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**Prodaja strokovne literature**

- slovenski standardi SIST
- publikacije SIST
- kopije standardov JUS (do 25. 6. 1991)
- posredovanje tujih standardov in literature
- licenčne kopije standardov ISO in IEC, ETS, DIN BS in predlogov prEN

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**Predstavitev na svetovnem spletu** http://www.sist.si

# Objava novih slovenskih nacionalnih standardov

## SIST/TC AKU Akustika

**SIST EN ISO 12354-1:2017** SIST EN 12354-1:2001
**2017-12 (po) (en) 102 str. (N)**
**Akustika v stavbah - Ocenjevanje akustičnih lastnosti stavb iz lastnosti sestavnih delov - 1. del: Izolirnost pred zvokom v zraku med prostori (ISO 12354-1:2017)**
***Building acoustics - Estimation of acoustic performance of buildings from the performance of elements - Part 1: Airborne sound insulation between rooms (ISO 12354-1:2017)***
**Osnova: EN ISO 12354-1:2017**
**ICS: 91.120.20**

**This draft European Standard describes calculation models designed to estimate the airborne sound insulation between adjacent rooms in buildings, primarily using measured data which characterize direct or indirect flanking transmission by the participating building elements, and theoretically derived methods of sound propagation in structural elements.**
**A detailed model is described for calculation in frequency bands, in the frequency range 1/3 octave 100 - 3 150 Hz according to EN ISO 717-1, possibly extended down to 1/3 octave 50 Hz if element data and junction data are available (see Annex I); the single number rating can be determined from the calculation results. A simplified model with a restricted field of application is deduced from this, calculating directly the single number rating, using the single number ratings of the elements; a method to determine uncertainty is proposed for the simplified model (see Annex K).**
**This document describes the principles of the calculation scheme, lists the relevant quantities and defines its applications and restrictions. It is intended for acoustical experts and provides the framework for the development of application documents and tools for other users in the field of building construction, taking into account local circumstances.**
**The calculation models described use the most general approach for engineering purposes, with a clear link to measurable quantities that specify the performance of building elements. The known limitations of these calculation models are described in this document. Users should, however, be aware that other calculation models also exist, each with their own applicability and restrictions.**
**The models are based on experience with predictions for dwellings; they could also be used for other types of buildings provided the construction systems and dimensions of elements are not too different from those in dwellings.**
**The 2000 edition of this standard has been revised with greater details for application to lightweight constructions (typically steel or wood framed lightweight elements as opposed to heavier masonry or concrete elements). When the first edition of the standard was published, there was a necessity for giving tables of data; but now more experimental data are available, so some of these tables have been removed.**

**SIST EN ISO 12354-2:2017** SIST EN 12354-2:2001
**2017-12 (po) (en) 54 str. (J)**
**Akustika v stavbah - Ocenjevanje akustičnih lastnosti stavb iz lastnosti sestavnih delov - 2. del: Izolirnost pred udarnim zvokom med prostori (ISO 12354-2:2017)**
***Building acoustics - Estimation of acoustic performance of buildings from the performance of elements - Part 2: Impact sound insulation between rooms (ISO 12354-2:2017)***
**Osnova: EN ISO 12354-2:2017**
**ICS: 91.120.20**

This draft European Standard specifies calculation models designed to estimate the impact sound insulation between rooms in buildings, primarily on the bases of measured data which characterizes direct or indirect flanking transmission by the participating building elements and theoretically derived methods of sound propagation in structural elements.
A detailed model is described for calculation in frequency bands, in the frequency range 1/3 octave 100 Hz - 3 150 according to EN ISO 717 1, possibly extended down to 1/3 octave 50 Hz if element data and junction data are available (see Annex E); the single number rating of buildings can be determined from the calculation results. A simplified model with a restricted field of application is deduced from this, calculating directly the single number rating, using the single number ratings of the elements; the uncertainty on the apparent impact sound pressure level calculated using the simplified model can be determined according to the method described in prEN 12354 1:2016, Annex K (see Clause 5).
This draft European Standard describes the principles of the calculation scheme, lists the relevant quantities and defines its applications and restrictions. It is intended for acoustical experts and provides the framework for the development of application documents and tools for other users in the field of building construction, taking into account local circumstances.
The calculation models described use the most general approach for engineering purposes, with a clear link to measurable quantities that specify the performance of building elements. The known limitations of these calculation models are described in this standard. Users should, however, be aware that other calculation models also exist, each with their own applicability and restrictions.
The models are based on experience with prediction for dwellings; they could also be used for other types of buildings provided the construction systems and dimensions of elements are not too different from those in dwellings.
The 2000 edition of this standard has been revised with greater details for application to lightweight constructions (typically steel or wood framed lightweight elements as opposed to heavier masonry or concrete elements).

**SIST EN ISO 12354-3:2017** SIST EN 12354-3:2001
**2017-12 (po) (en) 37 str. (H)**
**Akustika v stavbah - Ocenjevanje akustičnih lastnosti stavb iz lastnosti sestavnih delov - 3. del: Izolirnost pred zvokom v zraku iz zunanjosti (ISO 12354-3:2017)**
***Building acoustics - Estimation of acoustic performance of buildings from the performance of elements - Part 3: Airborne sound insulation against outdoor sound (ISO 12354-3:2017)***
**Osnova:** EN ISO 12354-3:2017
**ICS:** 91.120.20

Revision of EN 12354-3 taking into account of N 510 "Results of the 5 years review of En 12354-3 and the report of WG 2 (N 520).
This document describes calculation models designed to estimate the airborne sound insulation between rooms in buildings, primarily using measured data which characterize direct or indirect flanking transmission by the participating building elements and theoretically derived methods of sound propagation in structural elements.
A detailed model is described for calculation in frequency bands ; the single number rating can be determined from the calculation results. A simplified model with a restricted field of application is deduced from this, calculating directly the single number rating, using the single number ratings of the elements.
This document describes the principles of the calculation scheme, lists the relevant quantities and defines its applications and restrictions. It is intended for acoustical experts and provides the framework for the development of application documents and tools for other users in the field of building construction, taking into account local circumstances.
The calculation models described use the most general approach for engineering purposes, with a clear link to measurable quantities that specify the performance of building elements. The known limitations of these calculation models are described in this document. Users should, however, be aware that other calculation models also exist, each with their own applicability and restrictions.
The models are based on experience with predictions for dwellings ; they could also be used for other types of buildings provided the construction systems and dimensions of elements are not too different from those in dwellings.

**SIST EN ISO 12354-4:2017** SIST EN 12354-4:2001
**2017-12 (po) (en) 31 str. (G)**
**Akustika v stavbah - Ocenjevanje akustičnih lastnosti stavb iz lastnosti sestavnih delov - 4. del: Prenos zvoka iz notranjosti v okolico (ISO 12354-4:2017)**
***Building acoustics - Estimation of acoustic performance of buildings from the performance of elements - Part 4: Transmission of indoor sound to the outside (ISO 12354-4:2017)***
**Osnova:** **EN ISO 12354-4:2017**
**ICS:** **91.120.20**

**This draft European standard describes a calculation model for the sound power level radiated by the envelope of a building due to airborne sound inside that building, primarily by means of measured sound pressure levels inside the building and measured data which characterize the sound transmission by the relevant elements and openings in the building envelope. These sound power levels, together with those of other sound sources in or in front of the building envelope, form the basis for the calculation of the sound pressure level at a chosen distance from a building as a measure for the acoustic performance of buildings.**
**The prediction of the inside sound pressure level from knowledge of the indoor sound sources is outside the scope of this draft European standard.**
**The prediction of the outdoor sound propagation is outside the scope of this draft European standard.**
**NOTE For simple propagation conditions an approach is given for the estimation of the sound pressure level in the informative Annex E.**
**This draft European standard describes the principles of the calculation model, lists the relevant quantities and defines its applications and restrictions. It is intended for acoustical experts and provides the framework for the development of application documents and tools for other users in the field of building construction, taking into account local circumstances.**
**This revised edition has been updated mainly for normative references, and otherwise kept as it was in the first edition.**

## SIST/TC BBB Beton, armirani beton in prednapeti beton

**SIST EN 1504-10:2017** SIST EN 1504-10:2004
SIST EN 1504-10:2004/AC:2005
**2017-12 (po) (en) 75 str. (L)**
**Proizvodi in sistemi za zaščito in popravilo betonskih konstrukcij - Definicije, zahteve, kontrola kakovosti in ovrednotenje skladnosti - 10. del: Uporaba proizvodov in sistemov na terenu in kontrola kakovosti del**
***Products and systems for the protection and repair of concrete structures - Definitions, requirements, quality control and evaluation of conformity - Part 10: Site application of products and systems and quality control of the works***
**Osnova:** **EN 1504-10:2017**
**ICS:** **01.040.91, 91.080.40**

**This part of EN 1504 gives requirements for**
**- substrate condition before and during application of systems and products;**
**- storage of systems and products;**
**- structural stability during preparation, protection and repair;**
**- methods of protection and repair;**
**- quality control for execution of work;**
**- maintenance of the structure.**
**These aspects include effects on health and safety, the working environment, the environment and the economy.**

## SIST/TC CAA Mineralna veziva in zidarstvo

**SIST EN 13639:2017** SIST EN 13639:2004
SIST EN 13639:2004/AC:2004

**2017-12 (po) (en) 27 str. (G)**
**Določevanje celotnega organskega ogljika v apnencu**
***Determination of total organic carbon in limestone***
**Osnova:** EN 13639:2017
**ICS:** 91.100.10

This European Standard specifies methods for the determination of the total organic carbon content (TOC) in limestone.
The standard describes the reference method and alternative methods which can be considered to be equivalent.
In the case of a dispute, only the reference method is used.
Any other methods may be used provided they are calibrated, either against the reference method or against internationally accepted reference materials, in order to demonstrate their equivalence.

## SIST/TC DPL Oskrba s plinom

**SIST EN 1359:2017** SIST EN 1359:2004
SIST EN 1359:2004/A1:2006

**2017-12 (po) (en;fr;de) 71 str. (L)**
**Plinomeri - Mehovni plinomeri**
***Gas meters - Diaphragm gas meters***
**Osnova:** EN 1359:2017
**ICS:** 91.140.40

This European Standard specifies the requirements and tests for the construction, performance, safety and production of class 1,5 diaphragm gas meters (referred to as meters) having co-axial single pipe, or two pipe connections, used to measure volumes of fuel gases of the 1st, 2nd and 3rd families in accordance with EN 437:2003+A1:2009, at maximum working pressures not exceeding 0,5 bar and maximum actual flow rates not exceeding 160 m3/h over a minimum ambient and gas temperature range of −10 °C to +40 °C.
This standard applies to meters with and without built-in temperature conversion 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
- in locations with electromagnetic disturbances corresponding to those likely to be found in residential, commercial and light industrial buildings.
Unless otherwise stated, all pressures given in this document are gauge pressure.
Clauses 1 to 9 and Annex B and Annex D are for design and type testing only.
Requirements for electronic indexes, batteries, valves incorporated in the meter and additional functionalities are given in EN 16314.
NOTE The content of OIML Publications 'International Recommendation R 137' have been taken into account in the drafting of this standard.
Significant changes with respect to EN 1359:2004+A1:2006 are the following:
• conformity with the MID 2009/137/EC regarding declared errors of the same sign and testing Qmin at the minimum and maximum declared gas temperatures;
- corrosion protection restructured;
- endurance testing revised to reflect more accurately current operating conditions;
- requirements for non-metallic meters for external use added to take account of different material characteristics;
- provision for meters with electronic indexes and integrated shut-off valves;

- adhesion testing of labels;

Annex A has been restructured to give additional requirements for meters provided with a built-in gas temperature conversion device.

If no specific requirements are given for test equipment, the instruments used should be traceable to a national or international reference standard and the uncertainty (2s) should be better than 1/5 of the maximum value of the parameter to be tested. For differential results the repeatability (2s)/resolution should be better than 1/5 of the maximum value of the issue to be tested.

## SIST/TC EAL Električni alarmi

**SIST EN 62820-1-2:2017**
**2017-12 (po) (en) 24 str. (F)**
Notranja komunikacija v stavbah - 1-2. del: Sistemske zahteve - Sistemi notranjih komunikacij v stavbah z IP protokolom
*Building intercom system - Part 1-2: System requirements - Building intercom systems using the internet protocol (IP)*
Osnova: EN 62820-1-2:2017
ICS: 97.120, 35.240.67

This part of IEC 62820 specifies the technical requirements for the composition, functions, performance and test methods of building intercom systems using the internet protocol (IP), and it is a supplement to IEC 62820-1-1.

This document is applicable to the IP building intercom systems for both residential and commercial buildings.

NOTE A BIS that has a mixture of IP and non-IP connections is not covered by IEC 62820-1-2 but covered by IEC 62820-1-1.

## SIST/TC IBLP Barve, laki in premazi

**SIST EN 13523-21:2017** SIST EN 13523-21:2011
**2017-12 (po) (en;fr;de) 17 str. (E)**
Prevlečene kovine, ki se navijajo - Preskusne metode - 21. del: Vrednotenje preskušancev, izpostavljenih zunanjemu okolju
*Coil coated metals - Test methods - Part 21: Evaluation of outdoor exposed panels*
Osnova: EN 13523-21:2017
ICS: 25.220.60

This part of EN 13523 specifies the procedure for evaluating the behaviour of an organic coating on a metallic substrate during and after outdoor exposure. Panel design, preparation and the procedure for outdoor exposure are performed in accordance with EN 13523 19.

After washing of the panel some dirt can remain on the panel. This remaining dirt can influence the accuracy and precision of readings of gloss and colour, performed on exposed panels, although carried out in accordance with the standards. Unlike other precise measurements, the objective of this European Standard is to report on trends in the corrosion and/or paint degradation behaviour of coil coated panels.

**SIST EN 13523-24:2017** SIST EN 13523-24:2005
**2017-12 (po) (en;fr;de) 9 str. (C)**
Prevlečene kovine, ki se navijajo - Preskusne metode - 24. del: Odpornost proti zlepljanju in poškodbam zaradi pritiska
*Coil coated metals - Test methods - Part 24: Resistance to blocking and pressure marking*
Osnova: EN 13523-24:2017
ICS: 25.220.60

This part of EN 13523 specifies the procedure for determining the resistance to blocking and/or pressure marking of an organic coating on a metallic substrate.

**SIST EN 13523-8:2017** SIST EN 13523-8:2011
**2017-12 (po) (en;fr;de) 12 str. (C)**
**Prevlečene kovine, ki se navijajo - Preskusne metode - 8. del: Odpornost proti slani megli**
***Coil coated metals - Test methods - Part 8: Resistance to salt spray (fog)***
**Osnova:** EN 13523-8:2017
**ICS:** 25.220.60

This part of EN 13523 specifies the procedures for determining the resistance to salt spray (fog) of an organic coating on a metallic substrate (coil coating).
For steel neutral salt spray (fog) is usually used, and for aluminium acetic acid salt spray (fog).

**SIST EN ISO 11997-1:2017** SIST EN ISO 11997-1:2006
**2017-12 (po) (en;de) 22 str. (F)**
**Barve in laki - Ugotavljanje odpornosti proti cikličnim korozijskim pogojem - 1. del: Mokro (slana megla)/suho/vlažno (ISO 11997-1:2017)**
***Paints and varnishes - Determination of resistance to cyclic corrosion conditions - Part 1: Wet (salt fog)/dry/humid (ISO 11997-1:2017)***
**Osnova:** EN ISO 11997-1:2017
**ICS:** 87.040

This document specifies a method for the determination of the resistance of coatings to one of four defined cycles of wet (salt fog)/dry/humid conditions using specified solutions.

**SIST EN ISO 15110:2017** SIST EN ISO 15110:2013
**2017-12 (po) (en;fr;de) 23 str. (F)**
**Barve in laki - Umetno vremensko staranje, vključno s kislimi padavinami (ISO 15110:2017)**
***Paints and varnishes - Artificial weathering including acidic deposition (ISO 15110:2017)***
**Osnova:** EN ISO 15110:2017
**ICS:** 87.040

This document specifies a so-called acid dew and fog test (ADF test) as an accelerated laboratory test method for simulating, by the use of artificial acidic precipitation, the damaging effects of acidic atmospheric precipitation in association with UV radiation, neutral condensed precipitation, and changing temperature and humidity. This test method is intended to be used in evaluating, on the basis of relative performance rankings, the suitability of painted materials for use in outdoor environments with acidic precipitation. It is not intended to generate the same extent of damage or the same damage pattern as in outdoor weathering, but rather to give a ranking which is similar to that which would be obtained in outdoor weathering. The method produces damage which is more homogeneous, allows fewer specimens to be exposed (and hence more rapid testing) and enables evaluation of the exposed specimens to be carried out using methods which are more objective than visual assessment.

## SIST/TC IKER Keramika

**SIST EN 14157:2017** SIST EN 14157:2004
**2017-12 (po) (en;fr;de) 16 str. (D)**
**Preskusne metode za naravni kamen - Ugotavljanje odpornosti proti obrabi**
***Natural stone test methods - Determination of the abrasion resistance***
**Osnova:** EN 14157:2017
**ICS:** 91.100.15, 73.020

**This document specifies two test methods to determine the abrasion resistance of natural stones used for flooring in buildings.**

## SIST/TC IPKZ Protikorozijska zaščita kovin

**SIST EN ISO 2063-1:2017** SIST EN ISO 2063:2005
**2017-12 (po) (en) 38 str. (H)**
**Vroče brizganje - Cink, aluminij in njune zlitine - 1. del: Projektiranje in zahteve glede kakovosti korozijskega zaščitnega sistema (ISO 2063-1:2017)**
***Thermal spraying - Zinc, aluminium and their alloys - Part 1: Design considerations and quality requirements for corrosion protection systems (ISO 2063-1:2017)***
**Osnova:** EN ISO 2063-1:2017
**ICS:** 77.120.60, 77.120.10, 25.220.20

**This document specifies requirements for the protection of iron and steel surfaces against corrosion by applying thermal-sprayed metallic coatings of zinc, aluminium or their alloys.**
**In this document, requirements for the planning of the corrosion protection system and for the constructive design of the component to be protected are specified, where thermal spraying is intended to be the process for the deposition of the metallic corrosion protection.**
**Some field-related basic terms are defined and instructions for corrosion behaviour of the zinc and**
**aluminium materials under different environment conditions are provided.**
**Characteristic properties of the coating, e.g. coating thickness, minimum adhesive strength and surface appearance, are specified and test procedures for thermal-sprayed corrosion protection coatings of zinc, aluminium or their alloys are determined.**
**This document is valid for applying thermal-sprayed zinc and aluminium protection coatings against corrosion in the temperature range between –50 °C to +200 °C, taking into consideration the service conditions of any sealants used. Heat-resistant protective coatings of aluminium are covered by ISO 17834 and are not in the scope of this document.**
**Other corrosion protection processes, e.g. hot-dip galvanizing (galvanic coating), sherardizing, electroplating or selection and deposition of organic coatings/paints are not in the scope of this document.**
**Requirements for the manufacturing of thermal-sprayed coatings are specified in ISO 2063-2.**

**SIST EN ISO 2063-2:2017** SIST EN ISO 2063:2005
**2017-12 (po) (en) 45 str. (I)**
**Vroče brizganje - Cink, aluminij in njune zlitine - 2. del: Izvedba sistemov korozijske zaščite (ISO 2063-2:2017)**
***Thermal spraying - Zinc, aluminium and their alloys - Part 2: Execution of corrosion protection systems (ISO 2063-2:2017)***
**Osnova:** EN ISO 2063-2:2017
**ICS:** 77.120.60, 77.120.10, 25.220.20

**This document specifies requirements for corrosion protection of steel structures, components or parts, which are coated by thermal spraying of zinc, aluminium or their alloys.**
**This document specifies requirements for coating manufacturers of surface preparation, thermal spraying, testing and post treatments, e.g. sealing of the coating. This document applies to metallic corrosion protection coatings in the case of new fabrication in the workshop, as well as on-site and for repair on-site after assembly.**
**Requirements for coating thickness, minimum adhesive strength and surface conditions, specified in a coating specification, are given.**
**Recommendations are given for suitable process steps and quality assurance measures for new production and maintenance and for supervising of corrosion protection works.**
**This document covers the application of thermal-sprayed zinc, aluminium and their alloys for protection against corrosion in the temperature range between –50 °C to +200 °C. Heat-resistant**

protective coatings of aluminium are covered by ISO 17834 and are not in the scope of this document.
This document specifies requirements for the equipment, the working place and the qualification of the spray and testing personnel.
NOTE ISO 2063-1:2017 is addressed to the designer and to the planning engineer of corrosion protection system.

## SIST/TC ISEL Strojni elementi

**SIST EN ISO 25178-71:2017** SIST EN ISO 25178-71:2014
**2017-12 (po) (en) 19 str. (E)**
Specifikacija geometrijskih veličin izdelka (GPS) - Tekstura površine: ravna - 71. del: Standardi za merilno programsko opremo (ISO 25178-71:2017)
*Geometrical product specifications (GPS) - Surface texture: Areal - Part 71: Software measurement standards (ISO 25178-71:2017)*
Osnova: EN ISO 25178-71:2017
ICS: 35.080, 17.040.40, 17.040.20

This document defines Type S1 and Type S2 software measurement standards (etalons) for verifying the software of measuring instruments. It also defines the file format of Type S1 software measurement standards for the calibration of instruments for the measurement of surface texture by the areal method as defined in the areal surface texture chain of standards, chain link G.
NOTE Throughout this document, the term “softgauge” is used as a substitute for “software measurement standard Type S1”.

## SIST/TC ISTP Stavbno pohištvo

**SIST EN 12604:2017** SIST EN 12604:2001
SIST EN 12605:2001
**2017-12 (po) (en;fr;de) 16 str. (D)**
Vrata v industrijske in javne prostore ter garažna vrata - Mehanske lastnosti - Zahteve in preskusne metode
*Industrial, commercial and garage doors and gates - Mechanical aspects - Requirements and test methods*
Osnova: EN 12604:2017
ICS: 91.090, 91.060.50

This European Standard specifies the mechanical requirements and test methods for manually operated industrial, commercial and garage doorsets, gates and barriers, intended for installation in areas in the reach of people and for which the main intended use is giving safe access for goods and vehicles accompanied or driven by persons in industrial, commercial and residential premises.
This document deals with hazards related to installation and operation of manual doorsets and specifies requirements to eliminate or minimise them and test methods to verify the requirements.
This document applies only to doorsets which are not part of the load carrying structure of the building.
It does not apply to
- lock gates and dock gates;
- doors on vehicles;
- armoured doors;
- doors mainly for the retention of animals;
- doorsets intended for pedestrian use;
- railway barriers;
- doors operating by gravity or other self-closing mechanism.

## SIST/TC ITC Informacijska tehnologija

**SIST-TS CEN ISO/TS 19844:2017** SIST-TS CEN ISO/TS 19844:2016
**2017-12 (po) (en;fr;de) 635 str. (2E)**
**Zdravstvena informatika - Identifikacija zdravil - Vodilo za uporabo podatkovnih elementov in struktur za enotno identifikacijo in izmenjavo predpisanih informacij o substancah (ISO/TS 19844:2016)**
***Health informatics - Identification of medicinal products - Implementation guidelines for data elements and structures for the unique identification and exchange of regulated information on substances (ISO/TS 19844:2016)***
**Osnova:** CEN ISO/TS 19844:2017
**ICS:** 11.120.10, 35.240.80

ISO/TS 19844:2016 is used in the implementation of ISO 11238. This document defines substances based on their scientific identity (i.e. what they are) rather than on their use or method of production.
ISO 11238 provides the conceptual framework for defining Substances and Specified Substances and for assigning unique identifiers in the context of the ISO IDMP standards. ISO 11238 describes general concepts for defining and distinguishing substances and a high level model for the structuring of information for substances. This document provides detailed explanations of each type or grouping of substance information, an element-by-element description for implementation of ISO 11238, and examples for a variety of Substances and Specified Substances.
This second edition of the document addresses substances, Groups 1 to 3 of the Specified Substances as defined in ISO 11238 and Annexes A, B, C, D, E, F, G and H. It is anticipated that Specified Substances Group 4, as defined in ISO 11238, will be addressed in a subsequent edition of this document. Some information that would typically fall under Specified Substances Group 4 may be covered in the Annexes of this document. This information, although not defining of either a Substance or a Specified Substance Group 1, may be essential to distinguishing substances. This document addresses the following:
· Data elements necessary for defining Substances and Specified Substances Groups 1 to 3;
· The logical use of data elements as defined in ISO 11238;
· Substances and Specified Substances Groups 1 to 3 business rules for
- determining necessary data elements,
- distinguishing and defining materials according to ISO 11238,
- triggering the assignment of identifiers.
ISO/TS 19844:2016 does not address the following:
· Business processes for data management;
· Implementation of a specific data information system (e.g. a relational database schema);
· Normative messaging standards for substances;
· The maintenance of controlled vocabularies;
· The specific global identifier system that should be used;
· Nomenclature standards for substances.

## SIST/TC ITEK Tekstil in tekstilni izdelki

**SIST EN 13329:2016+A1:2017** SIST EN 13329:2016
SIST EN 13329:2016/oprA1:2017
**2017-12 (po) (en;fr;de) 42 str. (I)**
**Laminatne talne obloge - Elementi z zunanjo plastjo na osnovi aminoplastičnih termostabilnih smol - Specifikacije, zahteve in preskusne metode**
***Laminate floor coverings - Elements with a surface layer based on aminoplastic thermosetting resins - Specifications, requirements and test methods***
**Osnova:** EN 13329:2016+A1:2017
**ICS:** 97.150

This European Standard specifies characteristics, requirements and test methods for laminate floor coverings with a surface layer based on aminoplastic thermosetting resins as defined in 3.1 and 3.2. It also specifies requirements for marking and packaging.
It includes a classification system, based on EN ISO 10874, giving practical requirements for areas of use and levels of use, to indicate where laminate floor coverings will give satisfactory service and to encourage the consumer to make an informed choice.
Laminate floor coverings are considered for domestic and commercial levels of use, including domestic kitchens. This standard does not specify requirements relating to areas which are subjected to frequent wetting, such as bathrooms, laundry rooms or saunas.

## SIST/TC IŽNP Železniške naprave

**SIST EN 16839:2017**
**2017-12 (po) (en;fr;de) 51 str. (J)**
**Železniške naprave - Vozna sredstva - Postavitev glavnega parka**
***Railway applications - Rolling stock - Head stock layout***
**Osnova: EN 16839:2017**
**ICS: 45.040**

This European Standard defines the layout of the devices installed on the headstock of vehicles equipped with buffers and screw coupler in order to allow operation and coupling of trainsets or vehicles including rescue condition.
The European Standard deals with the defined free space for the shunter called the "Berne rectangle" and the location on the headstock of:
— buffers including boundary conditions;
— screw coupling systems;
— head cocks;
— pneumatic half coupling;
— (optional) steps and handrails on the front beam (e.g. for use by shunters);
— connection for electric cables;
It also defines the fixing of certain equipment on the head stock (buffers, screw coupling, connections for brake system and electric system) and the calculation of the width of the buffer plates.
All dimensions given in this European Standard are nominal values.

## SIST/TC KAT Kakovost tal

**SIST EN 14405:2017** SIST-TS CEN/TS 14405:2004
**2017-12 (po) (en;fr;de) 41 str. (I)**
**Karakterizacija odpadkov - Izluževalni preskusi - Preskus v koloni s tokom navzgor (pri določenih pogojih)**
***Characterization of waste - Leaching behaviour test - Up-flow percolation test (under specified conditions)***
**Osnova: EN 14405:2017**
**ICS: 13.030.01**

This Standard is applicable to determine the leaching behaviour of inorganic constituents from granular waste (without or with size reduction. The waste body is subjected to percolation with water as a function of liquid to solid ratio under specified percolation conditions. The waste is leached under hydraulically dynamic conditions. The method is a once-through column leaching test and the test results establish the distinction between different release patterns, for instance wash-out and release under the influence of interaction with the matrix, when approaching local equilibrium between waste and leachant.

**SIST EN 15961:2017** SIST EN 15961:2012

**2017-12 (po) (en;fr;de) 6 str. (B)**

**Gnojila - Ekstrakcija v vodi topnega kalcija, magnezija in natrija ter žvepla v obliki sulfata**

***Fertilizers - Extraction of water-soluble calcium, magnesium, sodium and sulfur in the form of sulfates***

**Osnova:** EN 15961:2017

**ICS:** 65.080

**This European Standard specifies a method for the extraction of water-soluble calcium, magnesium, sodium and sulfur (in the form of sulfates), so that the same extract can be used for the determination of each nutrient required.**
**The method is solely applicable to fertilizers listed in Regulation (EC) 2003/2003, Annex I [2]), for which a declaration of the water-soluble calcium, magnesium, sodium, and sulfur (in the form of sulfates) is provided for in this Regulation.**

**SIST EN 16317:2013+A1:2017** SIST EN 16317:2013/kFprA1:2016
SIST EN 16317:2013

**2017-12 (po) (en;fr;de) 15 str. (D)**

**Gnojila in sredstva za apnjenje - Določevanje arzena z atomsko emisijsko spektrometrijo z induktivno sklopljeno plazmo (ICP/AES) po raztapljanju v zlatotopki (vključno z dopolnilom A1)**

***Fertilizers and liming materials - Determination of arsenic by inductively coupled plasma-atomic emission spectrometry (ICP-AES) after aqua regia dissolution***

**Osnova:** EN 16317:2013+A1:2017

**ICS:** 65.080

**This European Standard specifies a method for the determination of the content of arsenic in fertilizers and liming materials using inductively coupled plasma-atomic emission spectrometry (ICPAES) after aqua regia dissolution." Limits of quantification are dependent on the sample matrix as well as on the instrument, but can roughly be expected to be 1,5 mg/kg for As.**
**!NOTE The term fertilizer is used throughout the body of this European Standard and includes liming materials unless otherwise indicated.**

**SIST EN 16320:2013+A1:2017** SIST EN 16320:2013/kFprA1:2016
SIST EN 16320:2013

**2017-12 (po) (en;fr;de) 16 str. (D)**

**Gnojila in sredstva za apnjenje - Določevanje živega srebra s tehniko hladnih par po raztapljanju v zlatotopki (vključno z dopolnilom A1)**

***Fertilizers and liming materials - Determination of mercury by vapour generation (VG) after aqua regia dissolution***

**Osnova:** EN 16320:2013+A1:2017

**ICS:** 65.080

**This European Standard specifies a method for the determination of the content of mercury in fertilizers !and liming materials" after extraction with aqua regia and the detection of mercury by vapour generation (VG) coupled to an atomic absorption spectrometer or an inductively coupled plasma-atomic emission spectrometer. A limit of quantification of 0,01 mg/kg is to be expected.**
**!NOTE The term fertilizer is used throughout the body of this European Standard and includes liming materials unless otherwise indicated.**

**SIST EN ISO 11272:2017** SIST EN ISO 11272:2014

**2017-12 (po) (en;fr;de) 22 str. (F)**

**Kakovost tal - Določevanje prostorninske gostote suhih vzorcev (ISO 11272:2017)**

***Soil quality - Determination of dry bulk density (ISO 11272:2017)***

**Osnova:** EN ISO 11272:2017

**ICS:** 17.060, 13.080.20

**This document specifies three methods for the determination of dry bulk density of soils calculated from the mass and the volume of a soil sample. The methods involve drying and weighing a soil sample, the volume of which is either known [core method (see 4.1)] or determined [excavation method (see 4.2) and clod method (see 4.4)].**

**SIST EN ISO 11504:2017**
**2017-12 (po) (en;fr;de) 32 str. (G)**
**Kakovost tal - Ocena vplivov tal, onesnaženih z ogljikovodiki iz nafte (ISO 11504:2017)**
***Soil quality - Assessment of impact from soil contaminated with petroleum hydrocarbons (ISO 11504:2017)***
**Osnova: EN ISO 11504:2017**
**ICS: 13.080.10**

**This International Standard provides guidance on the choice of fractions and individual compounds when carrying out analysis for petroleum hydrocarbons in soils, soil materials and related materials including sediments for the purpose of assessing risks to human health, the environment and other possible receptors.**

**SIST-TP CEN/TR 17040:2017**
**2017-12 (po) (en) 42 str. (I)**
**Gnojila in sredstva za apnjenje - Vzorčenje statičnih kupov - Tehnično poročilo o postopkih eksperimentalnega vzorčenja v okviru mandata M/454**
***Fertilizers and liming materials - Sampling of static heaps - Technical report on experimental sampling trials performed under mandate M/454***
**Osnova: CEN/TR 17040:2017**
**ICS: 65.080**

**This Technical report covers the technical description of the experimental work which has beeeen performed in order to elaborate methods of sampling of fertilizers and liming materials from static heaps.**

**SIST-TS CEN/TS 17060:2017**
**2017-12 (po) (en;fr;de) 12 str. (C)**
**Gnojila - Določevanje molibdena v koncentracijah do 10 % z gravimetrično metodo z 8-hidroksikinolinom**
***Fertilizers - Determination of molybdenum in concentrations > 10 % using a gravimetric method with 8-hydroxyquinoline***
**Osnova: CEN/TS 17060:2017**
**ICS: 65.080**

**This Technical Specification specifies the procedure for determination of total and water extractable molybdenum in mineral fertilizers containing more than 10 % molybdenum. This method is applicable to water and aqua regia fertilizer extracts obtained according to EN 260172 and/or EN 260176.**

## SIST/TC KAV Kakovost vode

**SIST EN ISO 11731:2017** SIST EN ISO 11731-2:2008
**2017-12 (po) (en;de) 47 str. (I)**
**Kakovost vode - Ugotavljanje števila legionel (ISO 11731:2017)**
***Water quality - Enumeration of Legionella (ISO 11731:2017)***
**Osnova: EN ISO 11731:2017**
**ICS: 07.100.20**

**This document specifies culture methods for the isolation of *Legionella* and estimation of their numbers in water samples.**
**These methods are applicable to all kinds of water samples including potable, industrial, waste and natural waters. These methods can be used for water related matrices, e.g. biofilms, sediments, etc. Not all *Legionella* species are culturable; therefore, the methods described in this document do not recover all species of *Legionella*.**

**SIST EN ISO 13843:2017** SIST-TS ENV ISO 13843:2004
**2017-12 (po) (en;fr;de) 70 str. (K)**
**Kakovost vode - Zahteve za določitev delovnih karakteristik kvantitativnih mikrobioloških metod (ISO 13843:2017)**
***Water quality - Requirements for establishing performance characteristics of quantitative microbiological methods (ISO 13843:2017)***
**Osnova: EN ISO 13843:2017**
**ICS: 07.100.20**

**This document deals with characterization of microbiological methods. In terms of this document, characterization means the study of parameters that can be measured to describe how the method is likely to perform in a given set of conditions, which can be described as performance characteristics.**
**The document describes procedures for the determination of performance characteristics which can be used for subsequent validation or verification of methods.**
**The emphasis is on selective quantitative methods and this document applies to all types of water. For methods that are not based upon direct microscopic count, colony count or most probable number, the applicability of the procedures described in this document should be considered carefully.**

**SIST EN ISO 20227:2017**
**2017-12 (po) (en;fr;de) 28 str. (G)**
**Kakovost vode - Določevanje učinka odpadne vode, naravne vode in kemikalij na zaviranje rasti vodne leče Spirodela polyrhiza - Metoda z neodvisnim mikrobiološkim preskusom z založno kulturo (ISO 20227:2017)**
***Water quality - Determination of the growth inhibition effects of waste waters, natural waters and chemicals on the duckweed Spirodela polyrhiza - Method using a stock culture independent microbiotest (ISO 20227:2017)***
**Osnova: EN ISO 20227:2017**
**ICS: 07.100.20, 13.060.70**

**This International Standard specifies a method for the determination of the inhibition of the growth of the first fronds of Spirodela polyrhiza germinated from dormant turions, by substances and mixtures contained in water or waste water, including treated municipal waste water and industrial effluents.**
**The test is also applicable to pure chemicals and in particular plant protection products and pesticides.**

**SIST EN ISO 9697:2017**
**2017-12 (po) (en;fr;de) 20 str. (E)**
**Kakovost vode - Skupna beta aktivnost v neslanih vodah - Preskusna metoda robustnega vira (ISO 9697:2015)**
***Water quality - Gross beta activity in non-saline water - Test method using thick source (ISO 9697:2015)***
**Osnova: EN ISO 9697:2017**
**ICS: 17.240, 13.060.60**

This International Standard specifies a method for the determination of gross beta activity in non-saline waters. The method covers non-volatile beta emitter radionuclides with beta-max energies > 0,3 MeV. Measurement of very low energy beta−emitters like 3H; 14C, 35S and 241Pu is not included in this standard. The method is applicable to the analysis of raw and potable waters.

## SIST/TC LLZ Les, lesni izdelki in zaščita lesa

**SIST EN 14354:2017** SIST EN 14354:2005
SIST EN 14354:2005/AC:2007

**2017-12 (po) (en;fr;de) 49 str. (I)**
Lesne plošče - Furnirane talne obloge
*Wood-based panels - Wood veneer floor coverings*
Osnova: EN 14354:2017
ICS: 97.150, 79.080

This document specifies definitions, requirements and test methods for wood veneer floor coverings for internal use. It gives guidance for the evaluation of conformity of the products to the requirements of this standard. Wood-veneer floor coverings without finishing are excluded.

**SIST EN 16755:2017**
**2017-12 (po) (en;fr;de) 27 str. (G)**
Trajnost odziva na ogenj - Razredi lesnih proizvodov, obdelanih z zaščitnimi sredstvi proti ognju, za uporabo v notranjih prostorih in na prostem
*Durability of reaction to fire performance - Classes of fire-retardant treated wood products in interior and exterior end use applications*
Osnova: EN 16755:2017
ICS: 79.040, 71.100.50, 13.220.40

This European Standard describes the characteristics that fire-retardant treated wood products should exhibit in order that its fire-retardant properties will persist undiminished throughout the desired service life in the anticipated conditions of use.
The Standard prescribes the classification requirements for the durability of the reaction to fire performance of fire-retardant treated wood products to be used in interior and exterior end use conditions. The products shall initially meet required reaction to fire classification. For interior and exterior use, limited hygroscopicity shall be verified. In addition, products for exterior use shall meet the minimum durability of reaction to fire performance requirements specific to the end use. The requirements are applicable to wood which has been treated during a production process with fire retardant product applied either by a penetration process or by a superficial process, such as with a film forming or intumescent fire retardant coating. The fire-retardant treated products may be coated with an ordinary paint. Mechanical properties and biological durability of fire-retardant treated wood products are not covered by this European Standard.
Paints, coatings and varnishes intended to improve the reaction to fire performance of a construction product when incorporated in situ in the construction works, are covered by ETAG 028 [19].
This Standard may be used as a basis for an approval system.

## SIST/TC MOC Mobilne komunikacije

**SIST EN 300 444 V2.5.1:2017**
**2017-12 (po) (en) 159 str. (P)**
Digitalne izboljšane brezvrvične telekomunikacije (DECT) - Profil generičnega dostopa (GAP)
*Digital Enhanced Cordless Telecommunications (DECT) - Generic Access Profile (GAP)*
Osnova: ETSI EN 300 444 V2.5.1 (2017-10)
ICS: 33.070.30

**The present document specifies that set of technical requirements for Digital Enhanced Cordless Telecommunications (DECT) Fixed Part (FP) and DECT Portable Part (PP) necessary for the support of the Generic Access Profile (GAP).**
**The GAP is applicable to all DECT Portable radio Terminations (PT) and Fixed radio Terminations (FT) which under the scope of ETSI EN 300 176-2 [10] (i.e. 3,1 kHz telephony teleservice) and specifies the minimum functionality that is supported by all other 3,1 kHz voice profiles.**
**The objective of the present document is to ensure the Air Interface (AI) inter-operability of DECT equipment capable of 3,1 kHz telephony applications, in such a way that any DECT PT conforming to the procedures described in the present document is inter-operable with any DECT FT conforming to the procedures described in the present document.**
**The profile consists of the minimum mandatory requirements that allow a 3,1 kHz teleservice connection to be established, maintained and released between a FT and a PT with the appropriate access rights, irrespective of whether the FP provides residential, business or public access services.**
**In addition, the present document defines the features, services, procedures etc. for both the FT and the PT, which are provision mandatory either in the PT or in the FT, as well as some elements that are provision optional but still process mandatory.**
**Mobility Management (MM) procedures at the DECT AI to support incoming calls and outgoing calls are included.**
**Inter-working between the FT and the attached network is outside the scope of the present document.**

**SIST EN 300 698 V2.2.1:2017**
**2017-12 (po) (en) 53 str. (J)**
**Radiotelefonski oddajniki in sprejemniki za pomorske mobilne storitve, ki delujejo v pasovih VHF in se uporabljajo na celinskih vodnih poteh - Harmonizirani standard, ki zajema bistvene zahteve členov 3.2 in 3.3(g) direktive 2014/53/EU**
***Radio telephone transmitters and receivers for the maritime mobile service operating in the VHF bands used on inland waterways - Harmonised Standard covering the essential requirements of articles 3.2 and 3.3(g) of Directive 2014/53/EU***
**Osnova: ETSI EN 300 698 V2.2.1 (2017-10)**
**ICS: 47.020.70, 33.060.20**

**The present document specifies technical characteristics and methods of measurements for VHF radio transmitters and receivers operating on board ships in frequency bands allocated to the maritime mobile service, used on inland waterways as defined by Regional Agreements or responsible Administrations.**
**The present document applies to VHF transmitters and receivers fitted with a 50 Ω external antenna socket or connector for use on board ships on inland waterways and operating in the bands between 156 MHz and 174 MHz allocated to the maritime mobile service by the ITU Radio Regulations [1], Appendix 18.**
**For countries where the Automatic Transmitter Identification System (ATIS) is mandatory, the requirements of annex B apply as well.**
**The present document covers the essential requirements of article 3.2 and article 3.3(g) of Directive 2014/53/EU [i.3] under the conditions identified in clause A.2.**

**SIST EN 301 926 V1.3.1:2017**
**2017-12 (po) (en) 53 str. (J)**
**Satelitske zemeljske postaje in sistemi (SES) - Radiofrekvenčni in modulacijski standard za telemetrijo, vodenje in merjenje oddaljenosti (TCR) komunikacijskih satelitov**
***Satellite Earth Stations and Systems (SES) - Radio Frequency and Modulation Standard for Telemetry, Command and Ranging (TCR) of Communications Satellites***
**Osnova: ETSI EN 301 926 V1.3.1 (2017-10)**
**ICS: 33.070.40**

**The present document applies to the Telemetry, Command and Ranging (TCR) system of Communication Satellites (geosynchronous or not), operating in the following frequency bands:**
**• 5 725 MHz to 7 025 MHz uplink, 3 400 MHz to 4 200 MHz and 4 500 MHz to 4 800 MHz downlink ("C-band");**
**• 12 750 MHz to 13 250 MHz, 13 750 MHz to 14 800 MHz and 17 300 MHz to 18 400 MHz uplink, 10 700 MHz to 12 750 MHz and 13 400 MHz to 13 650 MHz downlink ("Ku-band");**
**• 27 500 MHz to 30 000 MHz uplink, 17 700 MHz to 20 200 MHz downlink ("Commercial Ka-band").**
**Although not explicitly addressed in the present document, possible usage in other bands allocated to FSS/MSS/BSS/SOS between 1 GHz to 51,4 GHz may be envisaged.**
**The TCR receiver and transmitter can have a frequency flexibility capability over a given RF band, Typical frequency step is 100 kHz.**
**The present document sets out the minimum performance requirements and technical characteristics of the ground/satellite Radio Frequency (RF) interface based on Frequency Modulation (FM), Phase Modulation (PM) and Code Division Multiple Access (CDMA).**
**With the growing number of satellites, the co-location constraints and the maximization of bandwidth for Communications Missions, real and potential interference cases have motivated the elaboration of the present document for geostationary satellites based on CDMA techniques.**
**The present document addresses the following applications:**
**• Telemetry.**
**• Command (Telecommand).**
**• Ranging.**
**• Hosted Payload Management.**
**The aim of the present document is to replace and enhance the prior document ETSI EN 301 926 [i.2] (V1.2.1). The present document's provisions also apply for use cases of autonomous control of hosted payloads. It is recognized that hosted payloads may require only a subset of the functionality.**
**The present document applies to the typical TCR scenario shown on figure 1. The scenario includes multiple satellites, which may be located in the same orbital location (GSO), or that can be in common view of a given TCR station during NGSO phases (such as transfer phase to GEO, or during NGSO operations). These satellites may be controlled by mdifferent TCR ground stations. The TCR links defined in the present document have also to coexist with the communication ground terminals also shown on figure 1. Some of the satellites to be controlled may use FM/PM waveforms, and some may use a CDMA waveform, as defined later in the present document.**
**The scenario may also include, for some of the satellites, hosted payloads, which can be controlled independently of the satellite platform and of the main payload.**
**The present document defines the modulation and coding on the TCR and HPM links. Modulation formats are specified in clause 4 and coding in clause 7.**

**SIST EN 302 054 V2.1.1:2017**
**2017-12 (po) (en) 23 str. (F)**
**Meteorološki pripomočki (Met Aids) - Radiosonde za uporabo v frekvenčnem območju od 400,15 MHz do 406 MHz z močnostnimi nivoji do največ 200 mW - Harmonizirani standard, ki zajema bistvene zahteve člena 3.2 direktive 2014/53/EU**
***Meteorological Aids (Met Aids) - Radiosondes to be used in the 400,15 MHz to 406 MHz frequency range with power levels ranging up to 200 mW - Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU***
**Osnova: ETSI EN 302 054 V2.1.1 (2017-10)**
**ICS: 33.060.99, 07.060**

**The present document specifies technical characteristics and methods of measurements for digitally modulated radiosondes operating in the range from 400,15 MHz to 406 MHz and with power levels ranging up to 200 mW.**
**NOTE: The present document does not cover radiosondes with an imbedded receiver.**
**The present document covers the essential requirements of article 3.2 of Directive 2014/53/EU [i.1] under the conditions identified in annex A.**

**SIST EN 302 454 V2.1.1:2017**
**2017-12 (po) (en) 23 str. (F)**
**Meteorološki pripomočki (Met Aids) - Radiosonde za uporabo v frekvenčnem območju od 1668,4 MHz do 1690 MHz - Harmonizirani standard, ki zajema bistvene zahteve člena 3.2 direktive 2014/53/EU**
***Meteorological Aids (Met Aids) - Radiosondes to be used in the 1 668,4 MHz to 1 690 MHz frequency range - Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU***
**Osnova:** **ETSI EN 302 454 V2.1.1 (2017-10)**
**ICS:** **33.060.99, 07.060**

**The present document specifies technical characteristics and methods of measurements for digitally modulated radiosondes operating in the range from 1 668,4 MHz to 1 690 MHz.**
**NOTE: The present document does not cover radiosondes with an imbedded receiver.**
**The present document covers the essential requirements of article 3.2 of Directive 2014/53/EU [i.1] under the conditions identified in annex A.**

**SIST EN 302 536 V2.1.1:2017**
**2017-12 (po) (en) 37 str. (H)**
**Naprave kratkega dosega (SRD) - Radijska oprema za živalske pripomočke za vsaditev ultra majhnih moči (ULP-AID) in pripadajoče periferne naprave, ki delujejo v frekvenčnem območju od 315 kHz do 600 kHz - Harmonizirani standard, ki zajema bistvene zahteve člena 3.2 direktive 2014/53/EU**
***Short Range Devices (SRD) - Radio equipment operating in the frequency range 315 kHz to 600 kHz for Ultra Low Power Animal Implantable Devices (ULP-AID) and associated peripherals - Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU***
**Osnova:** **ETSI EN 302 536 V2.1.1 (2017-10)**
**ICS:** **33.060.99**

**The present document specifies technical characteristics and methods of measurements for Ultra Low Power-Animal Implant Devices (ULP-AIDs) and Peripherals as used by industry to develop new drugs and surgical techniques that provide improved health care for the benefit of human patients. ULP-AIDs operate in a Communications System using inductive technology in the frequency band 315 kHz to 600 kHz.**
**The present document contains the technical requirements for characteristics of ULP-AID and ULP-AID-P radio equipment which are aligned with annex 12 sub-band (c) of CEPT/ERC Recommendation 70-03 [i.3].**
**The frequency usage conditions for the bands 315 kHz to 600 kHz are EU wide harmonised for the SRD category "active medical implant devices" according to 2013/752/EU [i.6] with the following usage restrictions:**
**• "This set of usage conditions is only available to animal implantable devices".**
**The present document covers the essential requirements of article 3.2 of Directive 2014/53/EU [i.1] under the conditions identified in annex A for Ultra Low Power Animal Implants and peripherals used in an implant communications system that supports development of medically related treatments that provide impoved health care for patients. It does not necessarily include all the characteristics, which may be required by a user, nor does it necessarily represent the optimum performance achievable.**

**SIST EN 303 316 V1.1.1:2017**
**2017-12 (po) (en) 33 str. (H)**
**Širokopasovne neposredne komunikacije zrak-tla - Oprema, ki deluje v frekvenčnih pasovih od 1900 MHz do 1920 MHz in od 5855 MHz do 5875 MHz - Snop anten - Harmonizirani standard, ki zajema bistvene zahteve člena 3.2 direktive 2014/53/EU**
***Broadband Direct Air-to-Ground Communications - Equipment operating in the 1 900 MHz to 1 920 MHz and 5 855 MHz to 5 875 MHz frequency bands - Beamforming antennas - Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU***
**Osnova: ETSI EN 303 316 V1.1.1 (2017-10)**
**ICS: 33.120.40, 33.060.99**

**The present document specifies technical characteristics and methods of measurements for radio equipment at the Ground Station and Aircraft Station for Broadband Direct Air-to-Ground communications systems employing beamforming antennas.**
**The present document covers the essential requirements of article 3.2 of Directive 2014/53/EU [i.5] under the conditions identified in annex A.**

**SIST EN 61757-2-2:2017**
**2017-12 (po) (en;fr;de) 34 str. (H)**
**Optična zaznavala - 3-1. del: Merjenje temperature - Razpršeno zaznavanje (IEC 61757-2-2:2016)**
***Fibre optic sensors - Part 3-1: Temperature measurement - Distributed sensing (IEC 61757-2-2:2016)***
**Osnova: EN 61757-2-2:2017**
**ICS: 17.200.20, 33.180.99**

**his part of IEC 61757 defines detail specifications for distributed temperature measurement by a fibre optic sensor, also known as fibre optic distributed temperature sensing (DTS). DTS includes the use of Raman scattering, Brillouin scattering and Rayleigh scattering effects. In addition, Raman scattering and Rayleigh scattering based measurements are performed with a single-ended fibre configuration only. Brillouin scattering based measurements are performed with a single-ended fibre or fibre loop configuration. The technique accessible from both sides at same time (e. g. Brillouin optical time domain analysis, BOTDA) is referred to here as a loop configuration. Generic specifications for fibre optic sensors are defined in IEC 61757-1:2012.**
**This part of IEC 61757 specifies the most important DTS performance parameters and defines the procedures for their determination. In addition to the group of performance parameters, a list of additional parameters has been defined to support the definition of the measurement specifications and their associated test procedures. The definitions of these additional parameters are provided for informational purposes and should be included with the sets of performance parameters.**
**A general test setup is defined in which all parameters can be gathered through a set of tests.**
**The specific tests are described within the clause for each measurement parameter. This general test setup is depicted and described in Clause 4 along with a list of general information that should be documented based upon the specific DTS instrument and test setup used to measure these parameters as per IEC 61757-2-2.**
**Annex A provides a blank performance parameter table which should be used to record the performance parameter values for a given DTS instrument and chosen optical test setup configuration.**
**Annex B provides guidelines for optional determination of point defect effects.**

## SIST/TC MOV Merilna oprema za elektromagnetne veličine

**SIST EN 61326-3-1:2017** SIST EN 61326-3-1:2008
**2017-12 (po) (en;fr;de) 45 str. (I)**
**Električna oprema za merjenje, nadzor in laboratorijsko uporabo - Zahteve elektromagnetne združljivosti (EMC) - 3-1. del: Zahteve za odpornost sistemov, povezanih z varnostjo, in opreme, namenjene za opravljanje funkcij, povezanih z varnostjo (funkcijska varnost) - Splošna industrijska uporaba (IEC 61326-3-1:2017)**
***Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 3-1: Immunity requirements for safety-related systems and for equipment intended to perform safety-related functions (functional safety) - General industrial applications (IEC 61326-3-1:2017)***
**Osnova:** **EN 61326-3-1:2017**
**ICS:** **33.100.20, 25.040.40**

**This part of IEC 61326 covers all equipment within the scope of IEC 61326-1, but is limited to systems and equipment for industrial applications intended to perform safety functions as defined in IEC 61508 with SIL 1-3.**
**The electromagnetic environments encompassed by this product family standard are industrial, both indoor and outdoor, as described for industrial locations in IEC 61000-6-2 or defined in 3.8 of IEC 61326-1. Equipment and systems intended for use in other electromagnetic environments, for example, in the process industry or in environments with potentially explosive atmospheres, are excluded from the scope of this document.**
**Equipment and systems considered as "proven-in-use" according to IEC 61508 or "prior use" according to IEC 61511 are excluded from the scope of this document.**
**Fire alarm systems and security alarm systems intended for protection of buildings are excluded from the scope of this document.**

**SIST EN 61800-9-1:2017** SIST EN 50598-1:2015
**2017-12 (po) (en) 34 str. (H)**
**Električni pogonski sistemi z nastavljivo hitrostjo - 9-1. del: Okoljsko primerno načrtovanje pogonskih sistemov, motornih zaganjalnikov, močnostne elektronike in naprav, ki jih poganjajo - Splošne zahteve za določanje standardov za energijsko učinkovitost za pogonsko opremo, z uporabo razširjene zasnove izdelka (EPA) in polanalitičnega modela (SAM) (IEC 61800-9-1:2017)**
***Adjustable speed electrical power drive systems - Part 9-1: Energy efficiency of power drive systems, motor starters, power electronics and their driven applications - General requirements for setting energy efficiency standards for power driven equipment using the Extended Product Approach (EPA) and semi analytic model (SAM) (IEC 61800-9-1:2017)***
**Osnova:** **EN 61800-9-1:2017**
**ICS:** **27.015, 29.200**

**IEC 61800-9-1:2017 specifies the general methodology to energy efficiency standardization for any extended product by using the guidance of the extended product approach (EPA).**
**This document specifies the methodology of determination of losses of the extended product and its sub-parts. It is applicable to motor systems operated by a motor starter or by a converter (power drive systems).**

**SIST EN 61800-9-2:2017** SIST EN 50598-2:2015
SIST EN 50598-2:2015/A1:2016

**2017-12 (po) (en) 112 str. (N)**

**Električni pogonski sistemi z nastavljivo hitrostjo - 9-2. del: Okoljsko primerno načrtovanje motornih pogonskih sistemov, motornih zaganjalnikov, močnostne elektronike in njihove naprave, ki jih ti poganjajo - Kazalniki energijske učinkovitosti pogonskih sistemov in motornih zaganjalnikov (IEC 61800-9-2:2017)**

***Adjustable speed electrical power drive systems - Part 9-2: Ecodesign for power drive systems, motor starters, power electronics & their driven applications - Energy efficiency indicators for power drive systems and motor starters (IEC 61800-9-2:2017)***

**Osnova:** EN 61800-9-2:2017
**ICS:** 27.015, 29.200

IEC 61800-9-2:2017 specifies energy efficiency indicators of power electronics (complete drive modules, CDM), power drive systems (PDS) and motor starters, all used for motor driven equipment. It specifies the methodology for the determination of losses of the complete drive module (CDM), the power drive system (PDS) and the motor system.
It defines IE and IES-classes, their limit values and provides test procedures for the classification of the overall losses of the motor system. Furthermore, this document proposes a methodology for the implementation of the best energy efficiency solution of drive systems.
This depends on the architecture of the motor driven system, on the speed/load profile and on the operating points over time of the driven equipment.

**SIST EN 62586-2:2017** SIST EN 62586-2:2014
SIST EN 62586-2:2014/AC:2015

**2017-12 (po) (en;fr;de) 144 str. (P)**

**Merjenje kakovosti električne energije v napajalnih sistemih - 2. del: Zahteve za funkcionalne preskuse in negotovost (IEC 62586-2:2017)**

***Power quality measurement in power supply systems - Part 2: Functional tests and uncertainty requirements (IEC 62586-2:2017)***

**Osnova:** EN 62586-2:2017
**ICS:** 17.220.20

EN specifies functional tests and uncertainty requirements for instruments whose functions include measuring, recording, and possibly monitoring power quality parameters in power supply systems, and whose measuring methods (class A or class S) are defined in IEC 61000-4-30.
This document applies to power quality instruments complying with IEC 62586-1.
This document can also be referred to by other product standards (e.g. digital fault recorders, revenue meters, MV or HV protection relays) specifying devices embedding class A or class S power quality functions according to IEC 61000-4-30.
These requirements are applicable in single-, dual- (split phase) and 3-phase AC power supply systems at 50 Hz or 60 Hz.
This second edition cancels and replaces the first edition published in 2013. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition:
- test procedures for RVC and current have been added;
- mistakes have been fixed.

**SIST EN 62657-2:2017** SIST EN 62657-2:2015

**2017-12 (po) (en;fr;de) 94 str. (M)**

**Industrijska komunikacijska omrežja - Brezžična komunikacijska omrežja - 2. del: Upravljanje soobstoja (IEC 62657-2:2017)**

***Industrial communication networks - Wireless communication networks - Part 2: Coexistence management (IEC 62657-2:2017)***

**Osnova:** EN 62657-2:2017
**ICS:** 35.110, 25.040.40

IEC 62657-2:2017,
- specifies the fundamental assumptions, concepts, parameters, and procedures for wireless communication coexistence;
- specifies coexistence parameters and how they are used in an application requiring wireless coexistence;
- provides guidelines, requirements, and best practices for wireless communication's availability and performance in an industrial automation plant; it covers the life-cycle of wireless communication coexistence;
- helps the work of all persons involved with the relevant responsibilities to cope with the critical aspects at each phase of life-cycle of the wireless communication coexistence management in an industrial automation plant. Life-cycle aspects include: planning, design, installation, implementation, operation, maintenance, administration and training;
- provides a common point of reference for wireless communication coexistence for industrial automation sites as a homogeneous guideline to help the users assess and gauge their plant efforts;
- deals with the operational aspects of wireless communication coexistence regarding both the static human/tool-organization and the dynamic network self-organization.
This second edition cancels and replaces the first edition published in 2013. This edition constitutes a technical revision.
This second edition includes the following significant technical changes with respect to the previous edition:
a) update of the normative references, terms, definitions, symbols and abbreviations;
b) addition of terms;
c) checking of the life-cycle terms of this document versus the terms used in IEC 62890: and addition of explanations;
d) addition and modification of text to make the text more readable;
e) alignment of some definitions and specifications of coexistence parameters in order to facilitate their future inclusion in the IEC Common Data Dictionary (IEC CDD) maintained by the IEC.

**SIST EN 62714-3:2017**
**2017-12 (po) (en;fr;de) 86 str. (M)**
**Oblika izmenjave tehničnih podatkov za uporabo v industrijskem inženiringu avtomatizacije sistemov - Označevalni jezik za avtomatizacijo - 3. del: Geometrija in kinematika (IEC 62714-3:2017)**
***Engineering data exchange format for use in industrial automation systems engineering - Automation Markup Language - Part 3: Geometry and kinematics (IEC 62714-3:2017)***
**Osnova: EN 62714-3:2017**
**ICS: 35.240.50, 25.040.40, 35.060**

This part of IEC 62714 specifies the integration of geometry and kinematics information for the exchange between engineering tools in the plant automation area by means of AML.
It does not define details of the data exchange procedure or implementation requirements for the import/export tools.

**SIST EN 62745:2017**
**2017-12 (po) (en;fr;de) 30 str. (G)**
**Varnost strojev - Splošne zahteve za brezžično povezavo upravljalnikov e nadzornih sistemov strojev (IEC 62745:2017)**
***Safety of machinery - General requirements for cableless control systems of machinery (IEC 62745:2017)***
**Osnova: EN 62745:2017**
**ICS: 35.100.01, 13.110**

IEC 62745:2017 specifies requirements for the functionality and interfacing of cableless (for example, radio, infra-red) control systems that provide communication between operator control

station(s) and the control system of a machine. Specific requirements are included for such operator control stations that are portable by the operator.

**SIST EN 62754:2017**
**2017-12 (po) (en;fr;de) 55 str. (J)**
**Izračun negotovosti parametrov valovne oblike (IEC 62754:2017)**
***Computation of waveform parameter uncertainties (IEC 62754:2017)***
**Osnova: EN 62754:2017**
**ICS: 17.220.20**

**IEC 62754:2017 This document specifies methods for the computation of the temporal and amplitude parameters and their associated uncertainty for step-like and impulse-like waveforms. This document is applicable to any and all industries that generate, transmit, detect, receive, measure, and/or analyse these types of pulses.**

**SIST EN 62949:2017** SIST EN 41003:2009
**2017-12 (po) (en) 28 str. (G)**
**Posebne varnostne zahteve za opremo za priključitev na informacijska in komunikacijska omrežja (IEC 62949:2017)**
***Particular safety requirements for equipment to be connected to information and communication networks (IEC 62949:2017)***
**Osnova: EN 62949:2017**
**ICS: 33.050.01, 35.020**

**This document applies to the interface of equipment designed and intended to be connected as a communication terminal to an information and communication technology (ICT) network termination.**
**This document does not apply to:**
**• equipment covered by IEC 62368-1; and**
**• interfaces to other networks.**
**NOTE 1 An example of 'other networks' is a dedicated Home and Building Electronic Systems/Building Automation and Control Systems HBES/BACS network covered by EN 50491-3.**
**This document specifies the safety requirements of the interface to the ICT network only.**
**NOTE 2 See Annex D.**
**Requirements additional to those specified in this document may be necessary for**
**• equipment intended for operation while exposed, for example, to extremes of temperature, to excessive dust, moisture, or vibration, to flammable gases, to corrosive or explosive atmospheres,**
**• electro medical applications with physical connections to the patient.**
**The following requirements are not covered by this document:**
**• functional safety of equipment;**
**• functional reliability of equipment;**
**• communication facilities with remote supply using hazardous voltage;**
**• protection of equipment connected to ICT networks from functional damage.**

**SIST EN 62974-1:2017**
**2017-12 (po) (en;fr;de) 30 str. (G)**
**Sistemi za nadzorovanje in merjenje namenjeni za zbiranje podatkov, nabiranje in analize podatkov - 1. del: Zahteve za napravo (IEC 62974-1:2017)**
***Monitoring and measuring systems used for data collection, gathering and analysis - Part 1: Device requirements (IEC 62974-1:2017)***
**Osnova: EN 62974-1:2017**
**ICS: 27.015, 35.080, 17.220.20**

**IEC 62974-1:2017 specifies product and performance requirements for devices that fall under the heading of “monitoring and measuring systems used for data collection, gathering and**

**analysis”, for industrial, commercial and similar use rated below or equal to 1 kV AC and 1,5 kV DC.**
**These devices are fixed and are intended to be used indoors as panel-mounted devices, or as modular devices fixed on a DIN rail, or as housing devices fixed on a DIN rail, or as devices fixed by other means inside a cabinet.**
**These devices are used to upload or download information (energy measured on loads, power metering and monitoring data, temperature information…), mainly for energy efficiency purposes. These devices are known as energy servers, energy data loggers, data gateways and I/O data concentrators.**

## SIST/TC NAD Naftni proizvodi, maziva in sorodni proizvodi

**SIST EN ISO 2592:2017** SIST EN ISO 2592:2001
**2017-12 (po) (en;fr;de) 25 str. (F)**
**Nafta in sorodni proizvodi - Določevanje plamenišča in točke gorenja - Metoda z odprto posodo po Clevelandu (ISO 2592:2017)**
***Petroleum and related products - Determination of flash and fire points - Cleveland open cup method (ISO 2592:2017)***
**Osnova: EN ISO 2592:2017**
**ICS: 75.080**

**ISO 2592:2017 specifies a procedure for the determination of flash and fire points of petroleum products using the Cleveland open cup apparatus. It is applicable to petroleum products having open cup flash points between 79 °C and 400 °C, except fuel oils which are most commonly tested by the closed cup procedure described in ISO 2719.**

## SIST/TC OTR Izdelki za otroke

**SIST EN 16948:2017**
**2017-12 (po) (en;fr;de) 22 str. (F)**
**Izdelki za zaščito otrok - Zapirala za omare in predale, ki jih potrošniki namestijo za varnost otrok - Varnostne zahteve in preskusne metode**
***Child protective products - Consumer fitted child resistant locking devices for cupboards and drawers - Safety requirements and test methods***
**Osnova: EN 16948:2017**
**ICS: 97.190, 97.140**

**This European Standard specifies requirements and test methods for locking devices fitted by consumers in a domestic environment for cupboards and drawers for restricting access by young children.**
**NOTE Child resistant locking devices only intended to be installed by professionals or that are an integral part of the cupboard and drawer system are beyond the scope of this standard.**

**SIST EN 71-14:2015+A1:2017** SIST EN 71-14:2015/kFprA1:2017
SIST EN 71-14:2015
**2017-12 (po) (en;fr;de) 36 str. (H)**
**Varnost igrač - 14. del: Trampolini za domačo uporabo (vključno z dopolnilom A1)**
***Safety of toys - Part 14: Trampolines for domestic use***
**Osnova: EN 71-14:2014+A1:2017**
**ICS: 97.200.50**

**This European Standard specifies requirements and test methods for trampolines for domestic use, their access devices and their enclosures, intended for outdoor and/or indoor use above ground level by one person at a time.**

**The scope of this European Standard excludes:**
**- trampolines used as gymnastic equipment, covered by EN 13219;**
**- floating inflatable trampolines, covered by the EN 15649 series;**
**- trampolines used in public playgrounds;**
**- inclined mat trampolines;**
**- inflatable trampolines;**
**- fitness trampolines, including trampolines for medical use;**
**- trampolines with additional features, e.g. tents, basket ball hoop;**
**- trampolines for domestic use buried at ground level.**

**SIST EN 71-3:2013+A2:2017** SIST EN 71-3:2013+A1:2014/oprA2:2016
SIST EN 71-3:2013+A1:2014

**2017-12 (po) (en;fr;de) 56 str. (J)**
**Varnost igrač - 3. del: Migracija določenih elementov (z dopolnili do vključno A2)**
***Safety of toys - Part 3: Migration of certain elements***
**Osnova:** **EN 71-3:2013+A2:2017**
**ICS:** **97.200.50**

**This European Standard specifies requirements and test methods for the migration of aluminium, antimony, arsenic, barium, boron, cadmium, chromium (III), chromium (VI), cobalt, copper, lead, manganese, mercury, nickel, selenium, strontium, tin, organic tin and zinc from toy materials and from parts of toys.**
**Packaging materials are not considered to be part of the toy unless they have intended play value.**
**NOTE 1 See guidance document of the European Commission guidance document no. 12 [2] on the application of the Directive on the safety of toys - packaging.**
**The standard contains requirements for the migration of certain elements from the following categories of toy materials:**
**- Category I: Dry, brittle, powder like or pliable materials;**
**- Category II: Liquid or sticky materials;**
**- Category III: Scraped-off materials.**
**The requirements of this standard do not apply to toys or parts of toys which, due to their accessibility, function, volume or mass, clearly exclude any hazard due to sucking, licking or swallowing or prolonged skin contact when the toy or part of toy is used as intended or in a foreseeable way, bearing in mind the behaviour of children.**
**NOTE 2 For the purposes of this standard, for the following toys and parts of toys the likelihood of sucking, licking or swallowing toys is considered significant (see H.2 and H.3):**
**- All toys intended to be put in the mouth or to the mouth, cosmetics toys and writing instruments categorised as toys can be considered to be sucked, licked or swallowed;**
**- All the accessible parts and components of toys intended for children up to 6 years of age can be considered to come into contact with the mouth. The likelihood of mouth contact with parts of toys intended for older children is not considered significant in most cases (see H.2).**

**SIST EN 71-7:2014+A1:2017** SIST EN 71-7:2014/kFprA1:2017
SIST EN 71-7:2014

**2017-12 (po) (en;fr;de) 72 str. (L)**
**Varnost igrač - 7. del: Prstne barve - Zahteve in preskusne metode (vključno z dopolnilom A1)**
***Safety of toys - Part 7: Finger paints - Requirements and test methods***
**Osnova:** **EN 71-7:2014+A1:2017**
**ICS:** **97.200.50**
**This part of EN 71 specifies requirements for the substances and materials used in finger paints and applies to finger paints only.**
**Additional requirements are specified for markings, labelling and containers.**

## SIST/TC PIP Pigmenti in polnila

**SIST EN ISO 18451-1:2017**
**2017-12 (po) (en;fr;de) 31 str. (G)**
**Pigmenti, barvila in polnila - Terminologija - 1. del: Splošni izrazi (ISO 18451-1:2015)**
***Pigments, dyestuffs and extenders - Terminology - Part 1: General terms (ISO 18451-1:2015)***
**Osnova: EN ISO 18451-1:2017**
**ICS: 87.060.10, 01.040.87**

**ISO 18451-1:2015 defines terms that are used in the field of pigments, dyestuffs and extenders.**
**For some terms, reference is made to ISO 4618 in which also terms and definitions for colourants are given, relating to their use in coating materials.**
**In addition to terms in English and French (two of the three official ISO languages), this part of ISO 18451 gives the equivalent terms in German; these are published under the responsibility of the member body for Germany (DIN). However, only the terms and definitions given in the official languages can be considered as ISO terms and definitions.**
**NOTE Those terms that are defined elsewhere in this part of ISO 18451 are shown in italics.**

**SIST EN ISO 18451-2:2017**
**2017-12 (po) (en;fr;de) 24 str. (F)**
**Pigmenti, barvila in polnila - Terminologija - 2. del: Razvrstitev sredstev za obarvanje glede na barvne in kemijske lastnosti (ISO 18451-2:2015)**
***Pigments, dyestuffs and extenders - Terminology - Part 2: Classification of colouring materials according to colouristic and chemical aspects (ISO 18451-2:2015)***
**Osnova: EN ISO 18451-2:2017**
**ICS: 87.060.10**

**ISO 18451-2:2015 applies for the industry producing colouring materials and the consumer who uses the products of this industry. In this part of ISO 18451, the colouring materials are classified in accordance with colouristic and chemical aspects.**
**Some dyestuffs for use in the ceramics and food industries are listed as examples.**

## SIST/TC PKG Preskušanje kovinskih gradiv

**SIST EN 10247:2017**
**2017-12 (po) (en) 81 str. (M)**
**Mikrografsko ugotavljanje deleža nekovinskih vključkov v jeklih z uporabo standardnih slik**
***Micrographic examination of the non-metallic inclusion content of steels using standard pictures***
**Osnova: EN 10247:2017**
**ICS: 77.080.20, 77.040.99**

**This draft European Standard defines a method of microscopic non-metallic endogenous inclusion assessment using picture charts.**
**The method does not apply to particles of a length or diameter less than 3,0 µm or a width smaller than 2,0 µm. If defined by a product standard or agreement between the involved parties for certain special products, inclusions with a width below 2,0 µm can be evaluated by length alone.Inclusions with dimensions exceeding the upper limits in Table 2 are evaluated as belonging to the maximum class and noted separately with their true dimensions (see 7.5.6).**
**It is assumed, if particles are elongated or if there are stringers of particles, that they are parallel to each other. Other arrangements are not covered by this draft standard. This draft European Standard applies to samples with a microscopic precipitation approaching random distribution.**
**From the data of measurements obtained by this method, evaluation according to other standards can be established.**
**This draft European Standard does not apply to free cutting steels.**

**NOTE The basic principle of this draft European Standard allows the determination of non-metallic inclusion content by image analysis techniques.**

**SIST EN 1330-9:2017** SIST EN 1330-9:2009
**2017-12 (po) (en) 13 str. (D)**
**Neporušitvene preiskave - Terminologija - 9. del: Izrazi, ki se uporabljajo pri akustični emisiji**
***Non-destructive testing - Terminology - Part 9: Terms used in acoustic emission testing***
**Osnova: EN 1330-9:2017**
**ICS: 19.100, 01.040.19**

**This European Standard is concerned only with terms used specifically in acoustic emission testing (AT) and these fall into four parts:**
**- terms relating to the physical phenomenon;**
**- terms relating to the detection of the acoustic emission;**
**- terms relating to the measured characteristics of the signal(s);**
**- terms relating to acoustic emission applications.**

**SIST EN ISO 18563-2:2017** SIST EN 16392-2:2014
**2017-12 (po) (en;fr;de) 16 str. (D)**
**Neporušitvene preiskave - Karakterizacija in preverjanje ultrazvočne opreme faznih sistemov - 2. del: Sonde (ISO 18563-2:2017)**
***Non-destructive testing - Characterization and verification of ultrasonic phased array equipment - Part 2: Probes (ISO 18563-2:2017)***
**Osnova: EN ISO 18563-2:2017**
**ICS: 19.100**

**This document covers following phased array probes used for ultrasonic non-destructive testing in contact technique (with or without a wedge) or in immersion technique, with centre frequencies in the range 0,5 MHz – 10 MHz.**
**- linear,**
**- encircling,**
**- 2D matrix,**
**- partial annular sectorial (Type “Daisy”)**
**This document specifies the characterisation tests that have to be done at the end of the fabrication of a phased array probe. It defines both methodology and acceptance criteria.**
**This document does not describe methods and acceptance criteria to characterise the performance of an ultrasonic phased array instrument or the performance of a combined system. These are described in EN ISO 18563-1 and in EN ISO 18563-3.**

**SIST-TP CEN/TR 17108:2017**
**2017-12 (po) (en;fr;de) 27 str. (G)**
**Neporušitvene preiskave - Osvetlitev pri preiskavah s penetranti in magnetnimi delci, dobra praksa**
***Non-destructive testing - Lighting in penetrant and magnetic particle testing, good practice***
**Osnova: CEN/TR 17108:2017**
**ICS: 19.100**

**This Technical Report describes the good practices of lighting under UV-A radiation and in white light as used for penetrant and magnetic particle testing.**
**This informative document deals with the irradiances and the illuminances used in penetrant and magnetic testing. It is intended for:**
**- manufacturers, encouraged to supply the criteria and the restrictions on use of their products, as well as detailed characteristics for the appropriate choice and the optimum use of sources available on the market,**
**- users, to make the best use of UV-A sources for efficient inspections and in the best conditions of use,**

- supervision and training centres, which may knowingly design and optimally arrange the inspection areas, recommend the principles of visual ergonomics for ensuring the inspectors' efficiency, comfort and safety.

**SIST-TS CEN/TS 17100:2017**
**2017-12 (po) (en;fr;de) 15 str. (D)**
**Neporušitvene preiskave - Pregled s penetranti in magnetnimi delci - Referenčne fotografije in dimenzioniranje označb**
***Non-destructive testing - Penetrant and magnetic particle testing - Reference photographs and sizing of indications***
**Osnova: CEN/TS 17100:2017**
**ICS: 19.100**

**This document specifies minimum requirements in order to obtain and reproduce photographs used as reference records relative to PT (penetrant testing) colour contrast and fluorescent indications. It also provides requirements for the monitoring of resolution when measurements are to be indirectly performed by recording.**

## SIST/TC PLN Plinske naprave za dom

**SIST EN 14543:2017** SIST EN 14543:2005+A1:2008
**2017-12 (po) (en;fr;de) 44 str. (I)**
**Specifikacija za plinske aparate na utekočinjeni naftni plin - Prostostoječi gobasti grelniki za terase - Sevalni grelniki brez priključka na dimnik za zunanjo uporabo ali uporabo v dobro prezračevanih prostorih**
***Specification for dedicated liquefied petroleum gas appliances - Parasol patio heaters - Flueless radiant heaters for outdoor or amply ventilated area use***
**Osnova: EN 14543:2017**
**ICS: 97.100.20**

**This European standard specifies the design, safety and marking requirements and test methods for flueless patio heaters for outdoor or amply ventilated area use only.**
**Although they are not covered by this standard, the requirements of this standard are applicable to appliances that may be used inside habitations which, in addition, shall have a heat input not exceeding 4,2 kW and comply with EN 449.**
**These appliances are for use exclusively with gases of the third family as defined in Clause 4.**
**This European standard applies to appliances that have a nominal heat input not exceeding 17 kW (based on the gross calorific value);**
**• fixed or,**
**• movable, including those which comprise a housing for a transportable and rechargeable liquefied petroleum gas cylinder.**
**This European standard does not apply to appliances equipped with a fan for either combustion or circulation of the convection air.**
**This European standard does not cover LPG containers for liquefied petroleum gas, neither their associated regulator nor tubing and flexible hoses which shall comply with national requirements in force.**
**This European standard does not lay down any specific requirements for the thermal efficiency of this type of appliances, but the requirements relating to combustion, which is a safety matter, ensure that the gas fuel will burn efficiently. However a method to measure the performance is described in informative Annex C.**
**This standard does not apply to appliances covered by EN 416-1, EN 419-1, EN 449, EN 461 and EN 521.**
**This European standard only covers type testing.**
**Items relating to quality assurance systems, production testing and particularly certificates of conformity of auxiliary equipment are not covered by this European standard.**

**SIST EN 15181:2017** SIST EN 15181:2008

**2017-12 (po) (en;fr;de) 26 str. (F)**

**Merilna metoda porabe plina v plinskih pečicah**

***Measuring method of the energy consumption of gas fired ovens***

**Osnova:** EN 15181:2017

**ICS:** 97.040.20

This document specifies the method of test for determining the gas energy consumption in gas-fired domestic ovens when they are being used in one or more of the oven cooking modes defined in 3.1. It applies to the gas-fired domestic ovens which are capable of utilizing gases of group H or group E, possibly after conversion according to instructions for use.
It applies to these gas-fired domestic ovens, whether they are separate appliances or component parts of domestic cooking appliances.
It also applies to domestic appliances that can utilize gas and/or electrical energy to provide heat for cooking when the ovens are utilizing gas energy to provide heat for cooking, but not when electric energy is used to provide any or all of the heat for cooking in the oven.
It is not applicable to:
- microwave combination ovens;
- small cavities ovens (3.2);
- oven cavities not provided with devices to detect and control the temperature for the preparation of food;
- cooking modes others than defined in 3.1.1 and 3.1.2;
- ovens connected to a chimney in which the gas energy for cooking provides, by design, also space and/or water heating;
- appliances designed for use with gases of the third family only.
This document is concerned neither with safety nor with overall performance requirements.

**SIST EN 16830:2017**

**2017-12 (po) (en;fr;de) 31 str. (G)**

**Varnostne in nadzorne naprave za gorilnike in aparate na plin ali tekoča goriva - Krmilne in nadzorne funkcije v elektronskih sistemih - Krmiljenje temperature**

***Safety and control devices for burners and appliances burning gaseous or liquid fuels - Control functions in electronic systems - Temperature Control function***

**Osnova:** EN 16830:2017

**ICS:** 27.060.20, 97.100.20

This European Standard specifies the safety, design, construction and performance requirements for Temperature Control Function (TCF) and Combustion Product Discharge Safety Device (TTB) intended for use with burners and appliances using gaseous or liquid fuels.
It also describes the test procedures for checking compliance with these requirements.
This European Standard is applicable to AC and DC supplied TCF and TTB (for TCF and TTB supplied by stand-alone battery system, battery systems for mobile applications or systems which are intended to be connected to DC supply networks, see Annex I).
This European Standard is applicable to electronically based TTB and TCF only.

**SIST EN 303-1:2017** SIST EN 15034:2007
SIST EN 15034:2007/AC:2008
SIST EN 303-1:1999
SIST EN 303-1:1999/A1:2004

**2017-12 (po) (en;fr;de) 37 str. (H)**

**Kotli za gretje - 1. del: Kotli z ventilatorskimi gorilniki - Terminologija, splošne zahteve, preskušanje in označevanje**

***Heating boilers - Part 1: Heating boilers with forced draught burners - Terminology, general requirements, testing and marking***

**Osnova:** EN 303-1:2017

**ICS:** 27.060.01, 91.140.10, 01.040.91

This European Standard applies to standard boilers and low temperature boilers with forced draught burners with a nominal heat output not exceeding 1 000 kW, which are operated either with negative pressure (natural draught boilers) or with positive pressure (pressurised boiler) in the combustion chamber, in accordance with the boiler manufacturer's instruction.
This standard specifies the necessary terminology, the requirements on the materials and testing of them, and marking requirements for heating boilers.
Particular requirements for boilers which can be used with open vented systems are contained in EN 303 4. The requirements of this standard apply to heating boilers which are tested on an authorised test rig.
Boilers in accordance with this standard are designed for the heating of central heating installations in which the heat carrier is water, and the maximum allowable operating temperature of which is restricted to 100 °C. The maximum allowable operating pressure is 8 bar.
For boilers with a built in or attached water heater (storage or continuous flow heater) this standard only applies to the parts of the water heater which are necessarily subject to the operating conditions of the heating boiler (heating part).
This standard does not apply to gas boilers with atmospheric burners, boilers for solid fuels, oil or gas fired condensing boilers and boilers with oil vaporisation burners. For these boilers there are further requirements.

**SIST EN 303-2:2017**

SIST EN 15034:2007
SIST EN 15034:2007/AC:2008
SIST EN 303-2:1999
SIST EN 303-2:1999/A1:2004

**2017-12 (po) (en;fr;de) 16 str. (D)**
Kotli za gretje - 2. del: Kotli z ventilatorskimi gorilniki - Posebne zahteve za kotle z razprševalnimi oljnimi gorilniki
*Heating boilers - Part 2: Heating boilers with forced draught burners - Special requirements for boilers with atomizing oil burners*
Osnova: EN 303-2:2017
ICS: 27.060.10, 91.140.10

This standard is applicable to heating boilers in accordance with EN 303-1 up to a nominal heat output of 1 000 kW and EN 303-4 up to a nominal heat output of 70 kW with atomizing oil burners in accordance with EN 267 which are designed for operating with liquid fuels.
This European Standard applies to low temperature boilers in accordance with EN 303 1/A1 and specifies the heating related requirements necessary for liquid fuels for low temperature boilers and the required additional duration test for oil fired low temperature boilers.
The performance requirements of this standard apply to type testing to heating boilers (standard, low temperature and condensing boilers) which are tested on a test rig in accordance with the test code given in EN 304.
This standard applies also to room sealed boilers as defined in EN 15035 regarding efficiency and emissions.
This standard specifies the necessary heating technical requirements for heating boilers with liquid fuels.
NOTE This Standard can also be used as the basis for evaluation of package boiler /burner units.

## SIST/TC PSE Procesni sistemi v energetiki

**SIST EN 62488-2:2017**
**2017-12 (po) (en) 81 str. (M)**
Sistemi komunikacij po elektroenergetskih vodih za elektroenergetska podjetja - 2. del: Priključki za analogne komunikacijske sisteme (APLC)
*Power line communication systems for power utility applications - Part 2: Analogue power line carrier terminals (APLC)*
Osnova: EN 62488-2:2017
ICS: 29.240.01, 33.200

**This part of IEC 62488 applies to Amplitude Modulation Single Sideband (AM-SSB) Analogue Power Line Carrier (APLC) Terminals and Systems used to transmit information over power lines (EHV/HV/MV).**
**In particular this document covers basically baseband signals with bandwidths of 4 kHz and 2,5 kHz, or multiples thereof, corresponding to the same high frequency bandwidth/s for single or multi-channel APLC terminals.**

## SIST/TC PVS Fotonapetostni sistemi

**SIST EN 62920:2017**
**2017-12 (po) (en) 55 str. (J)**
**Fotonapetostni energetski sistemi - Zahteve EMC in preskusne metode za opremo močnostnih pretvornikov**
***Photovoltaic power generating systems - EMC requirements and test methods for power conversion equipment***
**Osnova: EN 62920:2017**
**ICS: 33.100.01, 27.160**

**IEC 62920:2017 specifies electromagnetic compatibility (EMC) requirements for DC to AC power conversion equipment (PCE) for use in photovoltaic (PV) power systems. The PCE covered by this document can be grid-interactive or stand-alone. It can be supplied by single or multiple photovoltaic modules grouped in various array configurations, and can be intended for use in conjunction with batteries or other forms of energy storage. This document covers not only PCE connected to a public low voltage AC mains network or other low voltage AC mains installation, but also PCE connected to a medium or high voltage AC network with or without step-down power transformers.**

## SIST/TC SKA Stikalni in krmilni aparati

**SIST EN 60947-2:2017** SIST EN 60947-2:2006
SIST EN 60947-2:2006/A1:2009
SIST EN 60947-2:2006/A2:2013
**2017-12 (po) (en) 249 str. (T)**
**Nizkonapetostne stikalne naprave - 2. del: Odklopniki (IEC 60947-2:2016)**
***Low-voltage switchgear and controlgear - Part 2: Circuit-breakers (IEC 60947-2:2016)***
**Osnova: EN 60947-2:2017**
**ICS: 29.130.20**

**The requirements and test methods for circuit-breakers incorporating residual current protection with automatic reclosing functions are contained in Annex R.**
**Supplementary requirements for circuit-breakers used as direct-on-line starters are given in IEC 60947-4-1, applicable to low-voltage contactors and starters.**
**The requirements for circuit-breakers for the protection of wiring installations in buildings and similar applications, and designed for use by uninstructed persons, are contained in IEC 60898.**
**The requirements for circuit-breakers for equipment (for example electrical appliances) are contained in IEC 60934.**
**For certain specific applications (for example traction, rolling mills, marine service) particular or additional requirements may be necessary.**
**NOTE Circuit-breakers which are dealt with in this standard can be provided with devices for automatic opening under predetermined conditions other than those of over-current and undervoltage as, for example, reversal of power or current. This standard does not deal with the verification of operation under such pre-determined conditions.**
**The object of this standard is to state:**
**a) the characteristics of circuit-breakers;**
**b) the conditions with which circuit-breakers shall comply with reference to:**
**1) operation and behaviour in normal service;**

2) operation and behaviour in case of overload and operation and behaviour in case of short-circuit, including co-ordination in service (selectivity and back-up protection);
3) dielectric properties;
c) tests intended for confirming that these conditions have been met and the methods to be adopted for these tests;
d) information to be marked on or given with the apparatus.

**SIST EN 62683:2017** SIST EN 62683:2016
**2017-12 (po) (en) 140 str. (O)**
**Nizkonapetostne stikalne in krmilne naprave - Podatki o izdelku in njegovih lastnostih za izmenjavo informacij - 1. del: Kataloški podatki (IEC 62683-1:2017)**
***Low-voltage switchgear and controlgear - Product data and properties for information exchange - Part 1: Catalogue data (IEC 62683-1:2017)***
**Osnova: EN 62683-1:2017**
**ICS: 29.130.20**

This document establishes the reference dictionary of the general description of low-voltage switchgear and controlgear classes based on defined properties.
This dictionary is used to facilitate the exchange in electronic format of data describing lowvoltage switchgear and controlgear.
This document provides clear and unambiguous definitions of a limited number of properties and classes which are mainly used for presentation, selection and identification of products particularly in electronic catalogues. Each property has an unambiguously defined meaning and naming, and, where relevant, a defined value list, a defined format and a defined unit.
The intention is not to cover manufacturer-specific features.

## SIST/TC SPO Šport

**SIST EN 15194:2017** SIST EN 15194:2009+A1:2012
**2017-12 (po) (en) 135 str. (O)**
**Kolesa - Kolesa z električnim pomožnim pogonom - Kolesa EPAC**
***Cycles - Electrically power assisted cycles - EPAC Bicycles***
**Osnova: EN 15194:2017**
**ICS: 43.150, 43.120**

This European Standard is intended to cover electrically power assisted cycles of a type which have a maximum continuous rated power of 0,25 kW, of which the output is progressively reduced and finally cut off as the vehicle reaches a speed of 25 km/h, or sooner, if the cyclist stops pedalling.
This European Standard specifies safety requirements and test methods for the assessment of the design and assembly of electrically power assisted bicycles and sub-assemblies for systems using battery voltage up to 48 VDC or integrated a battery charger with a 230 V input.
This European Standard specifies requirements and test methods for engine power management systems, electrical circuits including the charging system for the assessment of the design and assembly of electrically power assisted cycles and sub-assemblies for systems having a voltage up to and including 48 VDC or integrated a battery charger with a 230 V input.

**SIST EN ISO 25649-1:2017** SIST EN 15649-1:2010+A2:2014
**2017-12 (po) (en) 39 str. (H)**
**Plavajoči pripomočki za prosti čas, ki se uporabljajo na vodi in v njej - 1. del: Razvrstitev, materiali, splošne zahteve in preskusne metode (ISO 25649-1:2017)**
***Floating leisure articles for use on and in the water - Part 1: Classification, materials, general requirements and test methods (ISO 25649-1:2017)***
**Osnova: EN ISO 25649-1:2017**
**ICS: 97.220.40**

This European Standard specifies safety requirements and test methods related to materials, safety, performance for classified floating leisure articles for use on and in water in accordance with Clause 4 (see Table 1).
This document (EN 15649-1) is only applicable with EN 15649-2 and the relevant specific parts (EN 15649-3 to EN 15649-7).
NOTE 1 Specific safety requirements are specified in the specific parts EN 15649-3 to EN 15649-7.
NOTE 2 The specific parts can include exclusions from the general requirements specified in this document and/or EN 15649-2.

**SIST EN ISO 25649-2:2017** SIST EN 15649-2:2010+A2:2013
**2017-12 (po) (en) 30 str. (G)**
Plavajoči pripomočki za prosti čas, ki se uporabljajo na vodi in v njej - 2. del: Informacije za potrošnika (ISO 25649-2:2017)
*Floating leisure articles for use on and in the water - Part 2: Consumer information (ISO 25649-2:2017)*
Osnova: EN ISO 25649-2:2017
ICS: 97.220.40

This European Standard specifies consumer information for classified floating leisure articles for use on and in water according to EN 15649-1.
This document (EN 15649-2) is applicable with EN 15649-1 and the relevant specific parts (EN 15649-3 to EN 15649-7).
NOTE 1 Specific safety requirements are specified in the specific parts EN 15649-3 to EN 15649-7.
NOTE 2 The specific parts can include exclusions from the general requirements specified in this document and/or EN 15649-1.

**SIST EN ISO 25649-3:2017** SIST EN 15649-3:2010+A1:2012
**2017-12 (po) (en) 24 str. (F)**
Plavajoči pripomočki za prosti čas, ki se uporabljajo na vodi in v njej - 3. del: Dodatne posebne varnostne zahteve in preskusne metode za pripomočke razreda A (ISO 25649-3:2017)
*Floating leisure articles for use on and in the water - Part 3: Additional specific safety requirements andtest methods for Class A devices (ISO 25649-3:2017)*
Osnova: EN ISO 25649-3:2017
ICS: 97.220.40

This European Standard is applicable for CLASS A classified floating leisure articles for use on and in water according to EN 15649-1 regardless whether the buoyancy is achieved by inflation or inherent buoyant material.
This document (EN 15649-3) is applicable with EN 15649-1 and EN 15649-2.

**SIST EN ISO 25649-4:2017** SIST EN 15649-4:2010+A1:2012
**2017-12 (po) (en) 34 str. (H)**
Plavajoči pripomočki za prosti čas, ki se uporabljajo na vodi in v njej - 4. del: Dodatne posebne varnostne zahteve in preskusne metode za pripomočke razreda B (ISO 25649-4:2017)
*Floating leisure articles for use on and in the water - Part 4: Part 4: Additional specific safety requirements andtest methods for Class B devices (ISO 25649-4:2017)*
Osnova: EN ISO 25649-4:2017
ICS: 97.220.40

This European Standard specifies safety requirements and test methods related to materials, safety, performance and consumer information for classified floating leisure articles for use on and in the water according to EN 15649-1.
This document is applicable with EN 15649-1 and EN 15649-2.
This European Standard is applicable for Class B floating leisure articles for use on and in the water according to EN 15649-1 regardless whether the buoyancy is achieved by inflation or

**inherent buoyant material.Class B devices provide a buoyant structure with one or more body openings into which the user is positioned partly immersed.**

**SIST EN ISO 25649-5:2017** SIST EN 15649-5:2010
**2017-12 (po) (en) 29 str. (G)**
**Plavajoči pripomočki za prosti čas, ki se uporabljajo na vodi in v njej - 5. del: Dodatne posebne varnostne zahteve in preskusne metode za pripomočke razreda C (ISO 25649-5:2017)**
***Floating leisure articles for use on and in the water - Part 5: Additional specific safety requirements and test methods for Class C devices (ISO 25649-5:2017)***
**Osnova: EN ISO 25649-5:2017**
**ICS: 97.220.40**

**This European Standard is applicable for CLASS C classified floating leisure articles for use on and in water according to EN 15649-1 regardless of whether the buoyancy is achieved by inflation or inherent buoyant material.**
**This document (EN 15649-5) is applicable with EN 15649-1 and EN 15649-2.**

**SIST EN ISO 25649-6:2017** SIST EN 15649-6:2010+A1:2014
**2017-12 (po) (en) 27 str. (G)**
**Plavajoči pripomočki za prosti čas, ki se uporabljajo na vodi in v njej - 6. del: Dodatne posebne varnostne zahteve in preskusne metode za pripomočke razreda D (ISO 25649-6:2017)**
***Floating leisure articles for use on and in the water - Part 6: Additional specific safety requirements and test methods for Class D devices (ISO 25649-6:2017)***
**Osnova: EN ISO 25649-6:2017**
**ICS: 97.220.40**

**This European Standard is applicable for CLASS D floating leisure articles for use on and in water according to EN 15649-1 regardless whether the buoyancy is achieved by inflation or inherent buoyant material. This document (EN 15649-6) is applicable with EN 15649-1 and EN 15649-2.**

**SIST EN ISO 25649-7:2017** SIST EN 15649-7:2010
**2017-12 (po) (en) 35 str. (H)**
**Plavajoči pripomočki za prosti čas, ki se uporabljajo na vodi in v njej - 7. del: Dodatne posebne varnostne zahteve in preskusne metode za pripomočke razreda E (ISO 25469-7:2017)**
***Floating leisure articles for use on and in the water - Part 7: Additional specific safety requirements and test methods for class E devices (ISO 25469-7:2017)***
**Osnova: EN ISO 25649-7:2017**
**ICS: 97.220.40**

**This European Standard is applicable for CLASS E floating leisure articles for use on and in water according to EN 15649-1 regardless whether the buoyancy is achieved by inflation or inherent buoyant material.**
**This document (EN 15649-7) is applicable with EN 15649-1 and EN 15649-2.**
**Class E devices are intended for use in bathing areas or in protected and safe shore zones.**

## SIST/TC STV Steklo, svetloba in razsvetljava v gradbeništvu

**SIST-TP CEN/TR 16791:2017**
**2017-12 (po) (en) 24 str. (F)**
**Vrednotenje sevanja za ne-slikovne učinke svetlobe pri gledanju**
***Quantifying irradiance for eye-mediated non-image forming effects of light in humans***
**Osnova: CEN/TR 16791:2017**
**ICS: 17.180.20**

**This European Standard defines metrics that can be used to evaluate and compare lighting conditions with respect to their potential to achieve non-image forming, eye-mediated effects of light in human beings. This European Standard also provides information for application in lighting practice with relevance for both the public and private domain. However, the scientific knowledge is not yet mature enough to craft specifications for lighting conditions that can achieve specific non-image forming effects in humans. Moreover, this European Standard does not give information on lighting practices related to shift work.**
**This European Standard does not address health safety issues such as resulting from flicker, photobiological safety or the effects of non-visible optical radiation (ultraviolet and infrared radiation).**

## SIST/TC VAZ Varovanje zdravja

**SIST EN ISO 15798:2013/A1:2017**
**2017-12 (po) (en) 11 str. (C)**
**Očesni vsadki (implantati) - Očesni kirurški pripomočki - Dopolnilo A1 (ISO 15798:2013/Amd 1:2017)**
***Ophthalmic implants - Ophthalmic viscosurgical devices - Amendment 1 (ISO 15798:2013/Amd 1:2017)***
**Osnova: EN ISO 15798:2013/A1:2017**
**ICS: 11.040.70**

**Dopolnilo A1 je dodatek k standardu SIST EN ISO 15798:2013.**
**Ta mednarodni standard se uporablja za očesne kirurške pripomočke (razred neaktivnih kirurških vsadkov z viskoznimi in/ali viskoznoelastičnimi lastnostmi), ki so namenjeni za uporabo med operacijo v frontalnem segmentu človeškega očesa. Očesni kirurški pripomočki so namenjeni ustvarjanju in vzdrževanju prostora, zaščiti tkiv znotraj očesa in manipulaciji tkiva med operacijo. Ta mednarodni standard določa zahteve glede varnosti za predvidene lastnosti, atribute načrtovanja, predklinično in klinično vrednotenje, sterilizacijo, pakiranje izdelkov, označevanje izdelkov in informacije, ki jih dobavlja proizvajalec teh pripomočkov.**

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

**SIST EN 60335-1:2012/A13:2017**
**2017-12 (po) (en) 14 str. (D)**
**Gospodinjski in podobni električni aparati - Varnost - 1. del: Splošne zahteve - Dopolnilo A13**
***Household and similar electrical appliances - Safety - Part 1: General requirements***
**Osnova: EN 60335-1:2012/A13:2017**
**ICS: 97.030, 13.120**

**Dopolnilo A13 je dodatek k standardu SIST EN 60335-1:2012.**
**Ta mednarodni standard obravnava varnost električnih aparatov za gospodinjstvo in podobne namene z nazivno napetostjo, ki ne presega 250 V za enofazne naprave in 480 V za druge naprave.**

## SIST/TC VSN Varnost strojev in naprav

**SIST EN ISO 19085-1:2017**
**2017-12 (po) (en;de) 57 str. (J)**
**Lesnoobdelovalni stroji - Varnost - 1. del: Splošne zahteve (ISO 19085-1:2017)**
***Woodworking machines - Safety - Part 1: Common requirements (ISO 19085-1:2017)***
**Osnova: EN ISO 19085-1:2017**
**ICS: 13.110, 79.120.10**

**This International Standard is applicable to woodworking machines with cutting tools and/or sanding tools as defined in 3.1 when they are used as intended and under the conditions foreseen by the manufacturer.**
**This document contains the safety requirements and measures to reduce risks related to woodworking machines arising during operation, adjustment, maintenance, transport, assembly, dismantling, disabling and scrapping: those that are common to most of such machines.**

**SIST EN ISO 19085-2:2017**
**2017-12 (po) (en;de) 47 str. (I)**
**Lesnoobdelovalni stroji - Varnost - 2. del: Formatne horizontalne krožne žage za razrez plošč (ISO 19085-2:2017)**
***Woodworking machines - Safety - Part 2: Horizontal beam panel circular sawing machines (ISO 19085-2:2017)***
**Osnova:** **EN ISO 19085-2:2017**
**ICS:** **25.080.60, 79.120.10**

**This international standard deals with all significant hazards, hazardous situations and events as listed in Clause 4 which are relevant to horizontal beam panel sawing machines with the saw carriage of the front cutting line mounted below the workpiece support, which are manually or mechanically loaded and/or unloaded, hereinafter referred to as "machines", when they are operated, adjusted and maintained as intended and under the conditions foreseen by the manufacturer including reasonably foreseeable misuse. Also transport, assembly, dismantling, disabling and scrapping phases have been taken into account.**

**SIST EN ISO 19085-5:2017** SIST EN 1870-18:2013
**2017-12 (po) (en;de) 62 str. (K)**
**Lesnoobdelovalni stroji - Varnost - 5. del: Formatne žage (ISO 19085-5:2017)**
***Woodworking machines - Safety - Part 5: Dimension saws (ISO 19085-5:2017)***
**Osnova:** **EN ISO 19085-5:2017**
**ICS:** **25.080.60, 79.120.10**

**This international standard deals with all significant hazards, hazardous situations and events as listed in Clause 4 which are relevant to stationary and displaceable dimensions saws, hereinafter referred to as machines‖, designed to cut wood and material with similar physical characteristics to wood, when they are operated, adjusted and maintained as intended and under the conditions foreseen by the manufacturer including reasonably foreseeable misuse. Also transport, assembly, dismantling, disabling and scrapping phases are taken into account. The machines may also be fitted with one or more of the following devices/facilities, whose hazards have been dealt with:**
**a) facility for the main saw blade and scoring saw blade (if any) to be raised and lowered;**
**b) facility to tilt the main saw blade and scoring saw blade (if any) for angled cutting;**
**c) facility for scoring;**
**d) facility for grooving with milling tool with a width not exceeding 20 mm in one pass;**
**e) demountable power feed unit;**
**f) post-formed edge pre-cutting unit;**
**g) power operated sliding table;**
**h) workpiece clamping.**

**SIST EN ISO 9241-333:2017**
**2017-12 (po) (en;fr;de) 41 str. (I)**
**Ergonomija medsebojnega vpliva človek-sistem - 333. del: Stereoskopski zasloni z uporabo očal (ISO 9241-333:2017)**
***Ergonomics of human-system interaction - Part 333: Stereoscopic displays using glasses (ISO 9241-333:2017)***
**Osnova:** **EN ISO 9241-333:2017**
**ICS:** **35.180, 13.180**

**This part of ISO 9241 provides ergonomic requirements for stereoscopic displays using glasses. These requirements are stated as performance specifications, aimed at ensuring effective and comfortable viewing conditions for users, and at reducing visual fatigue caused by stereoscopic images on stereoscopic display using glasses. Test methods and metrology, yielding conformance measurements and criteria, are provided for design evaluation.**
**This part of ISO 9241 is applicable to temporally or spatially interlaced type. These are implemented by flatpanel displays, projection displays, etc.**
**Stereoscopic displays using glasses can be applied to many contexts of use. However, this part focuses on business and home leisure applications (i.e., observing moving images, games, and so on). Only dark environments are specified in the current version of this part.**

**SIST EN ISO/IEC 25063:2017**
**2017-12 (po) (en;fr;de) 42 str. (I)**
**Sistemi in programska oprema - Zahteve za kakovost in vrednotenje sistemov in programske opreme (SQuaRE) - Skupni industrijski format (CIF) za uporabnost: kontekst opisa uporabe (ISO/IEC 25063:2014)**
***Systems and software engineering - Systems and software product Quality Requirements and Evaluation (SQuaRE) - Common Industry Format (CIF) for usability: Context of use description (ISO/IEC 25063:2014)***
**Osnova: EN ISO/IEC 25063:2017**
**ICS: 35.080**

**ISO/IEC 25063:2014 describes the Common Industry Format (CIF) for context of use descriptions and specifies the contents of both high-level and detailed descriptions of the context of use for an existing, intended, implemented or deployed system. A context-of-use description includes information about the users and other stakeholder groups, the characteristics of each user group, the goals of the users, the tasks of the users, and the environment(s) in which the system is used.**
**The context of use description is applicable to software and hardware systems, products or services (excluding generic products, such as a display screen or keyboard). It is important to gather and analyse information on the current context in order to understand and then describe the context that will apply in the future system. The context of use description provides a collection of data relevant for analysis, specification, design and evaluation of an interactive system from the perspective of the various user groups and other stakeholders.**

**SIST EN ISO/IEC 25064:2017**
**2017-12 (po) (en;fr;de) 32 str. (G)**
**Sistemi in programska oprema - Zahteve za kakovost in vrednotenje programske opreme (SQuaRE) - Skupni industrijski format (CIF) za uporabnost: poročilo o uporabniških potrebah (ISO/IEC 25064:2013)**
***Systems and software engineering - Software product Quality Requirements and Evaluation (SQuaRE) - Common Industry Format (CIF) for usability: User needs report (ISO/IEC 25064:2013)***
**Osnova: EN ISO/IEC 25064:2017**
**ICS: 03.120.01, 35.080**

**ISO/IEC 25064:2013 describes the Common Industry Format (CIF) for user needs reports, and provides specifications for their contents and format, including the content elements to be provided. User needs reports include both the collection and documentation of information from various sources relevant to user needs, and the analysis and integration of this information into consolidated user needs.**
**User needs reports are applicable to software and hardware systems, products or services (excluding generic products, such as a display screen or keyboard). The content elements are intended to be used as part of system-level documentation resulting from development processes such as those in ISO 9241-210 and ISO/IEC JTC 1/SC 7 process standards. User needs are a major input into the establishment of user requirements.**
**User needs reports are intended to be used as part of system-level documentation resulting from development processes such as those in ISO 9241-210 and ISO/IEC JTC 1/SC 7 process standards.**

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

**SIST EN 60695-11-2:2017** SIST EN 60695-11-2:2014
**2017-12 (po) (en) 23 str. (F)**
**Preskušanje požarne ogroženosti - 11-2. del: Preskusni plameni - Predmešani plamen z močjo 1 kW - Aparat, način potrditvenega preskušanja in navodilo (IEC 60695-11-2:2017)**
***Fire hazard testing - Part 11-2: Test flames - 1 kW pre-mixed flame - Apparatus, confirmatory test arrangement and guidance (IEC 60695-11-2:2017)***
**Osnova:** EN 60695-11-2:2017
**ICS:** 13.220.40

This part of IEC 60695 gives the requirements for the production and confirmation of a nominal 1 kW propane/air pre-mixed flame for use in fire hazard testing.
This basic safety publication is intended for use by technical committees in the preparation of standards in accordance with the principles laid down in IEC Guide 104 [4] and ISO/IEC Guide 51 [5].
One of the responsibilities of a technical committee is, wherever applicable, to make use of basic safety publications in the preparation of its publications.
The requirements, test methods or test conditions of this basic safety publication will not apply unless specifically referred to or included in the relevant publications.

**SIST EN 60780-323:2017**
**2017-12 (po) (en) 34 str. (H)**
**Jedrski objekti - Električna oprema, pomembna za varnost - Kvalifikacija (IEC/IEEE 60780-323:2016)**
***Nuclear facilities - Electrical equipment important to safety - Qualification (IEC/IEEE 60780-323:2016)***
**Osnova:** EN 60780-323:2017
**ICS:** 27.120.20

This International Standard describes the basic requirements for qualifying electrical equipment important to safety and interfaces (electrical and mechanical) that are to be used in nuclear facilities. The principles, methods, and procedures described are intended to be used for qualifying equipment, maintaining and extending qualification, and updating qualification, as required, if the equipment is modified. The qualification requirements in this standard, when met, demonstrate and document the ability of equipment to perform safety function(s) under applicable service conditions, including design basis events and certain design extension conditions, and reduce the risk of environmentally induced common-cause equipment failure.
This standard does not provide environmental stress levels or performance requirements. Other aspects, relating to quality assurance, selection and use of electronic devices, design and modification of digital systems are not part of this standard.
Other IEC or IEEE standards that present qualification programmes for specific equipment, specific environments, or specific parts of the qualification programme may be used to supplement this standard, as applicable. The bibliography lists other standards related to equipment qualification.

**SIST EN 60645-1:2017** SIST EN 60645-1:2015
**2017-12 (po) (en) 45 str. (I)**
**Elektroakustika - Avdiometrična oprema - 1. del: Oprema za avdiometrijo čistega tona in govorno avdiometrijo (IEC 60645-1:2017)**
***Electroacoustics - Audiometric equipment - Part 1: Equipment for pure-tone and speech audiometry (IEC 60645-1:2017)***
**Osnova:** EN 60645-1:2017
**ICS:** 17.140.50

IEC 60645-1:2012 specifies general requirements for audiometers and particular requirements for pure-tone audiometers designed for use in determining hearing threshold levels, relative to standard reference threshold levels established by means of psychoacoustic test methods. The object of this standard is to ensure: a) That tests of hearing in the frequency range 125 Hz to 16 000 Hz on a given human ear, performed with different audiometers which comply with this standard shall give substantially the same results; b) That the results obtained represent a valid comparison between the hearing of the ear tested and the reference threshold of hearing; c) That audiometers are classified according to the range of test signals they generate, according to the mode of operation or according to the complexity of the range of auditory functions they test. This third edition cancels and replaces the second edition, published in 2001, and IEC 60645-4 published in 1994. It constitutes an editorial revision.

**SIST EN ISO 29481-1:2017**
**2017-12 (po) (en;fr;de) 37 str. (H)**
Informacijski modeli stavb - Priročnik z informacijami - 1. del: Metodologija in oblika (ISO 29481-1:2016)
*Building information models - Information delivery manual - Part 1: Methodology and format (ISO 29481-1:2016)*
Osnova: EN ISO 29481-1:2017
ICS: 35.240.67, 91.010.01

ISO 29481-1:2016 specifies
- a methodology that links the business processes undertaken during the construction of built facilities with the specification of information that is required by these processes, and
- a way to map and describe the information processes across the life cycle of construction works.
ISO 29481-1:2016 is intended to facilitate interoperability between software applications used during all stages of the life cycle of construction works, including briefing, design, documentation, construction, operation and maintenance, and demolition. It promotes digital collaboration between actors in the construction process and provides a basis for accurate, reliable, repeatable and high-quality information exchange.

## SIST/TC SS SPL Strokovni svet SIST za splošno področje

**SIST ISO 44001:2017**
**2017-12 (po) (en) 68 str. (K)**
Sistemi za upravljanje sodelovalnih poslovnih odnosov - Zahteve in okviri
*Collaborative business relationship management systems - Requirements and framework*
Osnova: ISO 44001:2017
ICS: 03.100.70, 03.100.01

This document specifies requirements for the effective identification, development and management of collaborative business relationships within or between organizations.
This document is applicable to private and public organizations of all sizes, from large multinational corporations and government organizations, to non-profit organizations and micro/small businesses.
Application of this document can be on several different levels, e.g.
— a single application (including operating unit, operating division, single project or programme, mergers and acquisitions);
— an individual relationship (including one-to-one relationships, alliance, partnership, business
customers, joint venture);
— multiple identified relationships (including multiple partner alliances, consortia, joint ventures, networks, extended enterprise arrangements and end-to-end supply chains);
— full application organization-wide for all identified relationship types.

**SIST CEN Vodilo 414:2017**
**2017-12 (po) (en;fr;de) 49 str. (I)**
**Varnost strojev - Pravila za načrtovanje in predstavljanje varnostnih standardov**
***Safety of machinery - Rules for the drafting and presentation of safety standards***
**Osnova:** **CEN Guide 414:2017**
**ICS:** **01.120, 13.110**

**This document presents rules for the drafting and presentation of European Standards dealing with machinery safety and their revisions, primarily to achieve consistency and acceptable quality of the various standards to be prepared. It also gives requirements on the criteria for the selection of new work items and for procedures to prepare, produce or revise standards in an efficient and effective way. This document gives requirements that are additional to the CEN/CENELEC Internal Regulations, Part 3, when this is necessary owing to the special requirements of machinery safety standards. This document is primarily intended for the drafting of type-C standards. It is also applicable to the drafting of type-B standards; however, the foreseeable variation in the format of these standards prevents general application. When its requirements are specific to type-B standards, this is indicated.**

**SIST EN 16603-70-41:2017** SIST EN 14776:2005
**2017-12 (po) (en;fr;de) 641 str. (2E)**
**Vesoljska tehnika - Uporaba telemetrije in daljinskega vodenja podatkovnih paketov**
***Space engineering - Telemetry and telecommand packet utilization***
**Osnova:** **EN 16603-70-41:2017**
**ICS:** **33.200, 49.140**

**This Standard addresses the utilization of telecommand packets and telemetry packets for the purposes of remote monitoring and control of spacecraft subsystems and payloads. This Standard does not address mission-specific payload data packets, but the rules contained herein can be extended to suit the requirements of any mission. This Standard does not address audio and video data as they are not contained within either telecommand or telemetry packets.**
**This Standard defines a set of services that satisfy all the fundamental operational requirements for spacecraft monitoring and control during spacecraft integration, testing and flight operations, refer to ECSS-E-ST-70-11. It also specifies the structure and contents of the telecommand packets used to transport the requests and the telemetry packets used to transport the reports.**

**SIST EN 3094:2017**
**2017-12 (po) (en;fr;de) 6 str. (B)**
**Aeronavtika - Tesnilne mase - Preskusne metode - Določitev časa obdelave**
***Aerospace series - Sealants - Test method - Determination of the application time***
**Osnova:** **EN 3094:2017**
**ICS:** **49.025.99**

**This European Standard specifies two methods for the determination of the application time of sealants.**

**SIST EN 3820:2017** SIST EN 3820:2009
**2017-12 (po) (en;fr;de) 9 str. (C)**
**Aeronavtika - Metrični sorniki, normalna šestroba glava, široka toleranca, kratek navoj, iz titanove zlitine, anodizirani, mazani z MoS2 - Klasifikacija: 1100 MPa (pri temperaturi okolice)/315 °C**
***Aerospace series - Metric bolts, normal hexagon head, coarse tolerance normal shank, short thread, in titanium alloy, anodized, MoS2 lubricated - Classification: 1 100 MPa (at ambient temperature)/315 °C***
**Osnova:** **EN 3820:2017**
**ICS:** **49.030.20**

**This standard specifies the characteristics of bolts, normal hexagonal head, coarse tolerance normal shank, short thread, in titanium alloy, anodized, $MoS_2$ lubricated. Classification: 1 100 MPa1) / 315 °C2).**

**SIST EN 4691-1:2017**
**2017-12 (po) (en;fr;de) 55 str. (J)**
**Aeronavtika - Zglobna ročica z vgrajenim sornikom - 1. del: Tehnična specifikacija**
***Aerospace series - Tie rod with integrated bolts - Part 1: Technical specification***
**Osnova: EN 4691-1:2017**
**ICS: 49.035**

**This standard specifies the required characteristics, inspection and test methods, qualification and acceptance conditions for rod assemblies with two adjustable ends with integrated bolts, designed to withstand static and dynamic loads possible for interior and substructure in the temperature range from − 55 °C to 85 °C. It is applicable whenever referenced.**
**For a complete overview see EN 4691-2.**

**SIST EN 4692:2017**
**2017-12 (po) (en;fr;de) 13 str. (D)**
**Aeronavtika - Zglobna ročica z vgrajenim sornikom - Blokirni zatič**
***Aerospace series - Tie Rod with integrated bolts -Locking clip***
**Osnova: EN 4692:2017**
**ICS: 49.035**

**This standard shows the locking clips for the construction kit of rod assemblies for aerospace applications with two adjustable ends with integrated bolts for interior and sub structure in the temperature range −55 °C to 85 °C (EN 4691-2).**

**SIST EN 4693:2017**
**2017-12 (po) (en;fr;de) 23 str. (F)**
**Aeronavtika - Zglobna ročica z vgrajenim sornikom - Montažne kode A, B in C**
***Aerospace series - Tie rod with integrated bolts - Assembly code A, B and C***
**Osnova: EN 4693:2017**
**ICS: 49.035**

**This European Standard specifies the dimensions and tolerances of rod assemblies for aerospace applications with two adjustable ends with integrated bolts for interior and sub structure in the temperature range -55 °C to 85 °C. The rod ends should not be screwed completely apart.**

**SIST EN 4694:2017**
**2017-12 (po) (en;fr;de) 23 str. (F)**
**Aeronavtika - Zglobna ročica z vgrajenim sornikom - Montažne kode D, E in F**
***Aerospace series - Tie rod with integrated bolts - Assembly code D, E and F***
**Osnova: EN 4694:2017**
**ICS: 49.035**

**This European Standard specifies the dimensions and tolerances of rod assemblies for aerospace applications with two adjustable ends with integrated bolts for interior and sub structure in the temperature range -55 °C to 85 °C. The rod ends should not be screwed completely apart.**

**SIST EN 4695:2017**
**2017-12 (po) (en;fr;de) 19 str. (E)**
**Aeronavtika - Zglobna ročica z vgrajenim sornikom - Montažne kode G, H in K**
***Aerospace series - Tie Rod with integrated bolts - Assembly Code G, H and K***
**Osnova:** **EN 4695:2017**
**ICS:** **49.035**

**This standard specifies the dimensions and tolerances of rod assemblies for aerospace applications with two adjustable ends with integrated bolts for interior and sub structure in the temperature range − 55 °C to 85 °C. The rod ends should not be screwed completely apart.**

**SIST EN 6128:2017**
**2017-12 (po) (en;fr;de) 14 str. (D)**
**Aeronavtika - Slepa kovica, 100° ugrezna glava, zelo trdna**
***Aerospace series - Blind bolt, 100° flush head, high strength***
**Osnova:** **EN 6128:2017**
**ICS:** **49.030.20**

**This European Standard specifies the configuration, dimension, tolerances and mass of a stainless steel blind bolt with 100° flush head for aerospace application.**

**SIST EN 9300-005:2017**
**2017-12 (en;fr;de) 18 str. (E)**
**Aeronavtika - LOTAR - Dolgotrajno arhiviranje in iskanje digitalne tehnične dokumentacije o izdelkih, kot so podatki o 3D, CAD in PDM - 005. del: Avtentikacija in overjanje**
***Aerospace series - LOTAR - LOng Term Archiving and Retrieval of digital technical product documentation such as 3D, CAD and PDM data - Part 005: Authentication and Verification***
**Osnova:** **EN 9300-005:2017**
**ICS:** **49.020, 35.240.30, 01.110**

**EN 9300-005 describes the fundamentals and concepts of authentication and verification of the integrity of digital documents and their content during the archiving and retrieval processes. The Data Domain Parts EN 9300-x00 will specify qualification measures for the content of the document. The fundamentals given in this document cover the requirements, methods and recommendations for their implementation within an archiving system.**

**SIST EN 9300-007:2017**
**2017-12 (po) (en;fr;de) 23 str. (F)**
**Aeronavtika - LOTAR - Dolgotrajno arhiviranje in iskanje digitalne tehnične dokumentacije o izdelkih, kot so podatki o 3D, CAD in PDM - 007. del: Izrazi in reference**
***Aerospace series - LOTAR -LOng Term Archiving and Retrieval of digital technical product documentation such as 3D, CAD and PDM data - Part 007: Terms and References***
**Osnova:** **EN 9300-007:2017**
**ICS:** **49.020, 35.240.30, 01.110**

**This document defines the common terms, abbreviations and references used through the EN 9300 series of standard parts.**

**SIST EN ISO 15382:2017**
**2017-12 (po) (en;fr;de) 35 str. (H)**
**Radiološka zaščita - Postopki za nadzorovanje doze za očesne leče, kožo in okončine (ISO 15382:2015)**
***Radiological protection - Procedures for monitoring the dose to the lens of the eye, the skin and the extremities (ISO 15382:2015)***
**Osnova: EN ISO 15382:2017**
**ICS: 13.280**

**ISO 15382:2015 provides procedures for monitoring the dose to the skin, the extremities, and the lens of the eye. It gives guidance on how to decide if such dosemeters are needed and to ensure that individual monitoring is appropriate to the nature of the exposure, taking practical considerations into account. National regulations, if they exist, provide requirements that need to be followed.**
**ISO 15382:2015 specifies procedures for individual monitoring of radiation exposure of the skin, extremities (hands, fingers, wrists, forearms, feet and ankles), and lens of the eye in planned exposure situations. It covers practices which involve a risk of exposure to photons in the range of 8 keV to 10 MeV and electrons and positrons in the range of 60 keV to 10 MeV.**
**ISO 15382:2015 gives guidance for the design of a monitoring program to ensure compliance with legal individual dose limits. It refers to the appropriate operational dose quantities, and it gives guidance on the type and frequency of individual monitoring and the type and positioning of the dosemeter. Finally, different approaches to assess and analyse skin, extremity, and lens of the eye doses are given.**
**It is not in the scope of this International Standard to consider exposure due to alpha or neutron radiation fields.**

**SIST EN ISO 15651:2017**
**2017-12 (po) (en;fr;de) 12 str. (C)**
**Jedrska energija - Ugotavljanje deleža vodika v PuO2 in praških UO2 ter v sintranih peletih UO2, (U,Gd)O2 in (U,Pu)O2 - Metoda z ekstrakcijo inertnih plinov in ugotavljanjem prevodnosti (ISO 15651:2015)**
***Nuclear energy - Determination of total hydrogen content in PuO2 and UO2 powders and UO2, (U,Gd)O2 and (U,Pu)O2 sintered pellets - Inert gas extraction and conductivity detection method (ISO 15651:2015)***
**Osnova: EN ISO 15651:2017**
**ICS: 27.120.30**

**ISO 15651:2015 describes a procedure for measuring the total hydrogen content of UO2 and PuO2 powders (up to 2 000 µg/g oxide) and of U02 and (U,Gd)O2 and (U,Pu)O2 pellets (up to 10 µg/g oxide). The total hydrogen content results from adsorbed water, water of crystallization, hydrocarbon, and other hydrogenated compounds which can exist as impurities in the fuel.**

**SIST EN ISO 16638-1:2017**
**2017-12 (po) (en;fr;de) 52 str. (J)**
**Radiološka zaščita - Nadzorovanje in notranja dozimetrija za posebne materiale - 1. del: Inhalacija uranovih spojin (ISO 16638-1:2015)**
***Radiological protection - Monitoring and internal dosimetry for specific materials - Part 1: Inhalation of uranium compounds (ISO 16638-1:2015)***
**Osnova: EN ISO 16638-1:2017**
**ICS: 17.240**

**ISO 16638-1:2015 specifies the minimum requirements for the design of professional programmes to monitor workers exposed to uranium compounds. It establishes principles for the development of compatible goals and requirements for monitoring programmes and dose assessment for workers occupationally exposed to internal contamination. It establishes procedures and assumptions for risk analysis, monitoring programmes and the standardised interpretation of**

**monitoring data in order to achieve acceptable levels of reliability for uranium and its compounds. It sets limits for the applicability of the procedures in respect to dose levels above which more sophisticated methods have to be applied.**
**Uranium is both radiologically and chemically toxic. Hence, the scientific bases of current occupational exposure standards are reviewed in addition to radiation exposure limits. This International Standard addresses those circumstances when exposure could be constrained by either radiological or chemical toxicity concerns.**
**ISO 16638-1:2015 addresses, for uranium and its compounds, the following items:**
**a) purposes of monitoring and monitoring programmes;**
**b) description of the different categories of monitoring programmes;**
**c) quantitative criteria for conducting monitoring programmes;**
**d) suitable methods for monitoring and criteria for their selection;**
**e) information that has to be collected for the design of a monitoring programme;**
**f) general requirements for monitoring programmes (e.g. detection limits, tolerated uncertainties);**
**g) frequencies of measurements;**
**h) procedures for dose assessment based on reference levels for routine and special monitoring programmes;**
**i) assumptions for the selection of dose-critical parameter values;**
**j) criteria for determining the significance of monitoring results;**
**k) interpretation of workplace monitoring results;**
**l) uncertainties arising from dose assessment and interpretation of bioassays data;**
**m) reporting/documentation;**
**n) quality assurance;**
**o) record keeping requirements.**
**It is not applicable to the following items:**
**a) monitoring of exposure due to uranium progeny, including radon;**
**b) detailed descriptions of measuring methods and techniques for uranium;**
**c) dosimetry for litigation cases;**
**d) modelling for the improvement of internal dosimetry;**
**e) potential influence of counter-measures (e.g. administration of chelating agents);**
**f) investigation of the causes or implications of an exposure;**
**g) dosimetry for ingestion exposures and for contaminated wounds.**

**SIST EN ISO 17099:2017**
**2017-12 (po) (en;fr;de) 40 str. (H)**
**Radiološka zaščita - Merila za delovanje laboratorijev, ki za biološko dozimetrijo uporabljajo analizo tvorjenja mikrojeder s citokinetskim blokom v perifernih krvnih limfocitih (ISO 17099:2014)**
***Radiological protection - Performance criteria for laboratories using the cytokinesis block micronucleus (CBMN) assay in peripheral blood lymphocytes for biological dosimetry (ISO 17099:2014)***
**Osnova: EN ISO 17099:2017**
**ICS: 71.040.10, 13.280**

**ISO 17099:2014 addresses the following:**
**a) confidentiality of personal information for the customer and the laboratory;**
**b) laboratory safety requirements;**
**c) radiation sources, dose rates, and ranges used for establishing the calibration reference dose-effect curves allowing the dose estimation from CBMN assay yields and the minimum resolvable dose;**
**d) performance of blood collection, culturing, harvesting, and sample preparation for CBMN assay scoring;**
**e) scoring criteria;**
**f) conversion of micronucleus frequency in binucleated cells into an estimate of absorbed dose;**
**g) reporting of results;**
**h) quality assurance and quality control;**

**i) informative annexes containing examples of a questionnaire, instructions for customers, a microscope scoring data sheet, a sample report and advice on strengths and limitations of current automated systems for automated micronucleus scoring.**

**SIST EN ISO 18589-2:2017**
**2017-12 (po) (en;fr;de) 34 str. (H)**
**Merjenje radioaktivnosti v okolju - Zemljina - 2. del: Navodilo za izbiro strategije vzorčenja, vzorčenje in predobdelava vzorcev (ISO 18589-2:2015)**
***Measurement of radioactivity in the environment - Soil - Part 2: Guidance for the selection of the sampling strategy, sampling and pre-treatment of samples (ISO 18589-2:2015)***
**Osnova: EN ISO 18589-2:2017**
**ICS: 17.240, 13.080.99**

**ISO 18589-2:2015 specifies the general requirements, based on ISO 11074 and ISO/IEC 17025, for all steps in the planning (desk study and area reconnaissance) of the sampling and the preparation of samples for testing. It includes the selection of the sampling strategy, the outline of the sampling plan, the presentation of general sampling methods and equipment, as well as the methodology of the pre-treatment of samples adapted to the measurements of the activity of radionuclides in soil.**
**ISO 18589-2:2015 is addressed to the people responsible for determining the radioactivity present in soil for the purpose of radiation protection. It is applicable to soil from gardens, farmland, urban, or industrial sites, as well as soil not affected by human activities.**
**ISO 18589-2:2015 is applicable to all laboratories regardless of the number of personnel or the range of the testing performed. When a laboratory does not undertake one or more of the activities covered by this part of ISO 18589, such as planning, sampling, or testing, the corresponding requirements do not apply.**

**SIST EN ISO 18589-3:2017**
**2017-12 (po) (en;fr;de) 30 str. (G)**
**Merjenje radioaktivnosti v okolju - Zemljina - 3. del: Merjenje radionuklidov, ki sevajo gama žarke, z gama spektrometrijo (ISO 18589-3:2015)**
***Measurement of radioactivity in the environment - Soil - Part 3: Test method of gamma-emitting radionuclides using gamma-ray spectrometry (ISO 18589-3:2015)***
**Osnova: EN ISO 18589-3:2017**
**ICS: 13.080.99, 17.240**

**ISO 18589-3:2015 specifies the identification and the measurement of the activity in soils of a large number of gamma-emitting radionuclides using gamma spectrometry. This non-destructive method, applicable to large-volume samples (up to about 3 000 cm3), covers the determination in a single measurement of all the γ-emitters present for which the photon energy is between 5 keV and 3 MeV.**
**ISO 18589-3:2015 can be applied by test laboratories performing routine radioactivity measurements as a majority of gamma-emitting radionuclides is characterized by gamma-ray emission between 40 keV and 2 MeV.**
**The method can be implemented using a germanium or other type of detector with a resolution better than 5 keV.**
**ISO 18589-3:2015 is addressed to people responsible for determining gamma-emitting radionuclides activity present in soils for the purpose of radiation protection.**

**SIST EN ISO 19017:2017**
**2017-12 (po) (en;fr;de) 56 str. (J)**
**Navodilo za merjenje aktivnosti radioaktivnih odpadkov z gama spektrometrijo (ISO 19017:2015)**
***Guidance for gamma spectrometry measurement of radioactive waste (ISO 19017:2015)***
**Osnova: EN ISO 19017:2017**
**ICS: 13.030.30, 27.120.30, 17.240**

**ISO 19017:2015 is applicable to gamma radiation measurements on radioactive waste.**
**Radioactive waste can be found in different forms and exhibit a wide range of characteristics, including the following:**
**- raw or unconditioned waste, including process waste (filters, resins, control rods, scrap, etc.) and waste from dismantling or decommissioning;**
**- conditioned waste in various forms and matrices (bitumen, cement, hydraulic binder, etc.);**
**- very low level (VLLW), low level (LLW), intermediate level (ILW) and high level radioactive waste (HLW);**
**- different package shapes: cylinders, cubes, parallelepipeds, etc.**
**Guidance is provided in respect of implementation, calibration, and quality control. The diversity of applications and system realizations (ranging from research to industrial systems, from very low level to high level radioactive waste, from small to large volume packages with different shapes, with different performance requirements and allowable measuring time) renders it impossible to provide specific guidance for all instances; the objective of this International Standard is, therefore, to establish a set of guiding principles. Ultimately, implementation is to be performed by suitably qualified and experienced persons and based on a thorough understanding of the influencing factors, contributing variables and performance requirements of the specific measurement application.**
**This International Standard assumes that the need for the provision of such a system will have been adequately considered and that its application and performance requirements will have been adequately defined through the use of a structured requirements capture process, such as data quality objectives (DQO).**
**It is noted that, while outside the scope of this International Standard, many of the principles, measurement methods, and recommended practices discussed here are also equally applicable to gamma measurements of items other than radioactive waste (e.g. bulk food, water, free-standing piles of materials) or to measurements made on radioactive materials contained within non-traditional packages (e.g. in transport containers).**

**SIST EN ISO 20553:2017**
**2017-12 (po) (en;fr;de) 30 str. (G)**
**Radiološka zaščita - Spremljanje stanja delavcev, ki so poklicno izpostavljeni tveganju notranje kontaminacije z radioaktivnim materialom (ISO 20553:2006)**
***Radiation protection - Monitoring of workers occupationally exposed to a risk of internal contamination with radioactive material (ISO 20553:2006)***
**Osnova: EN ISO 20553:2017**
**ICS: 13.100, 13.280**

**ISO 20553:2006 specifies the minimum requirements for the design of professional programmes to monitor workers exposed to the risk of internal contamination by radioactive substances and establishes principles for the development of compatible goals and requirements for monitoring programmes.**

**SIST EN ISO 20785-1:2017**
**2017-12 (po) (en;fr;de) 37 str. (H)**
**Dozimetrija za merjenje izpostavljenosti kozmičnemu sevanju v civilnem letalskem prometu - 1. del: Konceptualna osnova za meritve (ISO 20785-1:2012)**
***Dosimetry for exposures to cosmic radiation in civilian aircraft - Part 1: Conceptual basis for measurements (ISO 20785-1:2012)***
**Osnova: EN ISO 20785-1:2017**
**ICS: 49.020, 17.240**

**ISO 20785:2012 gives the conceptual basis for the determination of ambient dose equivalent for the evaluation of exposure to cosmic radiation in civilian aircraft and for the calibration of instruments used for this purpose.**

**SIST EN ISO 20785-2:2017**
**2017-12 (po) (en;fr;de) 45 str. (I)**
**Dozimetrija za merjenje izpostavljenosti kozmičnemu sevanju v civilnem letalskem prometu - 2. del: Karakterizacija odziva instrumenta (ISO 20785-2:2011)**
***Dosimetry for exposures to cosmic radiation in civilian aircraft - Part 2: Characterization of instrument response (ISO 20785-2:2011)***
**Osnova: EN ISO 20785-2:2017**
**ICS: 17.240, 49.020**

**ISO 20785-1:2011 specifies methods and procedures for characterizing the responses of devices used for the determination of ambient dose equivalent for the evaluation of exposure to cosmic radiation in civilian aircraft. The methods and procedures are intended to be understood as minimum requirements.**

**SIST EN ISO 20785-3:2017**
**2017-12 (po) (en;fr;de) 25 str. (F)**
**Dozimetrija za merjenje izpostavljenosti kozmičnemu sevanju v civilnem letalskem prometu - 3. del: Meritve na višini letenja (ISO 20785-3:2015)**
***Dosimetry for exposures to cosmic radiation in civilian aircraft - Part 3: Measurements at aviation altitudes (ISO 20785-3:2015)***
**Osnova: EN ISO 20785-3:2017**
**ICS: 49.020, 17.240**

**The following documents, in whole or in part, are normatively referenced in ISO 20785-3:2015 and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.**
**ISO/IEC Guide 98-1, Uncertainty of measurement ? Part 1: Introduction to the expression of uncertainty in measurement ISO/IEC Guide 98-3, Uncertainty of measurement ? Part 3: Guide to the expression of uncertainty in measurement (GUM:1995) ISO 20785-1, Dosimetry for exposures to cosmic radiation in civilian aircraft ? Part 1: Conceptual basis for measurements ISO 20785-2, Dosimetry for exposures to cosmic radiation in civilian aircraft ? Part 2: Characterization of instrument response**

**SIST EN ISO 21483:2017**
**2017-12 (po) (en;fr;de) 12 str. (C)**
**Ugotavljanje topnosti plutonija v dušikovi kislini v neobsevanih mešanooksidnih gorivnih peletih (U, Pu) O2 (ISO 21483:2013)**
***Determination of solubility in nitric acid of plutonium in unirradiated mixed oxide fuel pellets (U, Pu) O2 (ISO 21483:2013)***
**Osnova: EN ISO 21483:2017**
**ICS: 27.120.30**

**ISO 21483:2013 specifies an analytical method for determining the solubility in nitric acid of plutonium in pellets of unirradiated mixed oxide fuel (light-water reactor fuels). The results provide information about the expected dissolution behaviour of irradiated pellets under industrial reprocessing conditions. In this aspect, the specific conditions (e.g. time of the test) may vary depending upon the need to match to a specific reprocessor's requirements. The test is aimed at determining solubility under equilibrium conditions rather than the kinetics of dissolution and hence allows for a second dissolution period.**

**SIST-V CEN Guide 16:2017**
**2017-12 (po) (en;fr;de) 95 str. (M)**
**Vodilo za obravnavanje kemikalij v standardih za proizvode, ki so pomembni za porabnike**
***Guide for addressing chemicals in standards for consumer-relevant products***
**Osnova: CEN Guide 16:2017**
**ICS: 03.080.30, 71.020, 01.120**

**This document provides guidance on addressing chemicals in the development of standards for consumer-relevant articles. The aim is to minimize the impacts of chemicals of concern on human health and the environment by complying with, complementing or going beyond legal obligations for these chemicals. Emphasis is given to chemicals in articles posing risks to human health during use. The environmental dimension is considered, where feasible and where appropriate, for instance by addressing environmental exposure or persistent or bio-accumulative chemicals.**
**The Guide is intended to assist in the development of normative provisions for chemicals, particularly in those areas where specific regulatory provisions (e.g. limit values) for chemicals are absent and are not envisaged to be implemented in the foreseeable future such as articles covered by the General Product Safety Directive (2001/95/EC). In so doing, the Guide aims to facilitate the placing on the market of safe products. In addition, these guidelines can assist those with a general professional interest in consumer safety.**
**The Guide including the associated background information document presents a comprehensive overview of approaches taken on chemicals in various legislative and voluntary tools. It is not intended to override legal obligations. Both documents reflect the status as of April 2017.**
**Electrical and electronic equipment, and ICT products, are excluded from the scope as these products fall under the lead of CENELEC and ETSI, respectively. Food contact materials, materials used in the supply of drinking water, medical devices, and construction products are also excluded. This is because comprehensive, detailed and specific regulation on chemicals in these products is either already available or subject to consideration and debate; because specific approaches are required; or because performance requirements are supposed to be addressed at national level; or a combination of all these.**
**Nonetheless, some of the guidance may be useful in areas excluded from the scope of the Guide. It is envisaged that sector specific guides or standards dealing with chemical hazards in standards for consumer-relevant articles, where available, should be used in conjunction with the present Guide.**
**NOTE The Bibliography includes relevant CEN sector guidance documents.**

# Razveljavitev slovenskih standardov

| SIST/TC | Razveljavljeni dokument | Leto razveljavitve | Zamenjan z dokumentom |
|---|---|---|---|
| AKU | SIST EN 12354-1:2001 | 2017-12 | SIST EN ISO 12354-1:2017 |
| AKU | SIST EN 12354-2:2001 | 2017-12 | SIST EN ISO 12354-2:2017 |
| AKU | SIST EN 12354-3:2001 | 2017-12 | SIST EN ISO 12354-3:2017 |
| AKU | SIST EN 12354-4:2001 | 2017-12 | SIST EN ISO 12354-4:2017 |
| BBB | SIST EN 1504-10:2004 | 2017-12 | SIST EN 1504-10:2017 |

| SIST/TC | Razveljavljeni dokument | Leto razveljavitve | Zamenjan z dokumentom |
|---|---|---|---|
| BBB | SIST EN 1504-10:2004/AC:2005 | 2017-12 | SIST EN 1504-10:2017 |
| CAA | SIST EN 13639:2004 | 2017-12 | SIST EN 13639:2017 |
| CAA | SIST EN 13639:2004/AC:2004 | 2017-12 | SIST EN 13639:2017 |
| DPL | SIST EN 1359:2004 | 2017-12 | SIST EN 1359:2017 |
| DPL | SIST EN 1359:2004/A1:2006 | 2017-12 | SIST EN 1359:2017 |
| EXP | SIST EN 13821:2003 | 2017-12 | SIST EN ISO 80079-20-2:2016 |
| EXP | SIST EN 60079-10-2:2009 | 2017-12 | SIST EN 60079-10-2:2015 |
| EXP | SIST EN 60079-18:2010 | 2017-12 | |
| IBLP | SIST EN 13523-21:2011 | 2017-12 | SIST EN 13523-21:2017 |
| IBLP | SIST EN 13523-24:2005 | 2017-12 | SIST EN 13523-24:2017 |
| IBLP | SIST EN 13523-8:2011 | 2017-12 | SIST EN 13523-8:2017 |
| IBLP | SIST EN ISO 11997-1:2006 | 2017-12 | SIST EN ISO 11997-1:2017 |
| IBLP | SIST EN ISO 15110:2013 | 2017-12 | SIST EN ISO 15110:2017 |
| IBLP | SIST EN ISO 8502-12:2005 | 2017-12 | |
| IEMO | SIST EN 60601-2-2:2009 | 2017-12 | |
| IEMO | SIST EN 60601-2-40:1998 | 2017-12 | |
| IESV | SIST EN 62035:2000 | 2017-12 | SIST EN 62035:2015 |
| IESV | SIST EN 62035:2000/A1:2004 | 2017-12 | SIST EN 62035:2015 |
| IESV | SIST EN 62035:2000/A2:2013 | 2017-12 | SIST EN 62035:2015 |
| IMKG | SIST EN 1853:1999+A1:2010 | 2017-12 | SIST EN 1853:2018 |
| INIR | SIST EN 50519:2010 | 2017-12 | |
| IPKZ | SIST EN ISO 2063:2005 | 2017-12 | SIST EN ISO 2063-1:2017<br>SIST EN ISO 2063-2:2017 |
| ISEL | SIST EN ISO 25178-71:2014 | 2017-12 | SIST EN ISO 25178-71:2017 |
| ISTP | SIST EN 12604:2001 | 2017-12 | SIST EN 12604:2017 |
| ISTP | SIST EN 12605:2001 | 2017-12 | SIST EN 12604:2017 |
| ITEK | SIST EN 13329:2016 | 2017-12 | SIST EN 13329:2016+A1:2017 |
| ITEK | SIST EN ISO 2411:2000 | 2017-12 | SIST EN ISO 2411:2018 |
| iTEL | SIST EN 61290-1-1:2007 | 2017-12 | SIST EN 61290-1-1:2015 |
| iTEL | SIST EN 61290-1-3:2006 | 2017-12 | SIST EN 61290-1-3:2015 |
| iTEL | SIST EN 62007-1:2009 | 2017-12 | SIST EN 62007-1:2015 |
| KAM | SIST EN 14157:2004 | 2017-12 | SIST EN 14157:2017 |
| KAT | SIST EN 15961:2012 | 2017-12 | SIST EN 15961:2017 |
| KAT | SIST EN 16317:2013 | 2017-12 | SIST EN 16317:2013+A1:2017 |
| KAT | SIST EN 16320:2013 | 2017-12 | SIST EN 16320:2013+A1:2017 |
| KAT | SIST EN ISO 11272:2014 | 2017-12 | SIST EN ISO 11272:2017 |
| KAV | SIST EN ISO 11731-2:2008 | 2017-12 | SIST EN ISO 11731:2017 |

| SIST/TC | Razveljavljeni dokument | Leto razveljavitve | Zamenjan z dokumentom |
|---|---|---|---|
| KAV | SIST ISO 9697:2010 | 2017-12 | |
| KAV | SIST-TS ENV ISO 13843:2004 | 2017-12 | SIST EN ISO 13843:2017 |
| LLZ | SIST EN 14354:2005 | 2017-12 | SIST EN 14354:2017 |
| LLZ | SIST EN 14354:2005/AC:2007 | 2017-12 | SIST EN 14354:2017 |
| MOC | SIST EN 60793-1-50:2004 | 2017-12 | SIST EN 60793-1-50:2015 |
| MOC | SIST EN 60794-3:2004 | 2017-12 | SIST EN 60794-3:2015 |
| MOC | SIST EN 61300-3-25:2014 | 2017-12 | SIST EN 61300-3-25:2017 |
| MOC | SIST EN 62343-2:2011 | 2017-12 | SIST EN 62343-2:2014 |
| MOV | SIST EN 61010-031:2003 | 2017-12 | SIST EN 61010-031:2003/A1:2008<br>SIST EN 61010-031:2015 |
| MOV | SIST EN 61010-031:2003/A1:2008 | 2017-12 | SIST EN 61010-031:2015 |
| MTR | SIST EN 60044-6:2001 | 2017-12 | SIST EN 61869-2:2013 |
| NAD | SIST EN ISO 2592:2001 | 2017-12 | SIST EN ISO 2592:2017 |
| ODP | SIST-TS CEN/TS 14405:2004 | 2017-12 | SIST EN 14405:2017 |
| OTR | SIST EN 71-14:2015 | 2017-12 | SIST EN 71-14:2015+A1:2017 |
| OTR | SIST EN 71-3:2013+A1:2014 | 2017-12 | SIST EN 71-3:2013+A2:2017 |
| OTR | SIST EN 71-7:2014 | 2017-12 | SIST EN 71-7:2014+A1:2017 |
| PCV | SIST EN 1055:1997 | 2017-12 | SIST EN ISO 13257:2018 |
| PCV | SIST EN 12256:1999 | 2017-12 | SIST EN ISO 13264:2018 |
| PCV | SIST EN 580:2003 | 2017-12 | SIST EN ISO 9852:2018 |
| PCV | SIST EN 727:1997 | 2017-12 | SIST EN ISO 2507-1:2018<br>SIST EN ISO 2507-2:2018<br>SIST EN ISO 2507-3:2018 |
| PCV | SIST EN 744:1997 | 2017-12 | SIST EN ISO 3127:2018 |
| PKG | SIST EN 16392-2:2014 | 2017-12 | SIST EN ISO 18563-2:2017 |
| PLN | SIST EN 14543:2005+A1:2008 | 2017-12 | SIST EN 14543:2017 |
| PLN | SIST EN 15034:2007 | 2017-12 | SIST EN 303-1:2017<br>SIST EN 303-2:2017<br>SIST EN 304:2017 |
| PLN | SIST EN 15034:2007/AC:2008 | 2017-12 | SIST EN 303-1:2017<br>SIST EN 303-2:2017<br>SIST EN 304:2017 |
| PLN | SIST EN 15181:2008 | 2017-12 | SIST EN 15181:2017 |
| PLN | SIST EN 203-3:2009 | 2017-12 | |
| PLN | SIST EN 303-1:1999 | 2017-12 | SIST EN 303-1:2017 |
| PLN | SIST EN 303-1:1999/A1:2004 | 2017-12 | SIST EN 303-1:2017 |
| PLN | SIST EN 303-2:1999 | 2017-12 | SIST EN 303-2:2017 |
| PLN | SIST EN 303-2:1999/A1:2004 | 2017-12 | SIST EN 303-2:2017 |
| PLN | SIST EN 304:1997 | 2017-12 | SIST EN 304:2017 |

| SIST/TC | Razveljavljeni dokument | Leto razveljavitve | Zamenjan z dokumentom |
|---|---|---|---|
| PLN | SIST EN 304:1997/A1:1999 | 2017-12 | SIST EN 304:2017 |
| PLN | SIST EN 304:1997/A2:2004 | 2017-12 | SIST EN 304:2017 |
| SKA | SIST EN 61439-5:2011 | 2017-12 | SIST EN 61439-5:2015 |
| SKA | SIST EN 62026-3:2009 | 2017-12 | SIST EN 62026-3:2016 |
| SPO | SIST EN 15649-1:2010+A2:2014 | 2017-12 | SIST EN ISO 25649-1:2017 |
| SPO | SIST EN 15649-2:2010+A2:2013 | 2017-12 | SIST EN ISO 25649-2:2017 |
| SPO | SIST EN 15649-3:2010+A1:2012 | 2017-12 | SIST EN ISO 25649-3:2017 |
| SPO | SIST EN 15649-4:2010+A1:2012 | 2017-12 | SIST EN ISO 25649-4:2017 |
| SPO | SIST EN 15649-5:2010 | 2017-12 | SIST EN ISO 25649-5:2017 |
| SPO | SIST EN 15649-6:2010+A1:2014 | 2017-12 | SIST EN ISO 25649-6:2017 |
| SPO | SIST EN 15649-7:2010 | 2017-12 | SIST EN ISO 25649-7:2017 |
| ŽEN | SIST EN 50121-5:2007 | 2017-12 | |
| I11 | SIST EN 60645-1:2002 | 2017-12 | |
| I11 | SIST EN 60645-4:1999 | 2017-12 | SIST EN 60645-1:2015 |
| I13 | SIST EN 15194:2009+A1:2012 | 2017-12 | SIST EN 15194:2017 |
| I13 | SIST EN 3820:2009 | 2017-12 | SIST EN 3820:2017 |
| I13 | SIST EN 4644-001:2012 | 2017-12 | SIST EN 4644-001:2018 |

SLOVENSKI INŠTITUT ZA STANDARDIZACIJO

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e-pošta: sist@sist.si

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# CENIK SIST

Št. 1/2007 20. 2. 2017

Nakup slovenskih standardov poteka preko spletne trgovine SIST na www.sist.si. Naročilo lahko pošljete tudi po navadni pošti, e-pošti ali faxu.

Slovenski nacionalni standardi so na voljo v elektronski obliki (format PDF) in v tiskani obliki. Pri nakupu standardov v elektronski obliki preko spletne trgovine SIST je omogočena izdelava ene tiskane kopije vsakega kupljenega standarda.

Standardi v elektronski obliki so enouporabniške različice in so zaščiteni proti tiskanju in kopiranju. Nakup večuporabniših elektronskih različic standardov SIST za uporabo v lokalnem omrežju je naveden v poglavju 14.

Reprodukcije tujih standardov ISO, IEC, DIN, BS so na voljo v papirni obliki, standardi ISO in IEC pa tudi v elektronski obliki (format PDF). Cene za reprodukcije tujih standardov ISO, IEC in BS, ki so protivrednosti deviznih cen, izražene v evrih, so zneski preračunani po referenčnem tečaju Evropske centralne banke. SIST usklajuje tečaje tujih valut vsak prvi dan v mesecu.

## 1. Slovenski nacionalni standardi v tujem jeziku

V cenah je vključen davek na dodano vrednost (DDV). Za elektronske oblike standardov (nakup preko spleta) je DDV 22%, za standarde v papirni obliki in v elektronski obliki na prenosnem mediju je DDV 9,5%.

Pri nakupu standardov v elektronski obliki preko spletne trgovine SIST se obračuna stalni 20% popust. V času posebnih akcij, je popust lahko tudi višji.

| Cen. razred | Število strani * | pdf-splet Cena (EUR) | pdf-splet 20% popust Cena (EUR) | papir Cena (EUR) |
|---|---|---|---|---|
| A | 1 - 4 | 28,06 | 22,45 | 25,19 |
| B | 5 - 8 | 39,10 | 31,23 | 35,04 |
| C | 9 - 12 | 46,44 | 37,09 | 41,61 |
| D | 13 - 16 | 53,68 | 42,94 | 48,18 |
| E | 17 - 20 | 58,56 | 46,85 | 52,56 |
| F | 21 - 26 | 65,88 | 52,70 | 59,13 |
| G | 27 - 32 | 73,20 | 58,56 | 65,70 |
| H | 33 - 40 | 79,30 | 63,44 | 71,18 |
| I | 41 - 50 | 86,62 | 69,30 | 77,75 |
| J | 51 - 60 | 97,60 | 78,08 | 87,60 |
| K | 61 - 70 | 102,48 | 81,98 | 91,98 |
| L | 71 - 80 | 112,24 | 89,79 | 100,74 |
| M | 81 - 100 | 120,78 | 96,62 | 108,41 |
| N | 101 - 120 | 131,76 | 105,41 | 118,26 |
| O | 121 - 140 | 141,52 | 113,22 | 127,02 |
| P | 141 - 170 | 152,50 | 122,00 | 136,88 |
| R | 171 - 200 | 161,04 | 128,83 | 144,54 |
| S | 201 - 230 | 174,46 | 139,57 | 156,59 |
| T | 231 - 270 | 183,00 | 146,40 | 164,25 |
| U | 271 - 310 | 196,42 | 157,14 | 176,30 |
| V | 311 - 350 | 204,96 | 163,97 | 183,96 |

| Cen. razred | Število strani * | pdf-splet Cena (EUR) | pdf-splet 20% popust Cena (EUR) | papir Cena (EUR) |
|---|---|---|---|---|
| Z | 351 - 400 | 215,94 | 172,75 | 193,82 |
| 2A | 401 - 450 | 226,92 | 181,54 | 203,67 |
| 2B | 451 - 500 | 237,90 | 190,32 | 213,53 |
| 2C | 501 - 560 | 247,66 | 198,13 | 222,29 |
| 2D | 561 - 620 | 258,64 | 206,91 | 232,14 |
| 2E | 621 - 680 | 269,62 | 215,70 | 242,00 |
| 2F | 681 - 760 | 280,60 | 224,48 | 251,85 |
| 2G | 761 - 840 | 289,14 | 231,31 | 259,52 |
| 2H | 841 - 920 | 300,12 | 240,10 | 269,37 |
| 2I | 921 - 1000 | 307,44 | 245,95 | 275,94 |
| 2J | 1001-1100 | 317,20 | 253,76 | 284,70 |
| 2K | 1101-1200 | 325,74 | 260,59 | 292,37 |
| 2L | 1201-1300 | 335,50 | 268,40 | 301,13 |
| 2M | 1301-1450 | 344,04 | 275,23 | 308,79 |
| 2N | 1451-1600 | 355,02 | 284,02 | 318,65 |
| 2O | 1601-1800 | 364,78 | 291,82 | 327,41 |
| 2P | 1801-2000 | 373,32 | 298,66 | 335,07 |
| 3A | 2001-3000 | 401,38 | 321,10 | 360,26 |
| 3B | 3001-4000 | 430,66 | 344,53 | 386,54 |
| 3C | 4001-5000 | 448,96 | 359,17 | 402,96 |
| AP ** | | 28,06 | 22,45 | 25,19 |

* Pri neprevedenih standardih SIST DIN cenovni razred ni določen po številu strani.
** AP - Sestavni del slovenskega standarda je tudi dokument, ki ga je potrebno naročiti posebej.

## Slovenski nacionalni standardi v slovenskem jeziku

| Cen. razred | Število strani | pdf-splet Cena (EUR) | pdf-splet 20% popust Cena (EUR) | papir Cena (EUR) |
|---|---|---|---|---|
| SA | 1 - 4 | 36,60 | 29,28 | 32,85 |
| SB | 5 - 8 | 47,58 | 38,06 | 42,71 |
| SC | 9 - 12 | 58,56 | 46,85 | 52,56 |
| SD | 13 - 16 | 65,88 | 52,70 | 59,13 |
| SE | 17 - 20 | 75,64 | 60,51 | 67,89 |
| SF | 21 - 26 | 82,96 | 66,37 | 74,46 |
| SG | 27 - 32 | 91,50 | 73,20 | 82,13 |
| SH | 33 - 40 | 98,82 | 79,06 | 88,70 |
| SI | 41 - 50 | 108,58 | 86,86 | 97,46 |
| SJ | 51 - 60 | 120,78 | 96,62 | 108,41 |
| SK | 61 - 70 | 128,10 | 102,48 | 114,98 |
| SL | 71 - 80 | 137,86 | 110,29 | 123,74 |
| SM | 81 - 100 | 152,50 | 122,00 | 136,88 |
| SN | 101 – 120 | 164,70 | 131,76 | 147,83 |
| SO | 121 - 140 | 178,12 | 142,50 | 159,87 |
| SP | 141 - 170 | 189,10 | 151,28 | 169,73 |
| SR | 171 - 200 | 203,74 | 162,99 | 182,87 |
| SS | 201 - 230 | 218,38 | 174,70 | 196,01 |
| ST | 231 - 270 | 229,36 | 183,49 | 205,86 |
| SU | 271 - 310 | 244,00 | 195,20 | 219,00 |
| SV | 311 - 350 | 258,64 | 206,91 | 232,14 |

| Cen. razred | Število strani | pdf-splet Cena (EUR) | pdf-splet 20% popust Cena (EUR) | papir Cena (EUR) |
|---|---|---|---|---|
| SZ | 351 - 400 | 269,62 | 215,70 | 242,00 |
| S2A | 401 - 450 | 284,26 | 227,41 | 255,14 |
| S2B | 451 - 500 | 296,46 | 237,17 | 266,09 |
| S2C | 501 - 560 | 313,54 | 250,83 | 281,42 |
| S2D | 561 - 620 | 324,52 | 259,62 | 291,27 |
| S2E | 621 - 680 | 339,16 | 271,33 | 304,41 |
| S2F | 681 - 760 | 353,80 | 283,04 | 317,55 |
| S2G | 761 - 840 | 362,34 | 289,87 | 325,22 |
| S2H | 841 - 920 | 376,98 | 301,58 | 338,36 |
| S2I | 921 - 1000 | 384,30 | 307,44 | 344,93 |
| S2J | 1001-1100 | 397,72 | 318,18 | 356,97 |
| S2K | 1101-1200 | 408,70 | 326,96 | 366,83 |
| S2L | 1201-1300 | 419,68 | 335,74 | 376,68 |
| S2M | 1301-1450 | 430,66 | 344,53 | 386,54 |
| S2N | 1451-1600 | 442,86 | 354,29 | 397,49 |
| S2O | 1601-1800 | 456,28 | 365,02 | 409,53 |
| S2P | 1801-2000 | 467,26 | 373,81 | 419,39 |
| S3A | 2001-3000 | 501,42 | 401,14 | 450,05 |
| S3B | 3001-4000 | 538,02 | 430,42 | 482,90 |
| S3C | 4001-5000 | 562,42 | 449,94 | 504,80 |
| | | | | |

### Popusti

| | |
|---|---|
| Člani SIST | 20 % |
| Državni organi | 20 % |
| Študenti | 50 % * |

| Št. kosov istega standarda | |
|---|---|
| 4 - 9 | 5 % |
| 10 ali več | 10 % |

| | |
|---|---|
| Enkraten nakup standardov v skupni vrednosti nad 1.000 EUR | 5% |

* Za neprevedene standarde SIST DIN je za študente popust 20%.
Popusti se ne seštevajo in so namenjeni za lastno uporabo dokumentov.

### 2. Publikacije SIST

V cenah je vključen 9,5 % DDV.

| Naslov | Cena (EUR) |
|---|---|
| Mednarodna klasifikacija za standarde ICS -papir | **23,00** |
| Potrošniki in standardi: Napotki in načela za sodelovanje potrošnikov- papir | **18,30** |

Popust pri publikacijah je za člane SIST in državne organe 20 %, za študente 50 %.
Popusti se ne seštevajo in so namenjeni za lastno uporabo publikacij.

# NAROČILNICA ZA SLOVENSKE STANDARDE IN DRUGE PUBLIKACIJE

**N – IZO 12/2017**

| Publikacije | Št. izvodov |
|---|---|
| | |
| | |
| | |
| | |
| | |
| | |
| | |

Naročnik (ime, št. naročilnice)

Podjetje (naziv iz registracije)

Naslov (za račun)

Naslov za pošiljko (če je drugačen)

Davčni zavezanec • da • ne

Davčna številka

E-naslov (obvezno!)

Telefon

Datum

Faks

Naročilo pošljite na naslov Slovenski inštitut za standardizacijo, Šmartinska 152, 1000 Ljubljana ali na faks: 01/478-30-97.

Dodatne informacije o standardih dobite na tel.: 01/478-30-63 ali na 01/478-30-68.