1 In this document, the terms "product" or "service" only apply to products and services intended for, or required by, a customer.

NOTE 2 Statutory and regulatory requirements can be expressed as legal requirements.

This document specifies the requirements for a railway quality management system (RQMS)

- applicable throughout the whole supply chain of the railway sector related to industrial products and services,
- providing continual improvement, emphasizing defect prevention and defect reduction in the supply chain, and
- enhancing and sustaining product quality, including its safety aspects.

SIST/TC KAV Kakovost vode

SIST EN ISO 17294-1:2024

SIST EN ISO 17294-1:2007

2024-07 (po) (en;fr;de) 41 str. (I)

Kakovost vode - Uporaba masne spektrometrije z induktivno sklopljeno plazmo (ICP-MS) - 1. del: Splošne smernice (ISO 17294-1:2024)

Water quality - Application of inductively coupled plasma mass spectrometry (ICP-MS) - Part 1: General requirements (ISO 17294-1:2024)

Osnova: EN ISO 17294-1:2024

ICS: 13.060.50

This document specifies the principles of inductively coupled plasma mass spectrometry (ICP-MS) and provides general requirements for the use of this technique to determine elements in water, digests of sludges and sediments (e.g. digests of water as described in ISO 15587-1 or ISO 15587-2). Generally, the measurement is carried out in water, but gases, vapours or fine particulate matter can be introduced too. This document applies to the use of ICP-MS for aqueous solution analysis.

The ultimate determination of the elements is described in a separate International Standard for each series of elements and matrix. The individual clauses of this document refer the user to these guidelines for the basic principles of the method and the configuration of the instrument.

SIST/TC KON Konstrukcije

SIST EN 1090-2:2018+A1:2024

2024-07 (po) (en;fr;de) 209 str. (S)

Izvedba jeklenih in aluminijastih konstrukcij - 2. del: Tehnične zahteve za izvedbo jeklenih konstrukcij
Execution of steel structures and aluminium structures - Part 2: Technical requirements for steel structures

Osnova: EN 1090-2:2018+A1:2024

ICS: 91.080.13

This European Standard specifies requirements for execution of structural steelwork as structures or as manufactured components, produced from:

- hot rolled, structural steel products up to and including grade S700;
- cold formed components and sheeting up to and including grade S700 (unless coming within the scope of prEN 1090-4);
- hot finished or cold formed austenitic, austenitic-ferritic and ferritic stainless steel products;
- hot finished or cold formed structural hollow sections, including standard range and custom-made rolled products and hollow sections manufactured by welding.

For components produced from cold formed components, and cold formed structural hollow sections that are within the scope of prEN 1090-4, the requirements of prEN 1090-4 take precedence over corresponding requirements in this European Standard.

This European Standard can also be used for structural steel grades up to and including S960, provided that conditions for execution are verified against reliability criteria and any necessary additional requirements are specified.

This European Standard specifies requirements, which are mostly independent of the type and shape of the steel structure (e.g. buildings, bridges, plated or latticed components) including structures subjected to fatigue or seismic actions. Certain requirements are differentiated in terms of execution classes.

This European Standard applies to structures designed according to the relevant part of the EN 1993 series. Sheet piling, displacement piles and micropiles designed to EN 1993-5 are intended to be executed in accordance with respectively EN 12063, EN 12699 and EN 14199. This European Standard only applies to the execution of waling, bracing, and connections.

This European Standard applies to steel components in composite steel and concrete structures designed according to the relevant part of the EN 1994 series.

This European Standard can be used for structures designed according to other design rules provided that conditions for execution comply with them and any necessary additional requirements are specified.

This European Standard includes the requirements for the welding of reinforcing steels to structural steels. This European Standard does not include requirements for the use of reinforcing steels for reinforced concrete applications.

SIST EN 1991-1-2:2024

SIST EN 1991-1-2:2004
SIST EN 1991-1-2:2004/AC:2013

2024-07 (po) (en;fr;de) **75 str. (L)**

Evrokod 1 - Vplivi na konstrukcije - 1-2. del: Vplivi požara na konstrukcije

Eurocode 1 - Actions on structures – Part 1-2: Actions on structures exposed to fire

Osnova: EN 1991-1-2:2024

ICS: 91.010.30, 13.220.50

1.1 Scope of EN 1991 1 2

(1) The methods given in this Eurocode are applicable to buildings and civil engineering works, with a fire load related to the building and its occupancy.

(2) EN 1991 1 2 deals with thermal and mechanical actions on structures exposed to fire. It is intended to be used in conjunction with the fire design Parts of EN 1992 to EN 1996 and EN 1999 which give rules for designing structures for fire resistance.

(3) EN 1991 1 2 contains thermal actions either nominal or physically based. More data and models for physically based thermal actions are given in annexes.

(4) EN 1991 1 2 does not cover the assessment of the damage of a structure after a fire.

(5) EN 1991 1 2 does not cover supplementary requirements concerning, for example:

- the possible installation and maintenance of sprinkler systems;
- conditions on occupancy of building or fire compartment;
- the use of approved insulation and coating materials, including their maintenance.

1.2 Assumptions

(1) In addition to the general assumptions of EN 1990 the following assumptions apply:

- any active and passive fire protection systems taken into account in the design will be adequately maintained;

- the choice of the relevant design fire scenario is made by appropriate qualified and experienced personnel, or is given by the relevant national regulation.

SIST EN 1993-1-13:2024

2024-07 (po) (en;fr;de) **47 str. (I)**

Evrokod 3 - Projektiranje jeklenih konstrukcij - 1-13. del: Nosilci z velikimi mrežnimi odprtinami

Eurocode 3 - Design of steel structures - Part 1-13: Beams with large web openings

Osnova: EN 1993-1-13:2024

ICS: 91.080.13, 91.010.30

(1) This document gives supplementary provisions that extend the application of EN 1993-1-1 and EN 1993 1 5 to the design of rolled and welded steel sections with various shapes of web openings. The following cases are considered:

- rolled or welded beams with widely spaced web openings;
- rolled or welded beams with closely spaced web openings;
- cellular beams with circular openings made by cutting and re-welding two parts of steel sections that may be different in dimensions;
- beams with hexagonal and sinusoidal openings made by cutting and re-welding two parts of steel sections that may be different in dimensions.

(2) This document applies to uniform members with I or H profiles, which are symmetric about the weak axis. It does not apply to non-prismatic or curved beams although the same principles can apply.

(3) This document applies to steel beams with web openings that are subjected to sagging (positive) and to beams that are also subjected to hogging (negative) bending moments.

(4) This document covers the verification of the resistance at the openings and their effect on the global behaviour of the beam, including lateral torsional buckling.

(5) Alternative methods are presented for beams with circular openings and with sinusoidal openings in which the forces and resistances are calculated by increments around or along the openings and which are suitable for computer methods.

(6) This document applies to web slenderness, h_w/t_w , not exceeding 121ε . The local checks at and between adjacent openings apply to web slenderness up to this limit. Tension field action of plate girders is not part of the scope.

NOTE The limit of 121ε corresponds to the section classification for a symmetric steel section and is used as a convenient limit for the application of this document, including asymmetric sections. The material parameter ε is defined in prEN 1993-1-1:2020, 5.2.5 (2).

(7) This document does not cover fatigue. In case of fatigue, EN 1993-1-9 applies.

(8) This document does not cover fire design. For the design in case of fire, EN 1993-1-2 applies.

(9) This document does not cover the buckling verification of members with web openings under axial force.

1.1.2 Shapes of openings

(1) The different shapes of openings that are considered in this document are shown in Figure 1.1.

Figure 1.1...

1.1.3 Stiffened openings

(1) This document also covers openings in the web of beams that are reinforced by longitudinal stiffeners and/or transverse stiffeners on one or both sides of the web, see Figure 1.2.

NOTE The National Annex can give rules for alternative types of stiffener.

Figure 1.2...

1.2 Assumptions

(1) Unless specifically stated, EN 1990, EN 1991 (all parts) and EN 1993-1-1 apply.

(2) The design methods given in EN 1993-1-13 are applicable if

- the execution quality is as specified in EN 1090-2, and
- the construction materials and products used are as specified in the relevant parts of EN 1993 (all parts), or in the relevant material and product specifications.

SIST EN 1993-1-2:2024

SIST EN 1993-1-2:2005

SIST EN 1993-1-2:2005/AC:2009

2024-07 (po) (en;fr;de) **97 str. (M)**

Evrokod 3 - Projektiranje jeklenih konstrukcij - 1-2. del: Požarnoodporno projektiranje

Eurocode 3 - Design of steel structures - Part 1-2: Structural fire design

Osnova: EN 1993-1-2:2024

ICS: 91.080.13, 91.010.30, 13.220.50

(1) This document provides rules for the design of steel structures for the accidental situation of fire exposure. This Part of EN 1993 only identifies differences from, or supplements to, normal temperature design.

(2) This document applies to steel structures required to fulfil a loadbearing function.

(3) This document does not include rules for separating function.

(4) This document gives principles and application rules for the design of structures for specified requirements in respect of the aforementioned function and the levels of performance.

(5) This document applies to structures, or parts of structures, that are within the scope of EN 1993 1 1 and are designed accordingly.

(6) This document is intended to be used in conjunction with EN 1991-1-2, EN 1993-1-1, EN 1993 1-3, EN 1993-1-4, EN 1993-1-5, EN 1993-1-6, EN 1993-1-7, EN 1993-1-8, EN 1993-1-11, EN 1993-1-13 or EN 1993-1-14.

1.2 Assumptions

(1) Unless specifically stated, EN 1990, EN 1991(all parts) and EN 1993-1-1 apply.

(2) The design methods given in prEN 1993-1-2 are applicable if

- the execution quality is as specified in EN 1090-2 and/or EN 1090-4, and
- the construction materials and products used are as specified in prEN 1993-1-1:2020, Table 5.1 and Table 5.2 and in prEN 1993-1-3:2022, Table 5.1 and Table 5.2, or in the relevant material and product specifications.

(3) In addition to the general assumptions of EN 1990 the following assumptions apply:

- the choice of the relevant design fire scenario is made by appropriate qualified and experienced personnel, or is given by the relevant national regulation;

- any fire protection measure taken into account in the design will be adequately maintained.

SIST EN 1993-1-3:2024

SIST EN 1993-1-3:2007
SIST EN 1993-1-3:2007/AC:2010

2024-07 (po) (en;fr;de) **209 str. (S)**

Evrokod 3 - Projektiranje jeklenih konstrukcij - 1-3. del: Hladno oblikovani profili in pločevina

Eurocode 3 - Design of steel structures - Part 1-3: Cold-formed members and sheeting

Osnova: EN 1993-1-3:2024

ICS: 91.080.13, 91.010.30

(1) This document provides rules for structural design of cold-formed steel members and sheeting.

(2) This document applies to cold-formed steel products made from coated or uncoated hot- or cold-rolled sheet or strip, which have been cold-formed by processes such as roll-forming or press braking. It also covers sheeting and members which are curved during fabrication by continuous bending or roll-forming. Sheeting which has the curvature created by crushing the inner flanges is not included. This document is also applicable to the design of profiled steel sheeting for composite steel and concrete slabs at the construction stage, see EN 1994. The execution of steel structures made of cold-formed steel members and sheeting is covered in EN 1090 4. Provisions for bolted connections are provided in EN 1090 2.

NOTE The rules in prEN 1993 1 3 complement the rules in other parts of EN 1993 1.

(3) Methods are also given for stressed-skin design, using steel sheeting as a structural diaphragm.

(4) This document does not apply to cold-formed circular and rectangular structural hollow sections supplied to EN 10219, for which reference is made to EN 1993 1 1 and EN 1993 1 8.

(5) This document provides methods for design by calculation and for design assisted by testing. The methods for design by calculation apply only within the stated ranges of material properties and geometric proportions, for which sufficient experience and test evidence is available. These limitations do not apply to design assisted by testing.

1.2 Assumptions

(1) Unless specifically stated, EN 1990, EN 1991 (all parts) and EN 1993 1 1 apply.

(2) The design methods given in prEN 1993 1 3 are applicable if:

- the execution quality is as specified in EN 1090 4, the execution quality of bolted connections is as specified in EN 1090 2, and

- the construction materials and products are as specified in the relevant parts of EN 1993 (all parts), or in the relevant material and product specifications.

(2) EN 1993 is intended to be used in conjunction with:

- the parts of EN 1992 to EN 1999 where steel structures or steel components are referred to within those documents;

- EN, EAD and ETA standards for construction products relevant to steel structures.

SIST EN 1993-1-5:2024

SIST EN 1993-1-5:2007
SIST EN 1993-1-5:2007/A1:2017
SIST EN 1993-1-5:2007/A2:2019
SIST EN 1993-1-5:2007/AC:2009

2024-07 (po) (en;fr;de) **82 str. (M)**

Evrokod 3 - Projektiranje jeklenih konstrukcij - 1-5. del: Elementi pločevinaste konstrukcije

Eurocode 3 - Design of steel structures - Part 1-5: Plated structural elements

Osnova: EN 1993-1-5:2024

ICS: 91.080.13, 91.010.30

(1) EN 1993-1-5 gives design requirements of stiffened and unstiffened plates which are subject to inplane forces.

(2) Effects due to shear lag, in-plane load introduction and plate buckling for I-section girders and box girders are covered. Also covered are plated structural components subject to in-plane loads as in tanks and silos. The effects of out-of-plane loading are outside the scope of this document.

NOTE 1: The rules in this part complement the rules for class 1, 2, 3 and 4 sections, see EN 1993-1-1.

NOTE 2: For the design of slender plates which are subject to repeated direct stress and/or shear and also fatigue due to out-of-plane bending of plate elements (breathing) see EN 1993-2 and EN 1993-6.

NOTE 3: For the effects of out-of-plane loading and for the combination of in-plane effects and out-of-plane loading effects see EN 1993-2 and EN 1993-1-7.

NOTE 4: Single plate elements may be considered as flat where the curvature radius r satisfies: $\frac{a}{r} \geq 2^3$ (1.1) where a is the panel width t is the plate thickness

SIST EN 1993-1-8:2024

SIST EN 1993-1-8:2005
SIST EN 1993-1-8:2005/AC:2009

2024-07 (po) (en;fr;de) 216 str. (S)

Evrokod 3 - Projektiranje jeklenih konstrukcij - 1-8. del: Spoji

Eurocode 3 - Design of steel structures - Part 1-8: Joints

Osnova: EN 1993-1-8:2024

ICS: 91.080.13, 91.010.30

1.1 Scope of EN 1993 1 8

(1) This document gives design methods for the design of joints subject to predominantly static loading using all steel grades from S235 up to and including S700 unless otherwise stated in individual clauses.

1.2 Assumptions

(1) The assumptions of EN 1990 and EN 1993-1-1 apply to this document.

(2) The design methods given in this part of EN 1993 are applicable when the quality of construction is as specified in EN 1090 2 or EN 1090 4, and that the construction materials and products used are those specified in the relevant parts of EN 1993, or in the relevant material and product specifications.

SIST-TS CEN/TS 19100-4:2024

2024-07 (po) (en;fr;de) 55 str. (J)

Projektiranje steklenih konstrukcij - 4. del: Določitev konfiguracije stekla glede na nevarnost poškodb - Navodilo za specifikacijo

Design of glass structures - Part 4: Glass selection relating to the risk of human injury - Guidance for specification

Osnova: CEN/TS 19100-4:2024

ICS: 91.080.99, 81.040.20

(1) This document provides guidance for the development or improvement of rules deemed to help with the choosing of appropriate glazing for protection against injuries and falling, hereafter called "the Specifications". The Specifications to be written or revised can be a national regulation, a national standard, recommendations from a professional association, requirements for a particular project, etc.

(2) This document deals with the choice of the mode of breakage (see 5.2) with regard to the safety of people against:

- the risk of injury in the event of a collision with a glazed element, e.g. a partition,
- the risk of falling through or over a glazed element, e.g. a balustrade, and
- the risk of accidental falling of glass fragments on people not having caused the breakage, e.g. an overhead glazing.

(3) These risks can be evaluated in the function of a normal use of the building or construction work. This includes use by the elderly, children and people with disabilities, but excludes deliberate risk taking. It presupposes a rational and responsible behaviour of the users or, in case of children, of those responsible for supervising them.

(4) The information contained in this document can be used to define minimum glass configuration. It does not exempt from the verification according to CEN/TS 19100-1 and CEN/TS 19100-2 and where appropriate CEN/TS 19100-3.

(5) Safety against burglary, vandalism, bullet attack, explosion, exposition to fire and seismic actions are not covered in this document. Preventing these risks needs further appropriate requirements.

(6) This document does not apply to the following glass products:

- glass blocks and paver units;
- channel-shaped glass.

(7) It also does not apply to the following applications:

- escalators and moving walkway;
- lifts;
- accesses to machinery;
- animal enclosures and aquariums;

- greenhouses and agricultural installations;
- temporary scaffolds.

SIST/TC KON.007 Geotehnika - EC 7

SIST EN 12063:2024

2024-07 (po) (en;fr;de) 134 str. (O)

Izvedba posebnih geotehničnih del - Zagatne stene, kombinirane zagatne stene, visoke modularne stene

Execution of special geotechnical work - Sheet pile walls, combined pile walls, high modulus walls

Osnova: EN 12063:2024

ICS: 93.020

This Standard specifies requirements, recommendations and information concerning the execution of permanent or temporary sheet pile wall structures and the handling of equipment and materials.

It does not give requirements and recommendations for the installation of specific parts of the structure such as ground anchorages and piles which are covered by other codes.

It applies only to steel sheet pile walls, combined walls, high modulus walls, synthetic sheet pile walls (composite), concrete and timber sheet pile walls.

Composite structures such as Berliner walls and sheet pile walls in combination with shotcrete, are not the subject of this standard.

SIST/TC KŽP Kmetijski pridelki in živilski proizvodi

SIST EN 17855:2024

2024-07 (po) (en;fr;de) 19 str. (E)

Živila - Minimalne zahteve za kvantitativno določanje alergenov v živilih: mleko, jajca, arašidi, lešniki, mandlji, orehi, indijski oreščki, pekan orehi, brazilski oreščki, pistacije, makadamije, pšenica, volčji bob, sezam, gorčica, soja, zelena, ribe, mehkužci in raki

Foodstuffs - Minimum performance requirements for quantitative measurement of the food allergens milk, egg, peanut, hazelnut, almond, walnut, cashew, pecan nut, brazil nut, pistachio nut, macadamia nut, wheat, lupine, sesame, mustard, soy, celery, fish, molluscs and crustaceans

Osnova: EN 17855:2024

ICS: 67.050, 07.100.30

This document specifies minimum performance requirements for methods that quantify the food allergens milk, egg, peanut, hazelnut, almond, brazil nut, macadamia nut, cashew, pistachio nut, walnut, pecan nut, lupine, sesame, mustard, soy, celery, fish, molluscs, crustaceans, and wheat in raw and processed foodstuffs. Within the scope of this document, minimum requirements for an LOQ (Limit of Quantification) will be derived from threshold data of allergic consumers. For quantitative antibody-based methods, a normative annex will describe what specific information the method developer needs to deliver and how performance characteristics shall be validated. Regarding PCR and LC-MS/MS, information on performance characteristics are in parts covered by EN 15634-1 and EN 17644. This document does not apply to fragmented or hydrolysed food allergens, such as casein hydrolysates or soy sauce. It also does not apply to methods that deliver qualitative results only. Methods that cover gluten-containing cereals (wheat, rye, and barley) with regard to coeliac disease are covered by EN 17254.

SIST EN ISO 30024:2024

2024-07 (po) (en;fr;de) 30 str. (G)

Krma - Določanje aktivnosti fitaze (ISO 30024:2024)

Animal feeding stuffs - Determination of phytase activity (ISO 30024:2024)

Osnova: EN ISO 30024:2024

ICS: 65.120

This document specifies the determination of phytase activity in feeding stuff samples, including feed raw materials from plant origin, compound feeds (complete, complementary, mineral feeds), premixtures and feed additives.

The method is applicable to, and is collaboratively validated for, the determination of phytase activity in complete feed, complementary feed including mineral feed, premixtures and feed additives.

The method does not distinguish between phytase added as a feed additive and endogenous phytase already present in the feed materials. Therefore, the method is also applicable for feed materials from plant origin.

The method does not apply to evaluating or comparing the in vivo efficacy of the phytase product. It is not a predictive method of the in vivo efficacy of phytases present on the market as they can develop different in vivo efficacy per unit of activity.

SIST ISO 1442:2024

SIST ISO 1442:2003

2024-07 (po) (en;fr;de) 12 str. (C)

Meso in mesni izdelki - Določevanje vsebnosti vlage - Referenčna metoda (ISO 1442:2023)

Meat and meat products – Determination of moisture content – Reference method (ISO 1442:2023)

Osnova: ISO 1442:2023

ICS: 67.120.10

This document specifies two reference methods for the determination of the moisture content of meat and meat products: a direct drying method and a distillation method.

The direct drying method is applicable to meat and meat products with low volatile substances in addition to moisture.

The distillation method is applicable to meat and meat products with high volatile substances in addition to moisture.

SIST ISO 5984:2024

SIST ISO 5984:2003

2024-07 (po) (en;fr;de) 11 str. (C)

Krma - Določevanje surovega pepela (ISO 5984:2022)

Animal feeding stuffs – Determination of crude ash (ISO 5984:2022)

Osnova: ISO 5984:2022

ICS: 65.120

This document specifies a method for the determination of crude ash of animal feeding stuffs.

SIST ISO 7927-1:2024

SIST ISO 7927-1:1997

2024-07 (po) (en;fr;de) 11 str. (C)

Seme koromača, celo ali mleto (v prahu) - 1. del: Seme navadnega koromača (*Foeniculum vulgare* P. Miller var. *vulgare*) - Specifikacija (ISO 7927-1:2023)

Spices and condiments – Fennel seed, whole or ground – Part 1: Bitter fennel seed specification (Foeniculum vulgare P. Miller var. vulgare) (ISO 7927-1:2023)

Osnova: ISO 7927-1:2023

ICS: 67.220.10

This document specifies requirements for bitter fennel seed (*Foeniculum vulgare* P. Miller var. *vulgare*), whole or ground.

Recommendations relating to storage and transport conditions are given in Annex A.

ISO 7927-2 specifies requirements for sweet fennel seed.

NOTE Although, botanically speaking, the product is a "fruit", the term "seed" is in common commercial use.

SIST ISO 937:2024

SIST ISO 937:1995

2024-07 (po) (en;fr;de) 12 str. (C)

Meso in mesni izdelki - Določanje vsebnosti dušika - Referenčna metoda (ISO 937:2023)

Meat and meat products – Determination of nitrogen content – Reference method (ISO 937:2023)

Osnova: ISO 937:2023

ICS: 67.120.10

This document specifies a reference method for the determination of the nitrogen content of meat and meat products by the Kjeldahl principle.

SIST-TS CEN ISO/TS 15213-3:2024

2024-07 (po) (en;fr;de) **42 str. (I)**

Mikrobiologija v prehranski verigi - Horizontalna metoda za ugotavljanje prisotnosti in števila *Clostridium* spp. - 3. del: Ugotavljanje prisotnosti *Clostridium perfringens* (ISO/TS 15213-3:2024)
Microbiology of the food chain - Horizontal method for the detection and enumeration of Clostridium spp. - Part 3: Detection of Clostridium perfringens (ISO/TS 15213-3:2024)

Osnova: CEN ISO/TS 15213-3:2024

ICS: 07.100.30

This document specifies the detection of *Clostridium* (C.) *perfringens*. This part of ISO 15213 is applicable to:

- products intended for human consumption;
- products intended for animal feeding;
- environmental samples in the area of food and feed production, handling, and;
- samples from the primary production stage.

This technique is intended to be used when the number of colonies sought is expected to be more than 10 per ml or per g of the test sample.

SIST/TC LLZ Les, lesni izdelki in zaščita lesa

SIST EN 15119-2:2024

2024-07 (po) (en;fr;de) **16 str. (D)**

Trajnost lesa in lesnih izdelkov - Določanje emisij iz zaščenega lesa v okolje - 2. del: Lesni izdelki, izpostavljeni 4. ali 5. razredu uporabe (v stiku z zemljo, sladko ali morskovo vodo) - Laboratorijska metoda

Durability of wood and wood-based products - Determination of emissions from preservative treated wood to the environment - Part 2: Wooden commodities exposed in Use Class 4 or 5 (in contact with the ground, fresh water or sea water) - Laboratory method

Osnova: EN 15119-2:2024

ICS: 71.100.50, 13.020.30

This document specifies a laboratory method for obtaining water samples from treated wood which has been in conditions designed to simulate continuous contact with the ground or with water (use Class 4 or 5), at time intervals after exposure.

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

SIST EN IEC 62057-3:2024

2024-07 (po) (en) **17 str. (E)**

Števci električne energije - Merilna oprema, tehnike in postopki - 3. del: Avtomatski preskusni sistem za števce (AMTS)

Electrical energy meters - Test equipment, techniques and procedures - Part 3: Automatic meter testing system (AMTS)

Osnova: EN IEC 62057-3:2024

ICS: 17.220.20

IEC 62057-3:2024 applies to an automatic meter testing system (AMTS) permanently installed in a controlled environment. It covers the functions, technical requirements and acceptance methods of an AMTS. It also applies to a newly manufactured AMTS to test static active or reactive energy meters on 50 Hz or 60 Hz networks with an AC voltage up to 600 V (phase to neutral).

This document defines the kind of AMTS that can continuously and automatically carry out all the test items specified in IEC 62058-31, including visual inspection, AC voltage test, no-load condition, starting current, accuracy and meter constant test.

This document does not apply to:

- data interfaces to the meter and test procedures of data interface;
- industrial controllers, industrial personal computers, and servers supplied along with the AMTS.

SIST/TC MOC Mobilne komunikacije

SIST EN 303 661 V1.1.1:2024

2024-07 (po) (en) 51 str. (J)

Naprave kratkega dosega (SRD) - Talni radar s sintetično odprtino (GBSAR) v frekvenčnem območju od 17,1 GHz do 17,3 GHz in talni radar visoke ločljivosti s sintetično odprtino (HD-GBSAR) v frekvenčnem območju od 76 GHz do 77 GHz - Harmonizirani standard za dostop do radijskega spektra

Short Range Devices (SRD) - Ground Based Synthetic Aperture Radar (GBSAR) in the frequency range 17,1 GHz to 17,3 GHz and High Definition Ground Based Synthetic Aperture Radar (HD-GBSAR) in the frequency range 76 GHz to 77 GHz - Harmonised Standard for access to radio spectrum

Osnova: ETSI EN 303 661 V1.1.1 (2024-05)

ICS: 33.060.01

The present document specifies technical characteristics and methods of measurements for Ground Based Synthetic Aperture Radar (GBSAR) in the frequency range 17,1 GHz to 17,3 GHz and High Definition Ground Based Synthetic Aperture Radar (HD-GBSAR) in the frequency range 76 GHz to 77 GHz.

NOTE: The relationship between the present document and essential requirements of article 3.2 of Directive 2014/53/EU [i.1] is given in annex A.

SIST EN IEC 60793-1-41:2024

2024-07 (po) (en) 33 str. (H)

Optična vlakna - 1-41. del: Merilne metode in postopki preskušanja - Pasovna širina (IEC 60793-1-41:2024)

Optical fibres - Part 1-41: Measurement methods and test procedures - Bandwidth (IEC 60793-1-41:2024)

Osnova: EN IEC 60793-1-41:2024

ICS: 33.180.10

This part of IEC 60793 describes three methods for determining and measuring the modal bandwidth of multimode optical fibres (see IEC 60793-2-10, IEC 60793-2-30, and the IEC 60793-2-40 series). The baseband frequency response is directly measured in the frequency domain by determining the fibre response to a sinusoidally modulated light source.

The baseband response can also be measured by observing the broadening of a narrow pulse of light. The calculated response is determined using differential mode delay (DMD) data. The three methods are:

- Method A – Time domain (pulse distortion) measurement
- Method B – Frequency-domain measurement
- Method C – Overfilled launch modal bandwidth calculated from differential mode delay (OMBc)

Method A and method B can be performed using one of two launches: an overfilled launch (OFL) condition or a restricted mode launch (RML) condition. Method C is only defined for A1-OM3 to A1-OM5 multimode fibres and uses a weighted summation of DMD launch responses with the weights corresponding to an overfilled launch condition. The relevant test method and launch condition is chosen according to the type of fibre.

NOTE 1 These test methods are commonly used in production and research facilities and are not easily accomplished in the field.

NOTE 2 OFL has been used for the modal bandwidth value for LED-based applications for many years. However, no single launch condition is representative of the laser (e.g. VCSEL) sources that are used

for gigabit and higher rate transmission. This fact drove the development of IEC 60793-1-49 for determining the effective modal bandwidth of laser optimized 50 µm fibres. See IEC 60793-2-10 and IEC 61280-4-1 for more information.

SIST EN IEC 60793-1-45:2024

2024-07 (po) (en) **34 str. (H)**

Optična vlakna - 1-45. del: Merilne metode in postopki preskušanja - Premer osnovnega rodu
Optical fibres - Part 1-45: Measurement methods and test procedures - Mode field diameter

Osnova: EN IEC 60793-1-45:2024

ICS: 33.180.10

This part of IEC 60793 establishes uniform requirements for measuring the mode field diameter (MFD) of single-mode optical fibre, thereby assisting in the inspection of fibres and cables for commercial purposes.

SIST EN IEC 60794-1-212:2024

2024-07 (po) (en) **14 str. (D)**

Optični kabli - 1-212. del: Splošna specifikacija - Osnovni preskusni postopki za optične kable - Okoljske preskusne metode - Temperaturno cikliranje s kabelskimi elementi, pritrjenimi na obeh koncih, metoda F12 (IEC 60794-1-212:2024)

Optical fibre cables - Part 1-212: Generic specification - Basic optical cable test procedures - Environmental test methods - Temperature cycling with cable elements fixed at both ends, Method F12 (IEC 60794-1-212:2024)

Osnova: EN IEC 60794-1-212:2024

ICS: 33.180.10

IEC 60794-1-212:2024 defines the test procedure to examine the attenuation behaviour (change in attenuation) when an optical fibre cable with cable elements fixed at both ends is subjected to temperature cycling. This test assesses the attenuation behaviour of a cable under a no-end movement condition intended for termination with, for example, interconnecting devices or passive components. This document partially cancels and replaces IEC 60794-1-22:2017. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to IEC 60794-1-22:2017:

- a) the description of the test method has been changed to "with cable elements fixed at both ends";
- b) subclauses have been added to the procedure clause;
- c) the preparation of cable sample and test set-up has been arranged in a logical way;
- d) Figure 1 has been added for illustration of the preparation of cable sample, DUT and test set-up;
- e) the temperature chamber temperature tolerance has been changed to ± 3 °C as done in IEC 60794-1-22, method F1;
- f) all required steps have been added to the subclause for temperature cycling as well as the table for the minimum soak time and the figure for the cycle procedure, and removed the reference to IEC 60794-1-22, method F1;
- g) the maximum change in attenuation has been added to the details to be specified;
- h) a new subclause 4.5 has been added for details to be reported.

SIST EN IEC 60794-1-217:2024

2024-07 (po) (en) **21 str. (F)**

Optični kabli - 1-217. del: Splošna specifikacija - Osnovni preskusni postopki za optične kable - Okoljske preskusne metode - Krčenje kabla (izbočena vlakna), metoda F17 (IEC 60794-1-217:2024)
Optical fibre cables - Part 1-217: Generic specification - Basic optical cable test procedures - Environmental test methods - Cable shrinkage (fibre protrusion), Method F17 (IEC 60794-1-217:2024)

Osnova: EN IEC 60794-1-217:2024

ICS: 33.180.10

IEC 60794-1-217:2024 series defines the test procedure to measure the permanent fibre protrusion compared to the cable elements and cable sheath due to thermal exposure of a cable. This document

partially replaces IEC 60794-1-22:2017. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to IEC 60794-1-22:2017:

- a) added clarification in the objective that the purpose of this test procedure is to measure the permanent fibre protrusion of cables without rigid strength members;
- b) replaced the reference to method F1 for the apparatus with a detailed description for the temperature chamber and temperature sensing device as done in IEC 60794-1-211;
- c) added a measuring device in the subclause for apparatus;
- d) added conditioning before cutting the cable sample as done in IEC 60794-1-211
- e) added all required steps in the subclause for temperature cycling as well as the table for the minimum soak time and the figure for the cycle procedure, and removed the reference to IEC 60794-1-22, method F1;
- f) improved the figures and added a figure for preparation of the cable sample;
- g) added the informative Annex A for the test procedure recommended for cables with rigid strength members.

SIST EN IEC 60875-1:2024

2024-07 (po) (en) **19 str. (E)**

Optični spojni elementi in pasivne komponente - Valvnodolžinsko neselektivni optični sklopniki - 1. del: Splošna specifikacija (IEC 60875-1:2024)

Fibre optic interconnecting devices and passive components - Non-wavelength-selective fibre optic branching devices - Part 1: Generic specification (IEC 60875-1:2024)

Osnova: EN IEC 60875-1:2024

ICS: 33.180.20

This part of IEC 60875 applies to non-wavelength-selective fibre optic branching devices, all exhibiting the following features:

- they are passive, in that they contain no optoelectronic or other transducing elements;
- they have three or more ports for either the entry or exit, or both, of optical power, and share optical power among these ports in a predetermined fashion;
- the ports are optical fibres, or optical fibre connectors.

This document establishes uniform requirements for the optical, mechanical and environmental properties.

SIST EN IEC 61300-1:2022/A1:2024

2024-07 (po) (en) **18 str. (E)**

Optični spojni elementi in pasivne komponente - Osnovni preskusni in merilni postopki - 1. del:

Splošno in smernice - Dopolnilo A1 (IEC 61300-1:2022/AMD1:2024)

Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 1: General and guidance (IEC 61300-1:2022/AMD1:2024)

Osnova: EN IEC 61300-1:2022/A1:2024

ICS: 33.180.20

Amandma A1:2024 je dodatek k standardu SIST EN IEC 61300-1:2022.

This part of IEC 61300 provides general information and guidance for the basic test and measurement procedures defined in the IEC 61300-2 series and IEC 61300-3 series for interconnecting devices, passive components, mechanical splices, fusion splice protectors, fibre management systems and protective housings.

This standard is used in combination with the relevant specification which defines the tests to be used, the required degree of severity for each of them, their sequence, if relevant, and the permissible performance limits. In the event of conflict between this basic standard and the relevant specification, the latter takes precedence.

SIST EN IEC 61753-082-02:2024**2024-07 (po) (en) 18 str. (E)**

Optični spojni elementi in pasivne komponente - Tehnični standard - 082-02. del: Naprave WWDM (širokopasovni multipleks) s svitkastim enorodovnim optičnim vlaknom 1,31/1,55 μm za kategorijo C - Notranje nadzorovano okolje (IEC 61753-082-02:2024)

Fibre optic interconnecting devices and passive components - Performance standard - Part 082-02: Pigtailed single-mode fibre optic 1,31/1,55 μm WWDM devices for category C - Indoor controlled environment (IEC 61753-082-02:2024)

Osnova: EN IEC 61753-082-02:2024

ICS: 33.180.20

IEC 61753-082-02:2024 contains the minimum initial test, measurement requirements and severities which a fibre optic 1,31/1,55 μm wide wavelength division multiplexing (WWDM) device satisfies in order to be categorised as meeting the requirements of category C (indoor controlled environment), as defined in IEC 61753-1:2018, Annex A. WWDM is defined in IEC 62074-1. This first edition cancels and replaces the first edition of IEC 61753-082-2 published in 2008. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition:

a) change of test conditions harmonizing with IEC 61753-1.

SIST EN IEC 61755-3-1:2024**2024-07 (po) (en) 27 str. (G)**

Optični spojni elementi in pasivne komponente - Vmesniki optičnih konektorjev - 3-1. del: Parametri konektorjev za disperzijsko nespremenjena optična vlakna z nekotnim fizičnim stikom 2,5 mm in cirkonijevimi cilindričnimi tulkami premera 1,25 mm (IEC 61755-3-1:2024)

Fibre optic interconnecting devices and passive components - Connector optical interfaces - Part 3-1: Connector parameters of dispersion unshifted single-mode physically contacting fibres - non-angled 2,5 mm and 1,25 mm diameter cylindrical full zirconia ferrules (IEC 61755-3-1:2024)

Osnova: EN IEC 61755-3-1:2024

ICS: 33.180.20

IEC 61755-3-1:2024 defines the dimensional limits of the optical interface that are necessary for single-mode fibre optic connectors with 2,5 mm or 1,25 mm diameter cylindrical zirconia (ZrO₂) ferrules to meet the specific requirements for fibre-to-fibre interconnection, as defined in IEC 61755-2-1. Ferrules made from the material specified in this document are suitable for use in all the operating service environments defined in IEC 61753-1. Ferrule dimensions and features are contained in the IEC 61754 series of fibre optic connector interface standards.

This second edition cancels and replaces the first edition published in 2006. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition:

a) normative references have been added;

b) the introduction of an additional optical interface with a different fibre core eccentricity profile. The previous revision of optical interface standard is named "Variant 1: with fibre core axis oriented towards the connector guide key". The additional optical interface is named "Variant 2: with fibre core axis not oriented towards the connector guide key";

c) statements added related to interoperability, where both variants remain intermateable within a given performance grade and backwards compatible to IEC 61755-3-1:2006;

d) The addition of Grade B and Grade C interface requirements for both variants;

e) The addition of a descriptive statistic for the mean fibre core eccentricity (mean value) to describe the distribution of fibre core eccentricity to ensure interoperability;

f) A new informative Annex B to give guidance on the expected attenuation when mated to a reference connector plug;

g) A new informative Annex C to give guidance related to the simulation of optical interface attenuation;

h) A new informative Annex D to give guidance related to estimation of mean fibre eccentricity limits for finite production batch sizes.

SIST EN IEC 61755-3-2:2024

2024-07 (po) (en) **26 str. (F)**

Optični spojni elementi in pasivne komponente - Vmesniki optičnih konektorjev - 3-2. del: Parametri konektorjev za disperzijsko nespremenjena optična vlakna s kotnim fizičnim stikom 2,5 mm in cirkonijskimi cilindričnimi tulkami premera 1,25 mm (IEC 61755-3-2:2024)

Fibre optic interconnecting devices and passive components - Connector optical interfaces - Part 3-2: Connector parameters of dispersion unshifted single-mode physically contacting fibres - angled 2,5 mm and 1,25 mm diameter cylindrical full zirconia ferrules (IEC 61755-3-2:2024)

Osnova: EN IEC 61755-3-2:2024

ICS: 33.180.20

IEC 61755-3-2:2024 defines the dimensional limits of the optical interface that are necessary for single-mode fibre optic connectors with 2,5 mm or 1,25 mm diameter cylindrical zirconia (ZrO₂) ferrules polished at an 8° angle to meet the specific requirements for fibre-to-fibre interconnection, as defined in IEC 61755-2-2. Ferrules made from the material specified in this standard are suitable for use in all the operating service environments defined in IEC 61753-1. Ferrule dimensions and features are contained in the IEC 61754 series of fibre optic connector interface standards. This second edition cancels and replaces the first edition published in 2006. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition:

- a) normative references have been added;
- b) The introduction of an additional optical interface with a different fibre core eccentricity profile. The previous revision of optical interface standard is named "Variant 1: with fibre core axis oriented towards the connector guide key".
The additional optical interface is named "Variant 2: with fibre core axis not oriented towards the connector guide key";
- c) statements added related to interoperability, where both variants remain intermateable within a given performance grade and are fully backwards compatible to IEC 61755-3-2:2006;
- d) The addition of Grade B and Grade C interface requirements for both variants;
- f) The addition of a descriptive statistic for the mean fibre core eccentricity (mean value) to describe the distribution of fibre core eccentricity to ensure interoperability;
- g) A new informative Annex B to give guidance on the expected attenuation when mated to a reference connector plug;
- h) A new informative Annex D to give guidance related to estimation of mean fibre eccentricity limits for finite production batch sizes.

SIST EN IEC 61757-7-3:2024

2024-07 (po) (en) **45 str. (I)**

Optični senzorji - 7-3. del: Merjenje napetosti - Polarimetrijska metoda (IEC 61757-7-3:2024)

Fibre optic sensors - Part 7-3: Voltage measurement - Polarimetric method (IEC 61757-7-3:2024)

Osnova: EN IEC 61757-7-3:2024

ICS: 33.180.99

IEC 61757-7-3:2024 defines the terminology, structure, and performance characteristics of fibre optic voltage sensors using a polarimetric measurement method. The document specifies test methods and procedures for measuring key performance parameters of these sensors. It addresses only the voltage sensing element and not the additional devices that are unique to each application. The document does not specify the required performance values of optical polarimetric fibre optic voltage sensors, because these specifications depend on the designated application of the sensor and are typically defined by the user of the sensor. The required performance values are usually defined when designing a sensor for a specific application.

SIST EN IEC 61978-1:2024**2024-07 (po) (en) 28 str. (G)**

Optični spojni elementi in pasivne komponente - Optični pasivni kompenzatorji barvne razpršenosti - 1. del: Splošna specifikacija (IEC 61978-1:2024)

Fibre optic interconnecting devices and passive components - Fibre optic passive chromatic dispersion compensators - Part 1: Generic specification (IEC 61978-1:2024)

Osnova: EN IEC 61978-1:2024

ICS: 33.180.20

This part of IEC 61978 applies to fibre optic passive chromatic dispersion compensators, all exhibiting the following features:

- they are optically passive;
- they have an optical input and an optical output for transmitting optical power;
- the ports are optical fibres or optical fibre connectors;
- they are wavelength sensitive;
- they can be polarization sensitive.

This document establishes uniform requirements for the passive chromatic dispersion compensator.

SIST/TC NAD Naftni proizvodi, maziva in sorodni proizvodi**SIST EN 16300:2024**

SIST EN 16300:2012

2024-07 (po) (en;fr;de) 11 str. (C)

Goriva za motorna vozila - Določanje jodnega števila v metilnih estrih maščobnih kislin (FAME) -

Računska metoda iz podatkov pridobljenih s plinsko kromatografijo

Automotive fuels - Determination of iodine value in fatty acid methyl esters (FAME) - Calculation method from gas chromatographic data

Osnova: EN 16300:2024

ICS: 75.160.20

This European Standard specifies a calculation procedure for the determination of iodine value ("CIV" - "calculated iodine value"), of fatty acid methyl esters (FAME) to be used either as automotive or heating fuel for diesel engines as specified in EN 14214 [2] or as an extender for automotive fuel for diesel engines as specified in EN 590 [4].

This procedure has originally been described in Annex B of EN 14214:2008 [2]. The calculation procedure is now specified for methyl esters between C14 and C24. The calculation procedure uses as data entry the results from the gas chromatography determination (GC) according to EN 14103 of individual fatty acid methyl esters and is based on AOCS recommended practice Cd 1c – 85 for the determination of the iodine value of edible oil from its fatty acid composition. It is important to recognise that the latest version of EN 14103 is to be used for the determination of individual FAME components.

NOTE 1 Experience from the field and from several precision evaluation campaigns in Germany and elsewhere indicates that the results of the determination of iodine value by calculation specified here are very close to results obtained by titration with Wijs solvent according to EN 14111. Observed small differences were always found to be smaller than the reproducibility published in the actual EN 14111.

For informative purposes only, but not for cases of dispute, EN 14331 [5] may also be used to extract the FAME contents from FAME containing diesel fuels (like B5, B7, B30, etc.) and to use the contents of the individual FAME components from this method as data entry for the calculation specified in this European Standard.

In principle, other fatty acid alkyl esters can also be analysed. However, neither the close correlation to the titration method EN 14111 has been verified nor is any precision information available for such an extension of application range.

NOTE 2 For the purposes of this European Standard, the term "% (m/m)" is used to represent the mass fraction, μ , of a material.

SIST EN ISO 23581:2024

2024-07 (po) (en;fr;de) **25 str. (F)**

Naftni in sorodni proizvodi - Določanje kinematične viskoznosti - Metoda z viskozimetrom po Stabingerju (ISO 23581:2024)

Petroleum products and related products - Determination of kinematic viscosity - Method by Stabinger type viscometer (ISO 23581:2024)

Osnova: EN ISO 23581:2024

ICS: 75.080

This document specifies a procedure for the determination of kinematic viscosity (ν) at 40 °C in the range from 2 mm²/s to 6 mm²/s by calculation from dynamic viscosity (η) and density (ρ) of middle distillate fuels, fatty acid methyl ester fuels (FAME) and mixtures of these using the Stabinger type viscosimeter.

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

SIST/TC OCE Oprema za ceste

SIST EN 12368:2024

SIST EN 12368:2015

2024-07 (po) (en;fr;de) **36 str. (H)**

Oprema za nadzor in vodenje cestnega prometa - Signalne luči

Traffic control equipment - Signal heads

Osnova: EN 12368:2024

ICS: 93.080.30

This document applies to signal heads with one or more signal lights of the colours red, yellow and/or green signal lights for road traffic with 200 mm and 300 mm roundels and to optical units to be integrated in signal heads to produce the individual signal lights. It defines the product characteristics for the visual, structural, environmental performances and testing of signal heads and optical units for pedestrian and road traffic use, and the rules for the evaluation of the conformity of these products.

This document can be partly or fully applied on a voluntary basis to other signal heads outside of the scope specified above like for instance white optical units or small signal heads with a diameter smaller than 200 mm.

SIST EN 17383:2024

2024-07 (po) (en;fr;de) **14 str. (D)**

Protihrupne ovire za cestni promet - Trajnostnost: Deklariranje ključnih kazalnikov lastnosti (KPI)

Road traffic noise reducing devices - Sustainability: Key Performance Indicators (KPIs) Declaration

Osnova: EN 17383:2024

ICS: 93.080.30

This document provides Product Category Rules (PCR) for the declaration of the Sustainability of RTNRDs according to EN 15804:2012+A2:2019.

SIST/TC OGS Ogrevanje, hlajenje in prezračevanje stavb

SIST EN 1751:2024

SIST EN 1751:2014

2024-07 (po) (en;fr;de) **30 str. (G)**

Prezračevanje stavb - Naprave za vtok in odtok zraka - Aerodinamično preskušanje dušilnikov in loput

Ventilation for buildings - Air terminal devices - Aerodynamic testing of damper and valves

Osnova: EN 1751:2024

ICS: 91.140.30

This document specifies methods for the testing and rating of dampers and valves used in air distribution systems with pressure differences up to 2 000 Pa.

The tests incorporated in this document will address:

- leakage past a closed damper or valve (for classification see Annex C);
- casing leakage (for classification see Annex C);
- flow rate/pressure requirement characteristics;
- torque: (see Annex A);
- thermal transmittance: (see Annex B).

The acoustic testing of dampers and valves is not included in this document. The tests specified above apply to the following:

- measurement of leakage past a closed damper or valve;
- measurement of casing leakage;
- determination of flow rate and pressure requirements;
- measurement of torque characteristics (see Annex A);
- measurement of thermal transfer characteristics to determine insulation properties (see Annex B).

NOTE Certain aspects of the dynamic performance of dampers and/or valves are dependent upon the air distribution system to which they are connected and are, therefore, difficult to measure in isolation. Such considerations have led to the omission of these aspects of the dynamic performance measurements from this document. Also, in common with other air distribution components, the results from tests carried out in accordance with this document may not be directly applicable if the damper or valve is situated in an area of non-uniform flow.

SIST EN 17956:2024

2024-07 (po) (en;fr;de) **29 str. (G)**

Razredi energijske učinkovitosti za tehnične izolacijske sisteme - Računska metoda in uporaba
Energy efficiency classes for technical insulation systems - Calculation method and applications

Osnova: EN 17956:2024

ICS: 91.140.30, 91.140.10, 91.120.10

This document covers technical insulation systems of operational installations in industry and the building services, such as pipes, ducts, vessels, equipment and built-in components.

The document contains methods for the energy efficiency classification of insulation systems for above-mentioned components with an operational temperature range of -30 °C up to 650 °C.

The document addresses plant operators, engineers of operational installations as well as the involved contractors such as insulation contractors and pipefitting contractors.

The design of safe surface temperatures for personnel protection is outside the scope of this document. This document also does not apply to heating, cooling and ventilation systems in buildings and does not apply to directly buried district heating and district cooling pipes.

SIST/TC OTR Izdelki za otroke

SIST EN 1273:2021+A1:2024

SIST EN 1273:2021/kFprA1:2023

SIST EN 1273:2021

2024-07 (po-nd) (en;fr;de) **66 str. (K)**

Izdelki za otroke - Hojce - Varnostne zahteve in preskusne metode (vključno z dopolnilom A1)
Child care articles - Baby walking frames - Safety requirements and test methods

Osnova: EN 1273:2020+A1:2023

ICS: 97.190

This document specifies safety requirements and test methods for baby walking frames into which a child is placed, and intended to be used from when the child is able to sit up by itself until the child is able to walk by itself.

This document does not apply to baby walking frames for therapeutic and curative purposes and to those baby walking frames relying on inflatable parts to support the child.

Toys (e.g. ride on toys, push-along toys, usually intended for children able to walk unaided) are not covered by this document.

If a baby walking frame has several functions or can be converted into another function the relevant European standards apply to it.

SIST EN 13209-1:2024

SIST EN 13209-1:2022

2024-07 (po-nd) (en;fr;de) 30 str. (G)

Izdelki za otroke - Oprema za nošenje otrok - Varnostne zahteve in preskusne metode - 1. del:
Nahrbtniki z ogrodjem

Child care articles - Child carriers - Safety requirements and test methods - Part 1: Framed back carrier

Osnova: EN 13209-1:2022

ICS: 97.190

This document specifies the safety requirements and test methods for child back carriers with framed support to carry a child in a seated position. Framed back carriers are intended for children from 6 months of age up to a maximum weight of 18 kg and are designed to carry the child on the carer's back and be attached to a carer's torso allowing a hands-free operation, e.g. standing, walking.

NOTE The rationales for the inclusion of some of the requirements given in this document are given in Annex B.

This document does not cover framed back carriers designed for children with special needs.

If the framed back carrier has other functions not covered in this document, reference should be made to the relevant European Standard.

SIST EN 14344:2024

SIST EN 14344:2005

2024-07 (po-nd) (en;fr;de) 83 str. (M)

Izdelki za otroke - Otroški sedeži za kolesa - Varnostne zahteve in preskusne metode

Child care articles - Child seats for cycles - Safety requirements and test methods

Osnova: EN 14344:2022

ICS: 43.150, 97.190

This document specifies requirements for child seats intended to be mounted on cycles and electrical power assisted cycles with a cut off speed of up to 25 km/h (i.e. according to EN 15194), their attachment system and accessories intended to be attached to the seat in order to transport children with a weight from 9 kg up to 22 kg and who are capable of sitting unaided.

NOTE 1 Some European countries have special legislation for child seats for cycles.

NOTE 2 Where a child seat or any part of the child seat has several functions or can be converted into another function, other relevant standards might be applicable.

SIST EN 16232:2013+A2:2024

SIST EN 16232:2013/oprA2:2022

SIST EN 16232:2013+A1:2018

2024-07 (po-nd) (en;fr;de) 69 str. (K)

Izdelki za otroke - Gugalnice za dojenčke (vključno z dopolnilom A2)

Child use and care articles - Infant swings

Osnova: EN 16232:2013+A2:2023

ICS: 97.190

This European Standard specifies safety requirements and the corresponding test methods for infant swings intended for children up to a weight of 9 kg or unable to sit up unaided.

If an infant swing has several functions or can be converted into another function, the relevant European Standards apply to it.

Swings falling under the scope of EN 71-8 are excluded from the scope of this European Standard.

SIST EN 1888-1:2019+A1:2024SIST EN 1888-1:2019/kFprA1:2021
SIST EN 1888-1:2019**2024-07 (po-nd) (en;fr;de) 115 str. (N)**

Izdelki za otroke - Otroški vozički - 1. del: Otroški vozički s sedežem in otroški vozički s košaro (vključno z dopolnilom A1)

Child care articles - Wheeled child conveyances - Part 1: Pushchairs and prams

Osnova: EN 1888-1:2018+A1:2022

ICS: 97.190

This European Standard specifies the safety requirements and test methods for pushchairs and prams, designed for the carriage of one or more children, up to 15 kg each and up to 20 kg for any integrated platform on which a child can stand.

This European Standard does not cover toys, baby carriers fitted with wheels; pushchairs and prams propelled by a motor and pushchairs and prams designed for children with special needs.

Where a pushchair or pram or any part of the pushchair or pram has several functions or can be converted into another function it is due to comply with relevant standard(s).

SIST EN 1888-2:2019+A1:2024SIST EN 1888-2:2019/kFprA1:2022
SIST EN 1888-2:2019**2024-07 (po) (en;fr;de) 12 str. (C)**

Izdelki za otroke - Otroški vozički - 2. del: Otroški vozički s sedežem za otroke, težke nad 15 kg do 22 kg (vključno z dopolnilom A1)

Child care articles - Wheeled child conveyances - Part 2: Pushchairs for children above 15 kg up to 22 kg

Osnova: EN 1888-2:2018+A1:2022

ICS: 97.190

This European Standard specifies the additional safety requirements and test methods for pushchairs, designed for the carriage of one or more children, above 15 kg and up to 22 kg each.

This European Standard applies in conjunction with and in addition to the European standard EN 1888-1 and it cannot be used separately.

SIST/TC OVP Osebna varovalna oprema**SIST EN 134:2024**

SIST EN 134:1998

2024-07 (po) (en;fr;de) 26 str. (F)

Oprema za varovanje dihal - Poimenovanje sestavnih delov

Respiratory protective devices - Nomenclature of components

Osnova: EN 134:2024

ICS: 01.040.13, 13.340.30

This document specifies the nomenclature for typical components of respiratory protective devices. It does not specify which or how many components are used and where they are located in the apparatus. The illustrations used are given as examples only for the identification of the different parts and the corresponding terms for facilitating the application. The terms and definitions used are given in EN ISO 16972:2020 and EN 135:1998.

The terms are given in the three official CEN languages.

SIST EN 14325:2018+A1:2024SIST EN 14325:2018
SIST EN 14325:2018/kprA1:2024**2024-07 (po) (en;fr;de) 33 str. (H)**

Varovalne obleke pred kemikalijami - Preskusne metode in zahteve za razvrščanje materialov za izdelavo varovalnih oblek, šivanje, spajanje in sestavljanje (vključno z dopolnilom A1)

Protective clothing against chemicals - Test methods and performance classification of chemical protective clothing materials, seams, joins and assemblages

Osnova: EN 14325:2018+A1:2024

ICS: 13.340.10

This European Standard specifies the performance classification and test methods for materials used in chemical protective clothing, including gloves and footwear. The gloves and boots should have the same chemical protective barrier requirements as the fabric when an integral part of the clothing. This is a reference standard to which chemical protective clothing performance standards may refer in whole or in part, but this standard is not exhaustive in the sense that product standards may well require testing according to test method standards which are not included in this standard.

While these performance levels are intended to relate to the usage to which the chemical protective clothing is to be put, it is essential that the chemical protective clothing manufacturer or supplier indicate the intended use of the protective clothing and that the user (specifier) carries out a risk assessment in order to establish the correct performance level for the intended task.

SIST EN 813:2024

SIST EN 813:2008

2024-07 (po) (en;fr;de) 24 str. (F)

Osebna varovalna oprema za zaščito pred padci z višine - Sedežni pasovi

Personal fall protection equipment - Sit harnesses

Osnova: EN 813:2024

ICS: 13.340.60

This European Standard specifies requirements, testing, marking and manufacturer's instructions and information for sit harnesses to be used in restraint, work positioning and rope access systems, where a low point of attachment is required. Sit harnesses are not suitable to be used for fall arrest purposes.

SIST EN ISO 24231:2024

SIST EN 14360:2004

2024-07 (po) (en;fr;de) 17 str. (E)

Varovalna obleka - Zaščita pred dežjem - Metoda preskušanja za izdelana oblačila na učinek kapljic, ki z veliko energijo padajo od zgoraj (ISO 24231:2024)

Protective clothing - Protection against rain - Test method for ready-made garments against high-energy droplets from above (ISO 24231:2024)

Osnova: EN ISO 24231:2024

ICS: 59.080.01, 13.340.10

This document specifies a test method for determining the liquid tightness of clothing for protection against rain, using a static manikin exposed to large amount of high energy droplets from above. It is applicable to the testing of jackets, trousers, coats and one- or two-piece suits.

SIST/TC POD Prenapetostni odvodniki

SIST EN IEC 61643-332:2024

2024-07 (po) (en) 63 str. (K)

Sestavni deli za nizkonapetostne naprave za zaščito pred prenapetostnimi udari - 332. del: Izbira in načini uporabe za kovinsko-oksidge varistorje (MOV)

Components for low-voltage surge protection - Part 332: Selection and application principles for metal oxide varistors (MOV)

Osnova: EN IEC 61643-332:2024

ICS: 31.040.20, 29.120.50

IEC 61643-332:2024 describes the theory of operation, principles for the selection and application of MOVs to be connected to power lines or telecommunication or signalling circuits, up to 1 000 V AC or 1 500 V DC. These SPCs are designed to protect apparatus or personnel, or both, from high transient voltages. This document applies to MOVs having two electrodes and voltage dependents elements with or without disconnectors. It does not apply to assemblies that include MOVs and their influence on the MOV's characteristics. This standard specifically discusses the zinc-oxide type of MOVs.

SIST/TC POZ Požarna varnost

SIST EN 12845-3:2024

2024-07 (po) (en;fr;de) **38 str. (H)**

Vgrajene naprave za gašenje - Avtomatski sprinklerski sistemi - 3. del: Navodila za zaščito pred potresi

Fixed firefighting systems - Automatic sprinkler systems - Part 3: Guidance for earthquake bracing

Osnova: EN 12845-3:2024

ICS: 13.220.10, 91.120.25

This document specifies requirements for earthquake protection of automatic sprinkler systems in accordance with the EN 12845 series of standards. This document applies only to locations in earthquake zones in accordance to EN 1998-1:2004, 3.2.1 and for area subject to peak ground acceleration above 9 % of g. This document does not cover all legislative requirements. In certain countries specific national regulations apply and take precedence over this document. Users of this document are advised to inform themselves of the applicability or non-applicability for this document by their national responsible authorities

SIST/TC SKA Stikalni in krmilni aparati

SIST EN IEC 60947-1:2021/AC:2024

2024-07 (po) (en) **4 str. (AC)**

Nizkonapetostne stikalne in krmilne naprave - 1. del: Splošna pravila - Popravek AC (IEC 60947-1:2020/COR2:2024)

Low-voltage switchgear and controlgear - Part 1: General rules (IEC 60947-1:2020/COR2:2024)

Osnova: EN IEC 60947-1:2021/AC:2024-05

ICS: 29.130.20

Popravek k standardu SIST EN IEC 60947-1:2021.

This document applies, when required by the relevant product standard, to low-voltage switchgear and controlgear hereinafter referred to as "equipment" or "device" and intended to be connected to circuits, the rated voltage of which does not exceed 1 000 V AC or 1 500 V DC.

This document states the general rules and common safety requirements for low-voltage switchgear and controlgear, including:

- definitions;
- characteristics;
- information supplied with the equipment;
- normal service, mounting and transport conditions, decommissioning and dismantling;
- constructional and performance requirements;
- verification of characteristics and performance;
- energy efficiency aspects (see Annex V);
- environmental aspects.

This document does not apply to:

- low-voltage switchgear and controlgear assemblies which are dealt with in IEC 61439 series, as applicable;
- terminals for connection of aluminium conductors;

NOTE Terminals for aluminium conductors are under consideration for the next revision.

- use within explosive atmospheres (see IEC 60079 series);
- software and firmware requirements for functional safety application (see IEC 61508-3);
- cyber security aspects (see IEC 62443 series).

SIST EN IEC 62271-214:2024

2024-07 (po) (en) **36 str. (H)**

Visokonapetostne stikalne in krmilne naprave - 214. del: Razvrščanje notranjih oblokov pri stikalnih in krmilnih napravah AC, nameščenih na kovinskih drogovih, za naznačene napetosti nad 1 kV do vključno 52 kV (IEC 62271-214:2024)

High-voltage switchgear and controlgear - Part 214: Internal arc classification for AC metal-enclosed pole-mounted switchgear and controlgear for rated voltages above 1 kV and up to and including 52 kV (IEC 62271-214:2024)

Osnova: EN IEC 62271-214:2024

ICS: 29.130.10

IEC 62271-214:2024 specifies requirements for internal arc classification of AC metal-enclosed pole-mounted switchgear and controlgear with rated voltages above 1 kV and up to and including 52 kV with service frequencies up to and including 60 Hz. This document is applicable to three-phase, two-phase and single-phase open terminal equipment for which an internal arc classification is assigned. Enclosures may include fixed and removable components and may be filled with fluid (liquid or gas) to provide insulation. This second edition cancels and replaces the first edition published in 2019. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition:

- a) indicators positioning update;
- b) neutral earthing connection of the test circuit for three-phase tests;
- c) general review for consistency with IEC 62271-200, Ed.3.0:2021.

SIST/TC SPN Storitve in protokoli v omrežjih

SIST-TS ETSI/TS 102 232-5 V3.20.1:2024

2024-07 (po) (en) **29 str. (G)**

Zakonito prestrezanje (LI) - Izročilni vmesnik in storitveno specifične podrobnosti (SSD) za dostavo vsebin IP - 5. del: Storitveno specifične podrobnosti za večpredstavnostne storitve IP

Lawful Interception (LI) - Handover Interface and Service-Specific Details (SSD) for IP delivery - Part 5: Service-specific details for IP Multimedia services

Osnova: ETSI TS 102 232-5 V3.20.1 (2024-03)

ICS: 35.240.95

The present document specifies interception of Internet Protocol (IP) Multimedia (MM) Services based on the Session Initiation Protocol (SIP) and Realtime Transport Protocol (RTP) and Message Session Relay Protocol (MSRP) and IP MM services as described by the Recommendations ITU-T H.323 [6] and H.248-1 [i.3].

The present document is consistent with the definition of the Handover Interface, as described in ETSI TS 102 232-1 [2].

The present document does not override or supersede any specifications or requirements in 3GPP TS 33.108 [9] and ETSI TS 101 671 [1].

SIST-TS ETSI/TS 102 657 V2.3.1:2024

2024-07 (po) (en) **105 str. (N)**

Zakonito prestrezanje (LI) - Ravnanje z zadržanimi podatki - Izročilni vmesnik za zahtevo in izročanje zadržanih podatkov

Lawful Interception (LI) - Retained data handling - Handover interface for the request and delivery of retained data

Osnova: ETSI TS 102 657 V2.3.1 (2024-03)

ICS: 35.200, 33.040.40

The present document is based on requirements from ETSI TS 102 656 [2].

The present document contains handover requirements and a handover specification for the data that is identified in national legislations on Retained Data.

The present document considers both the requesting of retained data and the delivery of the results.

The present document defines an electronic interface. An informative annex describes how this interface may be adapted for manual techniques. Apart from in annex I, the present document does not consider manual techniques.

SIST-TS ETSI/TS 103 280 V2.12.1:2024

2024-07 (po) (en) 35 str. (H)

Zakonito prestrezanje (LI) - Slovar skupnih parametrov

Lawful Interception (LI) - Dictionary for common parameters

Osnova: ETSI TS 103 280 V2.12.1 (2024-04)

ICS: 33.040.35

The present document defines a dictionary of parameters that are commonly used in multiple TC LI specifications.

Aside from defining a dictionary, the present document aims to provide technical means for other specifications to use.

It is encouraged to use the present document in the development of new specifications.

It is foreseen that regular maintenance of the present document is required. As such, release management requirements will be defined.

Before accepting any new common parameter, the present document will provide a set of requirements the parameter has to comply to in order to become a common parameter.

SIST/TC STV Steklo, svetloba in razsvetljava v gradbeništvu

SIST EN 17871:2024

2024-07 (po) (en;fr;de) 12 str. (C)

Steklo v gradbeništvu - Spektrofotometrične značilnosti steklenih izdelkov - Validacijski postopek za računsko orodje

Glass in building - Spectrophotometric characteristics of glass products - Validation procedure for calculation tool

Osnova: EN 17871:2024

ICS: 81.040.20

This standard provides a procedure to validate a calculation tool of spectrophotometric and thermal characteristics of the glass products following EN 410 or EN 673. It provides also the methodology to correctly use measured data in the calculation tool.

The following characteristics are included in the scope of this standard:

- light transmittance (tv)
- light reflectance - both sides (rv, r'v)
- solar direct transmittance (te)
- solar direct reflectance – both sides (re, r'e)
- total solar energy transmittance (solar factor or g value) (g)
- thermal transmittance (U value) in the vertical position

The following characteristics are excluded from the scope of this standard:

- UV transmittance (tuv)
- shading coefficient (SC)
- general colour rendering index (Ra)
- thermal transmittance (U value) at angles other than vertical

SIST/TC TGO Trajnostnost gradbenih objektov

SIST EN 15941:2024

SIST-TP CEN/TR 15941:2011

2024-07 (po) (en;fr;de) **86 str. (M)**

Trajnostnost gradbenih objektov - Kakovost podatkov za okoljsko oceno proizvodov in gradbenih del - Izbor in uporaba podatkov

Sustainability of construction works - Data quality for environmental assessment of products and construction work - Selection and use of data

Osnova: EN 15941:2024

ICS: 13.020.20, 91.010.99, 35.240.67

This document supports the data quality assessment and selection of data for product-level Environmental Product Declarations (EPD) according to the core product category rules of EN 15804 and for the environmental performance assessment of buildings according to prEN 15978 1 in a consistent way. It can also be used to assess and select data for the environmental assessment of civil engineering works.

It defines data quality requirements with respect to temporal, technological and geographic representativeness for the data used to calculate the LCA based indicator results of the EPD and for construction works when applying EPD, life cycle inventory data or other LCA based information and generates a hierarchy to support the selection of the most appropriate data with regard to data quality. It also addresses the reporting of data quality at product and building level.

SIST/TC TOP Toplota

SIST EN 16783:2024

SIST EN 16783:2017

2024-07 (po) (en;fr;de) **18 str. (E)**

Toplotnoizolacijski proizvodi - Okoljske deklaracije za proizvode (EPD) - Pravila za kategorije proizvodov (PCR) za proizvode, izdelane v obratu in na mestu vgradnje, ki dopolnjujejo EN 15804

Thermal insulation products - Environmental Product Declarations (EPD) - Product Category Rules (PCR) complementary to EN 15804 for factory made and in-situ formed products

Osnova: EN 16783:2024

ICS: 13.020.20, 91.120.10

This document provides the product category rules (PCR) for Type III environmental declarations (as in EN 15804:2012+A2:2019+AC:2021) for factory made and in situ thermal insulation products.

Complementary to EN 15804:2012+A2:2019+AC:2021, the PCR described in this document:

- specify the declared unit to be used;
- define the system boundaries for thermal insulation products;
- specify/describe the default scenarios and rules for defining scenarios for certain life cycle information modules.

These PCR are intended to be used for cradle to gate, cradle to gate with options or cradle to grave assessment, provided the intention is properly stated in the system boundary description.

SIST EN 17886:2024

2024-07 (po) (en;fr;de) **17 str. (E)**

Toplotnoizolacijski izdelki - Vrednotenje odpornosti proti razvoju plesni - Laboratorijska preskusna metoda

Thermal insulation products - Assessment of the susceptibility to mould growth - Laboratory test method

Osnova: EN 17886:2023

ICS: 91.120.10

This document describes a laboratory test method to determine the susceptibility of thermal insulation products used for construction against mould growth under specified climatic conditions.

The method is applicable to both factory-made products and in situ formed products. Factory-made products include panels, mats and rolls.

NOTE In situ formed products are usually those that are delivered loose and installed by blowing-in, pouring, or spraying-on, eventually using water and/or binder, whether or not they are also treated using additives.

The test is carried out with one of the conditions described in Table 1.

This test method determines the susceptibility of a thermal insulation material to mould growth, but it does not determine the suitability for use in a given design (wall, roof, etc.).

This method does not predict the resistance of an insulation product to water damage.

SIST EN 17887-1:2024

2024-07 (po) (en;fr;de) **26 str. (F)**

Toplotne značilnosti stavb - Preskušanje dokončanih stavb na mestu vgradnje - 1. del: Zbiranje podatkov za preskus skupnih toplotnih izgub

Thermal performance of buildings - In situ testing of completed buildings - Part 1: Data collection for aggregate heat loss test

Osnova: EN 17887-1:2024

ICS: 91.120.10

This document specifies a test method for the in situ measurement of the thermal performance of buildings, both newly built and existing.

This document specifies the data to be collected during and after the test.

NOTE The analysis of the data and the reporting format for the analysis are referred to in prEN 17887-2:2022 Thermal performance of buildings - In situ testing of completed buildings - Part 2: Steady-state data analysis for aggregate heat loss test.

This document is applicable to domestic scale detached buildings and attached domestic scale buildings, such as semi-detached houses, terraced houses and apartments.

SIST EN 17887-2:2024

2024-07 (po) (en;fr;de) **53 str. (J)**

Toplotne značilnosti stavb - Preskušanje dokončanih stavb na mestu vgradnje - 2. del: Analiza podatkov v stanju dinamičnega ravnovesja za preskus skupnih toplotnih izgub

Thermal performance of buildings - In situ testing of completed buildings - Part 2: Steady-state data analysis for aggregate heat loss test

Osnova: EN 17887-2:2024

ICS: 91.120.10

This document specifies the steady-state data analysis methods to evaluate the data from 'the aggregate heat loss test'. These analysis methods enable the actual in situ aggregate heat loss (building heat transfer coefficient) to be estimated.

NOTE The aggregate heat loss method is specified in prEN 17887-1:2022 Thermal performance of buildings - In-situ testing of completed buildings - Part 1: Data collection for aggregate heat loss test.

SIST EN 17888-1:2024

2024-07 (po) (en;fr;de) **31 str. (G)**

Toplotne značilnosti stavb - Preskušanje gradbenih preskusnih struktur na mestu vgradnje - 1. del: Zbiranje podatkov za preskus skupnih toplotnih izgub

Thermal performance of buildings - In situ testing of building test structures - Part 1: Data collection for aggregate heat loss test

Osnova: EN 17888-1:2024

ICS: 91.120.10

This document specifies a test method for the in situ testing of the thermal performance of building structures especially built for the purpose of the test.

This document also specifies the apparatus to be used and the measurement procedures to collect the data and the reporting format for the apparatus including the building test structure and the test conditions.

NOTE The analysis of the data and the reporting format for the analysis are referred to in prEN 17888-2.

This document does not apply to:

- existing buildings;
- building structures allowing direct solar gains through glazing surfaces;
- the determination of the thermal performance of a specific building product, material, component or element.

SIST EN 17888-2:2024

2024-07 (po) (en;fr;de) 52 str. (J)

Toplotne značilnosti stavb - Preskušanje gradbenih preskusnih struktur na mestu vgradnje - 2. del:

Analiza podatkov v stanju dinamičnega ravnovesja za preskus skupnih toplotnih izgub

Thermal performance of buildings - In situ testing of building test structures - Part 2: Steady-state data analysis for aggregate heat loss test

Osnova: EN 17888-2:2024

ICS: 91.120.10

This document specifies the steady-state data analysis methods to evaluate the data from 'the aggregate heat loss test method'. These analysis methods enable the actual in situ aggregate heat loss (building heat transfer coefficient) to be estimated.

NOTE The aggregate heat loss method is specified in prEN 17888-1:2022, Thermal performance of buildings - In situ testing of building test structures - Part 1: Data collection for aggregate heat loss test.

SIST EN ISO 23766:2024

2024-07 (po) (en;fr;de) 16 str. (D)

Toplotnoizolacijski proizvodi za industrijske inštalacije - Določanje koeficienta linearne toplotne razteznosti pri temperaturah pod temperaturo okolja (ISO 23766:2022)

Thermal insulating products for industrial installations - Determination of the coefficient of linear thermal expansion at sub-ambient temperatures (ISO 23766:2022)

Osnova: EN ISO 23766:2024

ICS: 91.100.60

This document specifies the equipment and procedures for determining the coefficient of linear thermal expansion at sub-ambient temperatures (-196 °C to 25 °C), subject to the possible temperature limitation of the test specimens. It is not applicable to products which experience dimensional changes during the test due to the loss of hydration water or which undergo other phase changes.

SIST EN ISO 24194:2022/A1:2024

2024-07 (po) (en;fr;de) 9 str. (C)

Sončna energija - Polja sprejemnikov sončne energije - Preverjanje zmogljivosti - Dopolnilo 1 (ISO 24194:2022/Amd 1:2024)

Solar energy - Collector fields - Check of performance - Amendment 1 (ISO 24194:2022/Amd 1:2024)

Osnova: EN ISO 24194:2022/A1:2024

ICS: 27.160

Amandma A1:2024 je dodatek k standardu SIST EN ISO 24194:2022.

This document specifies a procedure to check a guaranteed performance of large collector fields. The collectors in the field can be glazed flat plate collectors or evacuated tube collectors.

The performance guaranteed and checked is the thermal power output of the collector field – the document specifies how to compare a measured output with a calculated one.

The document applies for all sizes of collector fields.

SIST/TC VAZ Varovanje zdravja

SIST EN 455-2:2024

2024-07 (po) (en;fr;de) 14 str. (D)

Medicinske rokavice za enkratno uporabo - 2. del: Zahteve in preskusi za ugotavljanje fizikalnih lastnosti

Medical gloves for single use - Part 2: Requirements and testing for physical properties

Osnova: EN 455-2:2024

ICS: 11.140

This document specifies requirements and gives test methods for physical properties of single-use medical gloves (i.e. surgical gloves and examination/procedure gloves) in order to ensure that they provide and maintain in use an adequate level of protection from cross contamination for both patient and user.

This document does not specify the size of a lot. Attention is drawn to the difficulties that can be associated with the distribution and control of very large lots. The recommended maximum individual lot size for production is 500 000.

SIST EN ISO 13408-1:2024

2024-07 (po) (en;fr;de) 91 str. (M)

Aseptična proizvodnja izdelkov za zdravstveno nego - 1. del: Splošne zahteve (ISO 13408-1:2023)

Aseptic processing of health care products - Part 1: General requirements (ISO 13408-1:2023)

Osnova: EN ISO 13408-1:2024

ICS: 11.080.01

This document specifies the general requirements for, and offers guidance on, processes, programs and procedures for development, validation and routine control of aseptic processing of health care products.

This document includes requirements and guidance relative to the overall topic of aseptic processing. Specific requirements and guidance on various specialized processes and methods related to sterilizing filtration, lyophilization, clean-in place (CIP) technologies, sterilization in place (SIP) and isolator systems are given in the other parts of the ISO 13408 series.

SIST EN ISO 17665:2024

2024-07 (po) (en;fr;de) 172 str. (R)

Sterilizacija izdelkov za zdravstveno nego - Vlažna toplota - Zahteve za razvoj, validacijo in rutinsko kontrolo sterilizacijskih postopkov za medicinske pripomočke (ISO 17665:2024)

Sterilization of health care products - Moist heat - Requirements for the development, validation and routine control of a sterilization process for medical devices (ISO 17665:2024)

Osnova: EN ISO 17665:2024

ICS: 11.080.01

This document provides requirements for the development, validation and routine control of moist heat sterilization processes for medical devices. It also contains guidance which is intended to explain the requirements set forth in the normative sections. The guidance given is intended to promote good practice related to moist heat sterilization processes according to this document. The application within industrial and health care settings is considered.

SIST EN ISO 23402-3:2024

2024-07 (po) (en;fr;de) 22 str. (F)

Zobozdravstvo - Prenosna dentalna oprema za začasno zdravstveno oskrbo - 3. del: Prenosna sukcijska (aspiracijska) oprema (ISO 23402-3:2024)

Dentistry - Portable dental equipment for use in non-permanent healthcare environment - Part 3: Portable suction equipment (ISO 23402-3:2024)

Osnova: EN ISO 23402-3:2024

ICS: 11.060.20

This document specifies terminology, classification, requirements and test methods for portable suction equipment primarily intended to be used by dental professionals in non-permanent healthcare environments.

This document applies to portable suction equipment incorporated in a portable dental unit and freestanding portable suction equipment.

The requirements in this document focus on portability.

This document specifies requirements for information to be supplied by the manufacturer on the performance, operation and maintenance of portable suction equipment designed and constructed to be transported for use in non-permanent healthcare environments. This document also specifies requirements for the instructions to be supplied by the manufacturer on assembling, disassembling and packing for human transport between non-permanent healthcare environments.

This document does not apply to stationary dental equipment, wearable equipment (such as headlamps and loupes), mobile dental equipment or portable dental equipment that is not intended to be used in non-permanent healthcare environments or not designed to be disassembled, folded or packed for human transport between non-permanent healthcare environments. Also, requirements for stationary dental equipment that can be installed in a dental mobile medical facility (e.g. vehicular or containerized mobile dental clinic) are not considered in this document.

This document specifies requirements for portable suction equipment used to provide reduced pressure and flow at the cannula connector.

This document does not apply to portable suction equipment used for life support or for scavenging halogenated anaesthetic gases.

SIST EN ISO 23500-3:2024

2024-07 (po) (en;fr;de) **26 str. (F)**

Priprava in vodenje kakovosti tekočin za hemodializo in podobne terapije - 3. del: Voda za hemodializo in podobne terapije (ISO 23500-3:2024)

Preparation and quality management of fluids for haemodialysis and related therapies - Part 3: Water for haemodialysis and related therapies (ISO 23500-3:2024)

Osnova: EN ISO 23500-3:2024

ICS: 11.040.40

This document specifies minimum requirements for water to be used in haemodialysis and related therapies.

This document includes water to be used in the preparation of concentrates, dialysis fluids for haemodialysis, haemodiafiltration and haemofiltration, and for the reprocessing of haemodialysers.

This document excludes the operation of water treatment equipment and the final mixing of treated water with concentrates to produce dialysis fluid. Those operations are the sole responsibility of dialysis professionals. This document does not apply to dialysis fluid regenerating systems.

SIST EN ISO 23500-4:2024

2024-07 (po) (en;fr;de) **31 str. (G)**

Priprava in vodenje kakovosti tekočin za hemodializo in podobne terapije - 4. del: Koncentrati za hemodializo in podobne terapije (ISO 23500-4:2024)

Preparation and quality management of fluids for haemodialysis and related therapies - Part 4: Concentrates for haemodialysis and related therapies (ISO 23500-4:2024)

Osnova: EN ISO 23500-4:2024

ICS: 11.040.40

This document specifies minimum requirements for concentrates used for haemodialysis and related therapies.

This document is addressed to the manufacturer of such concentrates. In several instances in this document, the dialysis fluid is addressed, which is made by the end user, to help clarify the requirements for manufacturing concentrates. Because the manufacturer of the concentrate does not have control over the final dialysis fluid, any reference to dialysis fluid is for clarification and is not a requirement of the manufacturer.

This document includes concentrates in both liquid and powder forms. It also includes additives, also called spikes, which are chemicals that can be added to the concentrate to supplement or increase the concentration of one or more of the existing ions in the concentrate and thus in the final dialysis fluid. This document also specifies requirements for equipment used to mix acid and bicarbonate powders into concentrate at the user's facility.

Concentrates prepared from pre-packaged salts and water at a dialysis facility for use in that facility are excluded from the scope of this document. Although references to dialysis fluid appear herein, this document does not address dialysis fluid as made by the end user. This document also excludes requirements for the surveillance frequency of water purity used for the making of dialysis fluid by the dialysis facility. This document does not address bags of sterile dialysis fluid or sorbent dialysis fluid regeneration systems that regenerate and recirculate small volumes of the dialysis fluid.

This document does not cover the dialysis fluid that is used to clinically dialyse patients. Dialysis fluid is covered in ISO 23500-5. The making of dialysis fluid involves the proportioning of concentrate and water at the bedside or in a central dialysis fluid delivery system. Although the label requirements for dialysis fluid are placed on the labelling of the concentrate, it is the user's responsibility to ensure proper use.

This document does not cover haemodialysis equipment, which is addressed in IEC 60601-2-16:2012. This document does not cover haemodialysis equipment, which is addressed in IEC 60601-2-16:2012.

SIST EN ISO 23500-5:2024

2024-07 (po) (en;fr;de) **20 str. (E)**

Priprava in vodenje kakovosti tekočin za hemodializo in podobne terapije - 5. del: Kakovost tekočin za hemodializo in podobne terapije (ISO 23500-5:2024)

Preparation and quality management of fluids for haemodialysis and related therapies - Part 5: Quality of dialysis fluid for haemodialysis and related therapies (ISO 23500-5:2024)

Osnova: EN ISO 23500-5:2024

ICS: 11.040.40

This document specifies minimum quality requirements for dialysis fluids used in haemodialysis and related therapies.

This document includes dialysis fluids used for haemodialysis and haemodiafiltration, including substitution fluid for haemodiafiltration and haemofiltration.

This document excludes the water and concentrates used to prepare dialysis fluid or the equipment used in its preparation. Those areas are covered by other International Standards.

Sorbent-based dialysis fluid regeneration systems that regenerate and recirculate small volumes of dialysis fluid, systems for continuous renal replacement therapy that use pre-packaged solutions, and systems and solutions for peritoneal dialysis are excluded from this document.

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

SIST EN 62841-2-11:2016/A11:2024

2024-07 (po) (en) **6 str. (B)**

Elektromotorna ročna orodja, prenosna orodja ter stroji za trato in vrt - Varnost - 2-11. del: Posebne zahteve za ročne povratne žage - Dopolnilo A11

Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 2-11: Particular requirements for hand-held reciprocating saws

Osnova: EN 62841-2-11:2016/A11:2024

ICS: 25.080.60, 25.140.20

Amandma A11:2024 je dodatek k standardu SIST EN 62841-2-11:2016.

This part of IEC 62841 applies to reciprocating saws such as jig saws and sabre saws.

SIST EN IEC 62841-2-6:2020/A1:2024

2024-07 (po) (en) **13 str. (D)**

Elektromotorna ročna orodja, prenosna orodja ter stroji za trato in vrt - Varnost - 2-6. del: Posebne zahteve za ročna kladiva - Dopolnilo A1

Amendment 1 - Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 2-6: Particular requirements for hand-held hammers

Osnova: EN IEC 62841-2-6:2020/A1:2024

ICS: 25.140.30, 25.140.20

Amandma A1:2024 je dodatek k standardu SIST EN IEC 62841-2-6:2020.

This part of IEC 62841 applies to hand-held hammers.

Tools covered by this document include percussion hammers and rotary hammers, including rotary hammers with the capability to rotate only with the percussion system disengaged (drill only mode).

This document does not apply to drills and impact drills.

NOTE 101 Drills and impact drills are covered by IEC 62841-2-1.

This document does not apply to tools that are designed exclusively for driving fasteners, such as palm nailers.

SIST EN IEC 62841-2-6:2020/A12:2024

2024-07 (po) (en) **7 str. (B)**

Elektromotorna ročna orodja, prenosna orodja ter stroji za trato in vrt - Varnost - 2-6. del: Posebne zahteve za ročna kladiva - Dopolnilo A12

Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 2-6: Particular requirements for hand-held hammers

Osnova: EN IEC 62841-2-6:2020/A12:2024

ICS: 25.140.30, 25.140.20

Amandma A12:2024 je dodatek k standardu SIST EN IEC 62841-2-6:2020.

This part of IEC 62841 applies to hand-held hammers.

Tools covered by this document include percussion hammers and rotary hammers, including rotary hammers with the capability to rotate only with the percussion system disengaged (drill only mode).

This document does not apply to drills and impact drills.

NOTE 101 Drills and impact drills are covered by IEC 62841-2-1.

This document does not apply to tools that are designed exclusively for driving fasteners, such as palm nailers.

SIST EN IEC 62841-4-6:2024

2024-07 (po) (en) **71 str. (L)**

Elektromotorna ročna orodja, prenosna orodja ter stroji za trato in vrt - Varnost - 4-6. del: Posebne zahteve za vrtno pihalnike, vrtno sesalnike in vrtno pihalnike/sesalnike

Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 4-6: Particular requirements for garden blowers, garden vacuums and garden blower/vacuums

Osnova: EN IEC 62841-4-6:2024

ICS: 65.060.70, 25.140.20

This clause of Part 1 is applicable, except as follows:

Addition:

This document applies to hand-held and backpack

- garden blowers;

- garden vacuums; and

- garden blower/vacuums.

This document does not apply to

- walk-behind garden blowers, walk-behind garden vacuums and walk-behind garden blower/vacuums;

- robotic garden blowers, robotic garden vacuums and robotic garden blower/vacuums; and

- vacuum cleaners intended primarily for use indoors, for water suction cleaning or animal grooming.

NOTE 101 Vacuum cleaners and water-suction cleaning appliances, including vacuum cleaners for animal grooming are covered by IEC 60335-2-2.

NOTE 102 Vacuum cleaners for commercial use are covered by IEC 60335-2-69.

SIST EN IEC 62841-4-6:2024/A11:2024

2024-07 (po) (en) 11 str. (C)

Elektromotorna ročna orodja, prenosna orodja ter stroji za trato in vrt - Varnost - 4-6. del: Posebne zahteve za vrtno pihalnike, vrtno sesalnike in vrtno pihalnike/sesalnike - Dopolnilo A11

Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 4-6: Particular requirements for garden blowers, garden vacuums and garden blower/vacuums

Osnova: EN IEC 62841-4-6:2024/A11:2024

ICS: 65.060.70, 25.140.20

Amandma A11:2024 je dodatek k standardu SIST EN IEC 62841-4-6:2024.

This clause of Part 1 is applicable, except as follows:

Addition:

This document applies to hand-held and backpack

- garden blowers;

- garden vacuums; and

- garden blower/vacuums.

This document does not apply to

- walk-behind garden blowers, walk-behind garden vacuums and walk-behind garden blower/vacuums;

- robotic garden blowers, robotic garden vacuums and robotic garden blower/vacuums; and

- vacuum cleaners intended primarily for use indoors, for water suction cleaning or animal grooming.

NOTE 101 Vacuum cleaners and water-suction cleaning appliances, including vacuum cleaners for animal grooming are covered by IEC 60335-2-2.

NOTE 102 Vacuum cleaners for commercial use are covered by IEC 60335-2-69.

SIST/TC VLA Vlaga

SIST EN ISO 21265:2024

2024-07 (po) (en;fr;de) 18 str. (E)

Tesnilne mase za stavbe in gradbene inženirske objekte - Ocena rasti glivic na površinah tesnilnih mas (ISO 21265:2021)

Building and civil engineering sealants - Assessment of the fungal growth on sealant surfaces (ISO 21265:2021)

Osnova: EN ISO 21265:2024

ICS: 91.100.50

This document specifies a method for the evaluation of the fungal growth on sealants which are used in joints in building construction.

SIST/TC VPK Vlazine, papir, karton in izdelki

SIST EN ISO 12625-16:2024

2024-07 (po) (en;fr;de) 20 str. (E)

Tissue (svileni) papir in proizvodi iz tissue papirja - 16. del: Ugotavljanje optičnih lastnosti - Metoda razpršene odsevnosti za opaciteto (papirna podlaga) (ISO 12625-16:2024)

Tissue paper and tissue products - Part 16: Determination of optical properties - Diffuse reflectance method for opacity (paper backing) (ISO 12625-16:2024)

Osnova: EN ISO 12625-16:2024

ICS: 85.080.20

ISO 12625-16:2015 specifies the testing procedures for the instrumental determination of the opacity of tissue paper or tissue products by diffuse reflectance using a paper backing.

ISO 12625-16:2015 contains specific instructions for the preparation of test pieces of single-ply and multi-ply products, where special preparation/procedures might be necessary.

It can be used to determine the opacity of tissue paper and tissue products containing fluorescent whitening agents, provided the UV content of the radiation incident on the test piece has been adjusted to conform to that in the CIE illuminant C using a fluorescent reference standard provided by an authorized laboratory as described in ISO 2470-1.

ISO 12625-16:2015 is not applicable to coloured tissue paper and tissue products which incorporate fluorescent dyes or pigments.

SIST EN ISO 12625-5:2024

2024-07 (po) (en;fr;de) **22 str. (F)**

Svileni (tissue) papir in proizvodi iz svilenega (tissue) papirja - 5. del: Ugotavljanje mokre natezne trdnosti (ISO 12625-5:2024)

Tissue paper and tissue products - Part 5: Determination of wet tensile strength (ISO 12625-5:2024)

Osnova: EN ISO 12625-5:2024

ICS: 85.080.20

ISO 12625-5:2016 specifies a test method for the determination of the wet tensile strength of tissue paper and tissue products after soaking with water, using a tensile-strength-testing apparatus operating with a constant rate of elongation.

Currently, two types of tensile-strength-testing apparatus are commercially available, one where the test piece is positioned vertically and, for the other, horizontally. This document applies for both. For vertical tensile-strength-testing apparatus, a device which is held in the lower grip of the tensile-strength-testing apparatus, called a Finch Cup, is used to achieve the wetting. For horizontal tensile-strength-testing apparatus, the soaking device is placed between the clamps.

In cases where impurities and contraries have to be determined, ISO 15755[6] applies for these detections in tissue paper and tissue products.

SS SPL Strokovni svet SIST za splošno področje

SIST-TS ISO/PAS 5643:2024

2024-07 (po) (en) **54 str. (J)**

Turizem in z njim povezane storitve - Zahteve in smernice za zmanjšanje širjenja bolezni covid-19 v turistični industriji

Tourism and related services - Requirements and guidelines to reduce the spread of Covid-19 in the tourism industry

Osnova: ISO/PAS 5643:2021

ICS: 03.200.01, 03.100.01

This document establishes requirements and recommendations for tourist organizations to prevent the spread of coronavirus SARS-CoV-2 in order to protect their employees' health from COVID-19 and to provide safer tourist services and products to tourists and residents.

NOTE – This document does not address after-work practices of employees.

This document applies to the whole tourism value chain, including the following 20 subsectors:

- accommodation
- adventure tourism and ecotourism
- beaches
- catering services
- golf services
- medical and wellness spas
- MICE tourism
- museums and heritage sites
- natural protected areas (NPAs)
- night leisure
- scuba diving
- ski areas
- theme and leisure parks

NOTEÂ Â This includes water parks, animal parks (zoos, aquariums, wildlife refuges) and family entertainment centres.

tourist transport

tourist guides

tourist visits

tourist information offices

travel agencies

unique public spaces

yacht harbours and nautical activities

Each tourist organization is expected to conform only to those measures that apply to the services that it offers, including the core requirements established in ClauseÂ 4, the relevant applicable subclause in ClauseÂ 5 and the relevant applicable ancillary services and facilities in ClauseÂ 6.

NOTEÂ Â The term tourist organization applies for all 20 subsectors.

SIST EN 17952:2024

2024-07 (po) (en;fr;de) **57 str. (J)**

Upravljanje vrednosti - Analiza funkcij, osnovne značilnosti: Zahteve in navodila za izvajanje in doseganje rezultatov

Value management - Function analysis, basic characteristics: Requirements and guidance for implementation and achieving deliverables

Osnova: EN 17952:2024

ICS: 03.100.40

The purpose of this document is to provide effective support to any person or entity wishing to improve its effectiveness in its activities in the definition, development and/or the realization of any action or project.

Function Analysis involves and relies upon a way of thinking, based on a continuous process, with a dedicated team that encourages the search for the goal and the need to be fulfilled, before looking for ways to achieve it that applies at any level and in any process.

Function Analysis (FA) firstly, defines the objective in a concise and clearly expressed way, independent of any solution, and secondly, provides support and assistance in the process to effectively achieve the defined need. FA activities supports enhanced teamwork, assists in gaining a consensus agreement and collaboration in the collective pursuit of the chosen goal.

Function Analysis was linked to Value Analysis, Value Engineering and Value Management. Today Function Analysis has become a stand-alone method and is used by many disciplines such, for example, as concurrent or simultaneous engineering, systems engineering and risk management. The practice of Function Analysis shall meet specific requirements to ensure the validity of the expected results and ensure their use in the intended usage context. Function Analysis is a fundamental component in assisting in the optimum performance of organizations, allowing the pursuit of opportunities while identifying and significantly reducing threats throughout the life cycle and beyond.

This document separately establishes the process requirements applicable to deliverables expected from the Function Analysis. Firstly, Functional Need Analysis and secondly the Technical Function Analysis. The Technical Function Analysis (with the product related functions) has to endeavour to fulfil all the user related functions identified from the Functional Need Analysis.

0.2 Function Analysis at the heart of Management

For any management activity it is imperative to differentiate systematically the two distinct areas, in one area, the goal to be achieved (the objective), and in the other area, the way to achieve it (the means and resources, the process or the solution).

Function Analysis, with its two distinct areas, provides an effective and strong methodological support at any level and in any field, when dealing with challenges of whatever complexity. It could be used for example, in strategy planning, business and project management, product and market development, or in any process of problem solving. It provides you with the opportunity to improve the performance of your organization.

It is important to have in mind, for any project or action, that the quality of the result or answer will be at best as good as the question or the quality of the definition of the proposed action.

For example, Function Analysis is fundamental, in many ways a formal requirement of any Value Management approach, Value Analysis or Value Engineering action.

0.3 Contributions for the different users of the standard

The Function Analysis approach can assist the different users in clarifying, understanding and helping to define and resolve problems of any nature in an organization. Function Analysis assists in interrogating and challenging in two areas, firstly by clarifying the goal to be achieved and need to be met (Functional Need Analysis), and secondly, searching, researching and establishing the best solution to the identified need and goal (Technical Function Analysis).

The benefits from effectively applying Functional Need Analysis include:

- the identification or description, in a concise language, without any ambiguity, the need to be satisfied for a given study subject (the aim to be reached);
- the assurance of improved communication between everyone in the team involved in the project, within a common vision, free from unnecessary specialist jargon.

The benefits of the Technical Function [...]

SIST EN 2559:2023/A1:2024

2024-07 (po) (en;fr;de) 4 str. (A)

Aeronavtika - Predimpregnirana ogljikova, steklena in aramidna vlakna - Ugotavljanje deleža smole in vlaken ter masa vlaken na enoto površine - Dopolnilo A1

Aerospace series - Carbon, glass and aramid fibre preimpregnates - Determination of the resin and fibre content and the mass of fibre per unit area

Osnova: EN 2559:2022/A1:2024

ICS: 49.025.40

Amandma A1:2024 je dodatek k standardu SIST EN 2559:2023.

This document specifies methods for determining the resin content, fibre content and mass of fibre per unit area of fibre preimpregnates for aerospace use.

SIST EN 3774-004:2024

2024-07 (po) (en;fr;de) 12 str. (C)

Aeronavtika - Odklopniki, tripolni, temperaturno kompenzirani, nazivni tok od 1 A do 25 A - 004. del: UNC-navojni priključki - Standard za proizvod

Aerospace series - Circuit breakers, three-pole, temperature compensated, rated currents 1 A to 25 A - Part 004: UNC thread terminals - Product standard

Osnova: EN 3774-004:2024

ICS: 29.120.50, 49.060

This document specifies the characteristics of three-pole circuit breakers, temperature compensated with a rated current from 1 A to 25 A, used in aircraft on-board circuits at a temperature between -55 °C and 125 °C for ratings ≤ 15 A and -55 °C to 90 °C for ratings > 15 A and at an altitude of 22 000 m max.

These circuit breakers are operated by a push-pull type single pushbutton (actuator), with delayed action "trip-free" tripping.

They will continue to function up to the short-circuit current.

SIST EN 4877-001:2024

2024-07 (po) (en;fr;de) 29 str. (G)

Aeronavtika - Kovinsko polnilo za varjenje - 001. del: Tehnična specifikacija

Aerospace series - Filler metals for welding - Part 001: Technical specification

Osnova: EN 4877-001:2024

ICS: 49.025.05, 25.160.20

This document specifies the requirements for the ordering, manufacture, testing, inspection and delivery of all forms of filler metal. It is presupposed to be applied when referred to and in conjunction with the product procurement specification unless otherwise specified on the drawing, order or inspection schedule.

SIST EN ISO 11427:2024**2024-07 (po) (en;fr;de) 12 str. (C)**

Nakit in plemenite kovine - Določevanje srebra v zlitinah srebra - Potenciometrična metoda z uporabo kalijevega bromida (ISO 11427:2024)

Jewellery and precious metals - Determination of silver in silver alloys - Potentiometry using potassium bromide (ISO 11427:2024)

Osnova: EN ISO 11427:2024

ICS: 39.060

This document specifies a volumetric method for the determination of silver on a material considered homogeneous. The silver content of the sample lies preferably between (100 and 999,0) parts per thousand (‰) by mass. Fineness above 999,0 ‰ can be determined using a spectroscopy method by difference (e.g. ISO 15096).

This method is intended to be used as the reference method for the determination of fineness in alloys covered by ISO 9202.

SIST EN ISO 12183:2024**2024-07 (po) (en;fr;de) 37 str. (H)**

Tehnologija jedrskih goriv - Kulometrična meritev plutonija z nadzorovanim potencialom (ISO 12183:2024)

Nuclear fuel technology - Controlled-potential coulometric measurement of plutonium (ISO 12183:2024)

Osnova: EN ISO 12183:2024

ICS: 27.120.30

ISO 12183:2016 describes an analytical method for the electrochemical assay of pure plutonium nitrate solutions of nuclear grade, with a total uncertainty not exceeding $\pm 0,2$ % at the confidence level of 0,95 for a single determination (coverage factor, $K = 2$). The method is suitable for aqueous solutions containing more than 0,5 g/L plutonium and test samples containing between 4 mg and 15 mg of plutonium. Application of this technique to solutions containing less than 0,5 g/L and test samples containing less than 4 mg of plutonium requires experimental demonstration by the user that applicable data quality objectives will be met.

For some applications, purification of test samples by anion exchange is required before measurement to remove interfering substances when present in significant amounts.

SIST EN ISO 16961:2024**2024-07 (po) (en;fr;de) 44 str. (I)**

Naftna in plinska industrija, vključno z nizkoogljično energijo - Notranji premazi in obloge jeklenih rezervoarjev za shranjevanje (ISO 16961:2024)

Oil and gas industries including lower carbon energy - Internal coating and lining of steel storage tanks (ISO 16961:2024)

Osnova: EN ISO 16961:2024

ICS: 25.220.99, 75.200

This document specifies requirements for surface preparation, materials, application, inspection and testing of internal coating lining systems that are intended to be applied on internal surfaces of steel storage tanks of crude oil, hydrocarbons and water for corrosion protection.

It covers both new construction and maintenance works of tank internal coating and lining as well as the repair of defective and deteriorated coating/lining.

This document also provides requirements for shop performance testing of the coated/lined samples and the criteria for their approval.

SIST EN ISO 22042:2021/A1:2024

2024-07 (po) (en;fr;de) **9 str. (C)**

Hladilniki in zamrzovalne omare za poklicno uporabo - Razvrstitev, zahteve in preskusni pogoji - Dopolnilo A1 (ISO 22042:2021/Amd 1:2024)

Blast chiller and freezer cabinets for professional use - Classification, requirements and test conditions - Amendment 1 (ISO 22042:2021/Amd 1:2024)

Osnova: EN ISO 22042:2021/A1:2024

ICS: 97.130.20

Amandma A1:2024 je dodatek k standardu SIST EN ISO 22042:2021.

This Standard specifies the requirements for the verification of performance and energy consumption of blast cabinets for professional use in commercial kitchens, hospitals, canteens, institutional catering and similar professional areas.

The appliances covered by this Standard are intended to rapidly cool down hot foodstuffs up to a load capacity of 300 kg.

SIST EN ISO 24161:2024

2024-07 (po) (en;fr;de) **23 str. (F)**

Upravljanje zbiranja in prevoza odpadkov - Slovar (ISO 24161:2022)

Waste collection and transportation management - Vocabulary (ISO 24161:2022)

Osnova: EN ISO 24161:2024

ICS: 13.030.01, 01.040.13

This document defines terms that are commonly used in the area of waste collection and transportation management. It aims to align with terminology used internationally.

SIST EN ISO 24808:2024

2024-07 (po) (en;fr;de) **18 str. (E)**

Storitve rekreativnega potapljanja - Zahteve za usposabljanje inštruktorjev za potapljanje z zaprtim dihalnim krogom (ISO 24808:2024)

Recreational diving services - Requirements for rebreather instructor training (ISO 24808:2024)

Osnova: EN ISO 24808:2024

ICS: 03.080.99, 03.200.99, 03.100.30

This document specifies requirements for rebreather instructor training programmes which provide the competencies required to be able to train rebreather divers.

This document specifies evaluation criteria for these competencies and specifies the requirements for four levels of rebreather instructor.

This document specifies the requirements under which training is provided, in addition to the general requirements for recreational diving service provision in accordance with ISO 24803.

SIST EN ISO 3164:2013/A1:2024

2024-07 (po) (en;fr;de) **9 str. (C)**

Stroji za zemeljska dela - Laboratorijsko ovrednotenje zaščite - Mejno področje deformacije - Dopolnilo A1 (ISO 3164:2013/Amd 1:2024)

Earth-moving machinery - Laboratory evaluations of protective structures - Specifications for deflection-limiting volume - Amendment 1 (ISO 3164:2013/Amd 1:2024)

Osnova: EN ISO 3164:2013/A1:2024

ICS: 53.100

Amandma A1:2024 je dodatek k standardu SIST EN ISO 3164:2013.

This International Standard specifies the deflection limiting volume (DLV) to be used when performing laboratory evaluations of structures which provide protection to operators of earth-moving machinery, as defined in ISO 6165.

SIST EN ISO 56008:2024**2024-07 (po) (en;fr;de) 85 str. (M)**

Upravljanje inovativnosti – Orodja in metode za merjenje inovativnega procesa – Napotki (ISO 56008:2024)

Innovation management - Tools and methods for innovation operation measurements - Guidance (ISO 56008:2024)

Osnova: EN ISO 56008:2024

ICS: 03.100.70, 03.100.40

Meaningful measurements that lead to timely learning, corrective actions and improvements are key to support the management of innovation activities in an organization to ensure its survival and beneficial evolution (i.e. enhanced competitiveness for businesses and/or enhanced effectiveness and relevance for public-oriented organizations).

This proposed Tools and Methods standard is complementary to the ISO56002 Innovation Management System standard. It will provide guidance for the definition, implementation, evaluation and further improvement of the measurements necessary to manage effectively innovation operations in an organization.

Specifically, this standard will guide:

- The planning for the alignment of innovation measurements to the organization's strategy, operational objectives and innovation management system;
- The selection of indicators to measure the progress of innovation activities and performance of the innovation portfolio.
- The design of ways to measure each indicator (via quantitative or qualitative metrics) in a clear and actionable way;
- The choice of frequency and expected performance targets for innovation measurements;
- The provision of necessary support to undertake innovation measurements efficiently and manage their evolution: funding, people, infrastructure, legal aspects, documentation and communications;
- The evaluation of measurement results, taking corrective action, learning and communicating;
- The review and update of the organization's innovation measurements in terms of effectiveness in achieving intended innovation results and minimizing risks.

The guidelines to innovation measurements provided by this standard will be useful for all types of organizations (irrespective of sector and size) and all types of innovations (independent of time horizons).

This standard provides guidance at a general level. While it gives some examples of measurements in use, it does not prescribe any specific tools, methods for innovation measurements or metrics.

SIST EN ISO 6185-3:2024**2024-07 (po) (en;fr;de) 42 str. (I)**

Napihljivi čolni - 3. del: Čolni z dolžino trupa, krajšo od 8 m in motorjem z močjo, večjo ali enako 15 kW (ISO 6185-3:2024)

Inflatable boats - Part 3: Boats with a hull length less than 8 m with a motor rating of 15 kW and greater (ISO 6185-3:2024)

Osnova: EN ISO 6185-3:2024

ICS: 47.080

This document specifies the minimum safety characteristics required for the design, materials, manufacture and testing of inflatable boats and rigid inflatable boats with a length of the hull LH in accordance with ISO 8666 less than 8 m with a motor power rating of 15 kW and greater.

This document is applicable to the following types of boats intended for use within the operating temperatures of -20 °C to +60 °C:

- Type VII: Powered boats, fitted with a buoyancy tube on the port and starboard sides, suitable for navigation in conditions of design categories C and D.
- Type VIII: Powered boats, fitted with a buoyancy tube on the port and starboard sides, suitable for navigation in conditions of design category B.

This document excludes single-chambered boats and boats with tubes made from unsupported materials, and does not apply to aquatic toys and inflatable liferafts.

Boats with tubes made from aluminium, roto-moulded polyethylene, fibre reinforced plastic or other rigid materials are excluded from this document.

SIST EN ISO 8804-1:2024

2024-07 (po) (en;fr;de) **17 str. (E)**

Zahteve za usposabljanje znanstvenih potapljačev - 1. del: Znanstveni potapljači (ISO 8804-1:2024)
Requirements for the training of scientific divers - Part 1: Scientific divers (ISO 8804-1:2024)

Osnova: EN ISO 8804-1:2024

ICS: 03.100.30

This document specifies minimum requirements for the training of scientific divers to undertake scientific diving.

This document specifies evaluation criteria for these competencies.

This document specifies the requirements under which training is provided, in addition to the general requirements for recreational diving service provision according to ISO 24803.

SIST EN ISO 8804-2:2024

2024-07 (po) (en;fr;de) **18 str. (E)**

Zahteve za usposabljanje znanstvenih potapljačev - 2. del: Napredni znanstveni potapljači (ISO 8804-2:2024)

Requirements for the training of scientific divers - Part 2: Advanced scientific divers (ISO 8804-2:2024)

Osnova: EN ISO 8804-2:2024

ICS: 03.100.30

This document specifies minimum requirements for the training of advanced scientific divers to undertake advanced scientific diving.

This document specifies evaluation criteria for these competencies.

This document specifies the requirements under which training is provided, in addition to the general requirements for recreational diving service provision in accordance with ISO 24803.

SIST EN ISO 8804-3:2024

2024-07 (po) (en;fr;de) **17 str. (E)**

Zahteve za usposabljanje znanstvenih potapljačev - 3. del: Vodja projekta znanstvenega potapljanja (ISO 8804-3:2024)

Requirements for the training of scientific divers - Part 3: Scientific diving project leader (ISO 8804-3:2024)

Osnova: EN ISO 8804-3:2024

ICS: 03.100.30

This document specifies minimum requirements for the training of scientific diving project leaders. This document specifies evaluation criteria for scientific diving project leaders.

This document specifies the requirements under which training is provided, in addition to the general requirements for recreational diving service provision in accordance with ISO 24803.

SIST-TP CEN ISO/TR 41016:2024

2024-07 (po) (en;fr;de) **45 str. (I)**

Upravljanje objektov in storitev - Pregled razpoložljivih tehnologij (ISO/TR 41016:2024)

Facility management - Overview of available technologies (ISO/TR 41016:2024)

Osnova: CEN ISO/TR 41016:2024

ICS: 03.080.10

This document provides an overview of the available facility management (FM) technologies. This document is applicable to facility managers, their teams and their stakeholders. It aligns specifically with ISO/TR 41013, the ISO 19650 series and the ISO 41000 family of standards as part of an integrated framework to achieve FM best practice.

This document outlines various long-term benefits and enhanced value that can be derived progressively by the operators, occupants and owners of facilities, worldwide, via the effective application of technology. This document includes, defines and categorises systems, equipment, methodologies and software applications that are available.

This framework defines how facility managers can understand and integrate digital practice and technologies in the built environment.

SIST-TS CEN/TS 17189:2024

2024-07 (po) (en;fr;de) **9 str. (C)**

Snovi iz izrabljenih avtomobilskih gum (ELTs) - Določanje prave gostote granulotov - Metoda, ki temelji na vodni piknometriji

Materials obtained from end of life tyres (ELTs) - Determination of the true density of granulates - Method based on water pycnometry

Osnova: CEN/TS 17189:2018

ICS: 83.160.01, 13.030.50

This Technical Specification sets out methods and test protocols used to determine the true density of granulates produced from ELTs based on water pycnometry.

SIST ISO 53800:2024

2024-07 (po) (en) **57 str. (J)**

Smernice za promocijo in uveljavitev enakosti spola ter opolnomočenje žensk

Guidelines on the promotion and implementation of gender equality and women's empowerment

Osnova: ISO 53800:2024

ICS: 03.100.02

This document gives guidance on how to promote and implement gender equality and women's empowerment. It offers guidelines for organizations to develop the capabilities to achieve a culture of gender equality and women's empowerment. The guidelines include the framework, resources, policies, tools and good practices enabling contextualization, promotion and implementation of gender equality. This document focuses on the inequality resulting from the gender specific roles assigned to women, girls, men and boys and is applicable to all types of organisations - public or private, regardless of their size, location and field of activity. This document does not address the specific aspects of relations with labour unions or work councils, countries specific compliance and legal requirements on gender diversity.

Note: Please refer to 3.5 (now) definition of gender and 3.21 (now) definition of diversity.

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

SIST EN 60317-67:2017/A1:2024

2024-07 (po) (en) **7 str. (B)**

Specifikacije za posebne vrste navijalnih žic - 67. del: Aluminijasta žica s pravokotnim prerezom, emajlirana s polivinil acetalom, razred 105 - Dopolnilo A1 (IEC 60317-67:2017/AMD1:2024)

Specifications for particular types of winding wires - Part 67: Polyvinyl acetal enamelled rectangular aluminium wire, class 105 (IEC 60317-67:2017/AMD1:2024)

Osnova: EN 60317-67:2017/A1:2024

ICS: 77.150.10, 29.060.10

Amandma A1:2024 je dodatek k standardu SIST EN 60317-67:2017.

This part of IEC 60317 specifies the requirements of enamelled rectangular aluminium winding wire of class 105 with a sole coating based on polyvinyl acetal resin, which may be modified providing it retains the chemical identity of the original resin and meets all specified wire requirements.

NOTE A modified resin is a resin that has undergone a chemical change, or contains one or more additives to enhance certain performance of application characteristics.

Wires of grade 1 and grade 2 are included in this part of IEC 60317 and apply to the complete range of conductors. The specified combinations of width and thickness as well as the specific ratio width/thickness are given in IEC 60317-0-9.

SIST EN IEC 60519-6:2024

2024-07 (po) (en) 70 str. (K)

Varnost pri električnih grelnih inštalacijah in elektromagnetni obdelavi - 6. del: Posebne zahteve za visokofrekvenčno dielektrično in mikrovalovno segrevanje in procesno opremo (IEC 60519-6:2022)
Safety in installations for electroheating and electromagnetic processing - Part 6: Particular requirements for high frequency dielectric and microwave heating and processing equipment (IEC 60519-6:2022)

Osnova: EN IEC 60519-6:2024

ICS: 25.180.10

This part of IEC 60519 is applicable to equipment using high frequency or microwave energy alone or in combination with other kinds of energy for industrial heating and processing of materials. It is also applicable to HF and MW generators made available to users as separate units.

This part is applicable to equipment operating in the frequency range 3 MHz to 300 GHz, with the following limitations.

- This standard applies to only high frequency dielectric heating and processing as defined in 3.1.103. It does not apply to induction heating, which it is possible to carry out in the lower part of the specified frequency band and is covered by IEC 60519-3, with magnetic field safety aspects addressed in IEC TS 62997:2017.

- The ISM centre frequencies for dielectric heating and processing of industrial interest are narrow bands about 6,78 MHz, 13,56 MHz, 27,12 MHz and 40,68 MHz. Different field emission measurement procedures and limiting values are applicable, depending on the processing frequency in the high frequency range 3 to 300 MHz. Specifications are in Annex BB.

- Since the wavelength of the high end of the microwave band at 300 GHz is very short and particular leakage measurement instrumentation is needed for the low end of the band, the microwave emission specification in Annex CC applies only for the ISM frequencies between 800 MHz and 6 GHz. The centre frequencies of these are 2,45 GHz and 5,8 GHz universally, and between 896 MHz and 918 MHz in some regions. For other microwave frequencies, IEC 62311:2019 applies.

- The foundations for compliance with emission values are the basic restrictions, referred to in the bibliography. However, maximum HF processing frequency electric and magnetic field values are taken from the IEEE/ANSI C95.1-2019 standard, as indicated in Annex BB.

- This standard is not applicable to:

- appliances for household and similar use (covered by e.g. IEC 60335-2-25:2020)

- commercial use (covered by IEC 60335-2-90:2015+AMD1:2019 and IEC 60335-2-110:2013+AMD1:2019)

- laboratory use (covered by IEC 61010-2-010:2019)

- medical high frequency equipment and accessories (covered by IEC 60601-2-2:2017)

NOTE 101 Since high frequency and microwave tunnel ovens and also some other types of microwave and high frequency equipment may be intended either for commercial, laboratory or industrial use, the following criteria are suitable for determination of the classification as industrial equipment:

- commercial equipment is typically designed and planned for series production of many identical units, whereas industrial equipment is typically produced in small series or even as single units. The processed goods are consumed or ready for final use at the end of the heating process.

- laboratory heating equipment is for preparing material in a laboratory environment, and the processed material is immediately available for investigations or further processing. Regular production of large quantities of material is not foreseen.

- with industrial equipment, the processed goods are not immediately accessible to the end user, and the goods may additionally not be in a final state from the perspective of the end user.

SIST EN IEC 60721-3-2:2018/AC:2024

2024-07 (po) (en) 3 str. (AC)

Klasifikacija okoljskih pogojev - 3-2. del: Razvrščanje skupin okoljskih parametrov in njihove resnosti - Transport in ravnanje - Popravek AC (IEC 60721-3-2:2018/COR3:2024)

Classification of environmental conditions - Part 3-2: Classification of groups of environmental parameters and their severities - Transportation and handling (IEC 60721-3-2:2018/COR3:2024)

Osnova: EN IEC 60721-3-2:2018/AC:2024-06

ICS: 19.040

Popravek k standardu SIST EN IEC 60721-3-2:2018.

This part of IEC 60721 classifies the groups of environmental parameters and their severities to which a product is subjected while being transported and handled.

The most commonly used methods of transportation and handling have been taken into account, including the following:

- road transport: cars, trucks;
- rail transport: trains, trams;
- water transport, inland and maritime: ships;
- air transport: aircraft, jet, propeller, helicopter;
- handling equipment: cranes, transport lifts, cableways, persons;
- conveyors;
- hand trollies.

The environmental conditions specified in this document are those that the product can be exposed to while transported and handled. If the product is packaged, the environmental conditions apply to the package containing the product. If the product is unpackaged, the environmental conditions apply to the product.

Conditions for storage are given in IEC 60721-3-1.

SIST EN IEC 60721-3-9:2024

2024-07 (po) (en) **20 str. (E)**

Klasifikacija okoljskih pogojev - 3-9. del: Razvrščanje skupin okoljskih parametrov in njihove resnosti - Mikroklima v izdelkih (IEC 60721-3-9:2024)

Classification of environmental conditions - Part 3-9: Classification of groups of environmental parameters and their severities - Microclimates inside products (IEC 60721-3-9:2024)

Osnova: EN IEC 60721-3-9:2024

ICS: 19.040

IEC 60721-3-9:2024 classifies groups of microclimatic conditions, to which components (basic parts, assemblies, built-in units) can be subjected inside products, which are used under the climatic conditions as classified in IEC 60721-3-3 and IEC 60721-3-4.

This second edition cancels and replaces the first edition published in 1993, Amendment 1:1994 and Corrigendum 1:1995. This edition constitutes a technical revision.

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

- a) Clause 2 has been updated;
- b) Clause 4 has been re-edited and simplified;
- c) Annex A has been revised and updated;
- d) a new Annex B has been added and gives the origin of the constitutional diagram for humid air, which is the basis of drawing the climatogram for a microclimate.

SIST EN IEC 61820-1-2:2024

2024-07 (po) (en) **37 str. (H)**

Električne inštalacije za razsvetljavo in radijske javljalnike na letališčih - 1-2. del: Temeljna načela - Posebne zahteve za zaporedna vezja (IEC 61820-1-2:2024)

Electrical installations for lighting and beaconing of aerodromes - Part 1-2: Fundamental principles - Particular requirements for series circuits (IEC 61820-1-2:2024)

Osnova: EN IEC 61820-1-2:2024

ICS: 93.120, 49.100, 29.140.50

IEC 61820-1-2:2024 describes requirements for AGL systems including power supplies, transformation of energy, cables, and any electrical component utilized to produce the light intended to be used as a visual aid for air and ground navigation based on IEC 61820-1, complemented with series circuit specific topics.

SIST EN IEC 62282-6-107:2024

2024-07 (po) (en) **16 str. (D)**

Tehnologije gorivnih celic - 6-107. del: Elektroenergetski sistemi z mikro gorivnimi celicami - Varnost - Trdne spojine, ki reagirajo z vodo (Podrazred 4.3) (IEC 62282-6-107:2024)

Fuel cell technologies - Part 6-107: Micro fuel cell power systems - Safety - Indirect water-reactive (Division 4.3) compounds (IEC 62282-6-107:2024)

Osnova: EN IEC 62282-6-107:2024

ICS: 27.070

IEC 62282-6-107:2024 covers micro fuel cell power systems, micro fuel cell power units and fuel cartridges using hydrogen produced from water-reactive (UN Division 4.3) compounds as fuel. These systems and units use proton exchange membrane (PEM) fuel cell technologies. The designs can include fuel processing subsystems to derive hydrogen gas from the water-reactive fuel formulation. This document only applies to water-reactive (UN Division 4.3) solid compounds which solely evolve hydrogen gas upon contact with water (or non-hazardous aqueous solutions). This document does not apply to compounds with a subsidiary hazard risk, or which are not permitted to be transported by air according to the International Civil Aviation Organization (ICAO) Technical Instructions.

SIST EN IEC 60118-0:2024

2024-07 (po) (en) **77 str. (L)**

Elektroakustika - Slušni aparati - 0. del: Meritve tehničnih karakteristik slušnih aparatov (IEC 60118-0:2022)

Electroacoustics - Hearing aids - Part 0: Measurement of the performance characteristics of hearing aids (IEC 60118-0:2022)

Osnova: EN IEC 60118-0:2024

ICS: 11.180.15, 17.140.50

IEC 60118-0:2022 gives recommendations for the measurement of the performance characteristics of air conduction hearing aids measured with an acoustic coupler or occluded ear simulator.

This document is applicable to the measurement and evaluation of the electroacoustical characteristics of hearing aids, for example for type testing and manufacturer data sheets.

This document is also applicable for the measurement of the performance characteristics of hearing aids for production, supply and delivery quality-assurance purposes.

The measurement results obtained by the methods specified in this document will express the performance under conditions of the measurement and can deviate substantially from the performance of the hearing aid under actual conditions of use.

This document primarily uses an acoustic coupler according to IEC 60318-5 which is only intended for loading a hearing aid with specified acoustic impedance and is not intended to reproduce the sound pressure in a person's ear. For measurements reflecting the output level in the normal human ear the occluded ear simulator according to IEC 60318-4 can be used. For extended high-frequency measurements and for deep insert hearing aids, the acoustic coupler according to IEC 60318-8 can be used.

This document also covers measurement of hearing aids with non-acoustic inputs, such as wireless, inductive or electrical input.

This document does not cover the measurement of hearing aids for simulated in situ working conditions, for which IEC 60118-8 can be applied.

This document does not cover the measurement of hearing aids under typical user settings and using a speech-like signal, for which IEC 60118-15 can be applied.

IEC 60118-0:2022 merges and updates the methods previously described in IEC 60118-0:2015 and IEC 60118-7:2005. It cancels and replaces the third edition of IEC 60118-0 published in 2015. This edition constitutes a technical revision.

Measurements for quality control as described in IEC 60118-7:2005 can be found in Clause 10 of this document.

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

- a) the default use of an acoustic coupler according to IEC 60318-5,
- b) addition of the optional use of an occluded ear simulator according to IEC 60318-4,

- c) addition of the optional use of an acoustic coupler according to IEC 60318-8 (new standard based on IEC TS 62886) when information about the response above 8 kHz is needed, or the optional use of the acoustic coupler according to IEC 60318-8 for deep insert hearing aids,
- d) the addition of measurements of the performance of hearing aids for production, supply and delivery quality assurance purposes,
- e) corrected and updated measurement configuration and methods, adding the use of a sequential measurement as preferred configuration,
- f) updated and expanded measurement procedures for the non-acoustic inputs of the hearing aid.

SIST EN IEC 61162-1:2024**2024-07 (po) (en) 192 str. (R)**

Pomorska navigacijska in radiokomunikacijska oprema in sistemi - Digitalni vmesniki - 1. del:

Enosmerna komunikacija: en govorec - več poslušalcev (IEC 61162-1:2024)

Maritime navigation and radiocommunication equipment and systems - Digital interfaces - Part 1: Single talker and multiple listeners (IEC 61162-1:2024)

Osnova: EN IEC 61162-1:2024

ICS: 33.060.01, 47.020.70

IEC 61162-1:2024 contains the requirements for data communication between maritime electronic instruments, navigation and radiocommunication equipment when interconnected via an appropriate system. This document is intended to support one-way serial data transmission from a single talker to one or more listeners. These data are in printable ASCII form and can include information such as position, speed, depth, frequency allocation, etc. Typical messages can be from about 11 to a maximum of 79 characters in length and generally require transmission no more rapidly than one message per second. The electrical definitions in this document are not intended to accommodate high-bandwidth applications such as radar or video imagery, or intensive database or file transfer applications. Since there is no provision for guaranteed delivery of messages and only limited error checking capability, it is important this document is used with caution in all safety applications. For applications where a faster transmission rate is necessary, IEC 61162-2 applies. For applications to shore based equipment of the automatic identification system (AIS) the IEC 62320 series applies.

SIST EN IEC 61162-2:2024**2024-07 (po) (en) 15 str. (D)**

Pomorska navigacijska in radiokomunikacijska oprema in sistemi - Digitalni vmesniki - 2. del:

Posamezni govorec (pošiljatelj) in več poslušalcev (prejemnikov), povezava sistemov, prenos pri visoki hitrosti/hitri prenos (IEC 61162-2:2024)

Maritime navigation and radiocommunication equipment and systems - Digital interfaces - Part 2: Single talker and multiple listeners, high-speed transmission (IEC 61162-2:2024)

Osnova: EN IEC 61162-2:2024

ICS: 33.060.01, 47.020.70

IEC 61162-2:2024 contains the requirements for data communication between maritime electronic instruments, navigation and radiocommunication equipment when interconnected via an appropriate interface. This document is intended to support one-way serial data transmission from a single talker to one or more listeners. This data is in printable ASCII form and can include any information as specified by approved sentences or information coded according to the rules for proprietary sentences. Typical messages can be from 11 to a maximum of 79 characters in length and generally require repetition rates up to once per 20 ms. The electrical definitions in this document are intended to accommodate higher data rates than are specified in IEC 61162-1. Since there is no provision for guaranteed delivery of messages and only limited error-checking capability, it is important this document is used with caution in all safety applications.

SIST EN IEC 61162-450:2024

2024-07 (po) (en) **104 str. (N)**

Pomorska navigacijska in radiokomunikacijska oprema in sistemi - Digitalni vmesniki - 450. del: Več govorcev in poslušalcev - Povezovanje prek eterneta (IEC 61162-450:2024)

Maritime navigation and radiocommunication equipment and systems - Digital interfaces - Part 450: Multiple talkers and multiple listeners - Ethernet interconnection (IEC 61162-450:2024)

Osnova: EN IEC 61162-450:2024

ICS: 33.060.01, 47.020.70

IEC 61162-450:2024 specifies interface requirements and methods of test for high speed communication between shipboard navigation and radiocommunication equipment as well as between such systems and other ship systems that need to communicate with navigation and radio-communication equipment. This document is based on the application of an appropriate suite of existing international standards to provide a framework for implementing data transfer between devices on a shipboard Ethernet network.

SIST EN IEC 63281-3-1:2024

2024-07 (po) (en) **16 str. (D)**

E-prevozniki - 3-1. del: Metoda za preskušanje zmogljivosti za skupni čas delovanja e-skuterja ob upoštevanju okoljskih pogojev dejanske uporabe (IEC 63281-3-1:2024)

E-Transporters - Part 3-1: Performance test method for total run time of e-scooters with consideration to environmental conditions of actual use (IEC 63281-3-1:2024)

Osnova: EN IEC 63281-3-1:2024

ICS: 43.120

IEC 63281-3-1:2024 specifies the test method for the total run time of an e-scooter for single-person transportation with consideration of the temperature conditions of actual use when the e-scooter is operated by the user in various temperatures for use on the road or in public spaces.

This document does not cover e-scooters for persons with disabilities or elderly persons. Also, this document excludes cargo e-scooters.



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