IZVLEČKI V ANGLEŠČINI

Objave SIST • ***Announcements SIST***

Slovenski inštitut za standardizacijo
Slovenian Institute for Standardization

ISSN 1854-1631

9 | 22

Izvlečki iz novih slovenskih nacionalnih standardov v angleškem jeziku

SIST/TC AGR Agregati

SIST EN 932-3:2022 SIST EN 932-3:1999
SIST EN 932-3:1999/A1:2004

2022-09 (po) (en;fr;de) 18 str. (E)

Preskusi splošnih lastnosti agregatov - 3. del: Postopek in izrazje poenostavljenega petrografskega opisa

Tests for general properties of aggregates - Part 3: Procedure and terminology for simplified petrographic description

Osnova: EN 932-3:2022
ICS: 91.100.15

This document specifies a basic procedure for the identification of the petrographic type of natural aggregates. Precise petrographic identification, of technical mineralogy and petrography for civil engineering or specific end uses, requires further examination and is therefore excluded from the scope of this document.

NOTE 1 A qualified geologist (petrographer), with experience of materials used in civil engineering and aware of the composition of the deposit, has sufficient skills to sample and name the rock.

NOTE 2 For precise petrographic identification, a non-exhaustive list of reference literature is given in the Bibliography.

This document covers only natural aggregates. It is used to describe massive rocks and unconsolidated rocks.

Annex A provides guidance on the petrographic nomenclature by giving definitions of simple petrographic terms applicable to rock types used for aggregates.

SIST/TC BBB Beton, armirani beton in prednapeti beton

SIST-TP CEN/TR 17172:2022

2022-09 (po) (en;fr;de) 58 str. (J)

Program validacije standardizirane preskusne metode za preskušanje penetracije kloridov in karbonatizacije

Validation testing program on chloride penetration and carbonation standardized test methods

Osnova: CEN/TR 17172:2022
ICS: 91.100.30

The objective of the document consists in testing concrete mixes complying with EN 206 for particular aggressive environments with the test methods being standardized by TC 51/WG 12 on chloride penetration and carbonation in order to verify their robustness and coherence.

SIST/TC DPL Oskrba s plinom

SIST EN 12583:2022 SIST EN 12583:2014
2022-09 (po) (en;fr;de) 66 str. (K)
Infrastruktura za plin - Kompresorske postaje - Funkcionalne zahteve
Gas Infrastructure - Compressor stations - Functional requirements
Osnova: EN 12583:2022
ICS: 75.200, 23.140

This European Standard describes the specific functional requirements for the design, construction, operation, maintenance and disposal activities for safe and secure gas compressor stations.
This European Standard applies to new gas compressor stations with a Maximum Operating Pressure (MOP) over 16 bar and with a total shaft power over 1 MW. For existing compressor stations, this European Standard applies to new compressor units. Where changes/modifications to existing installations or gas composition take place, due account may be taken of the requirements of this European Standard.
This European Standard does not apply to gas compressor stations operating prior to the publication of this European Standard.
The purpose of this European Standard is intended to:
— ensure the health and safety of the public and all site personnel,
— to cover environmental issues and
— to avoid incidental damage to nearby property and
— to open the gas infrastructure to accommodate renewable gases.
This European Standard does not apply to:
— off-shore gas compressor stations;
— gas compressor stations for compressed natural gas filling-stations;
— customer installations downstream of the point of custody transfer;
— design and construction of driver packages (see Annex C);
— mobile compressor equipment.
For supplies to utility services such as small central heating boilers reference should be made to EN 1775.

SIST EN 17649:2022 SIST EN 15399:2019
SIST EN 16348:2013
2022-09 (po) (en;fr;de) 38 str. (H)
Infrastruktura za plin - Sistem varnega upravljanja (SMS) in sistem celostnega upravljanja plinovodnih sistemov (PIMS) - Funkcionalne zahteve
Gas infrastructure - Safety Management System (SMS) and Pipeline Integrity Managementsystem (PIMS) - Functional requirements
Osnova: EN 17649:2022
ICS: 91.140.40, 75.200

This document specifies requirements on the development and implementation of a safety management system for operators of gas transmission and/or distribution infrastructure.
This document refers to all activities and processes related to safety aspects and performed by operators of a gas network, including those activities entrusted to contractors. It includes safety-related provisions on operation of the gas network.
The described safety management system is applicable to infrastructure for the transmission and distribution of processed, non-toxic and non-corrosive gas of the 2nd gas family as classified in EN 437, including injected gases.
NOTE 1 Injected gases can be bio methane, hydrogen, synthetic gases and others.
This document can also apply for gas infrastructure conveying only other gases such as bio methane, hydrogen, syntactic gases or gases of the 3rd family as classified in EN 437.
Specific requirements for either transmission or distribution can be found in de specific parts for transmission and distribution.

SIST EN ISO 20519:2022 SIST EN ISO 20519:2017
2022-09 (po) (en;fr;de) 45 str. (I)
Ladjarska in pristaniška tehnologija - Specifikacija za oskrbovanje plovil na utekočinjeni zemeljski plin (ISO 20519:2021)
Ships and marine technology - Specification for bunkering of liquefied natural gas fuelled vessels (ISO 20519:2021)
Osnova: EN ISO 20519:2022
ICS: 75.060, 47.020.99

This document specifies requirements for LNG bunkering transfer systems and equipment used to bunker LNG fuelled vessels, which are not covered by the IGC Code. This document is applicable to vessels involved in international and domestic service regardless of size, and addresses the following five elements:
a) hardware: liquid and vapour transfer systems;
b) operational procedures;
c) requirement for the LNG provider to provide an LNG bunker delivery note;
d) training and qualifications of personnel involved;
e) requirements for LNG facilities to meet applicable ISO standards and local codes.

SIST EN ISO 20765-5:2022
2022-09 (po) (en;fr;de) 25 str. (F)
Zemeljski plin - Izračun termodinamičnih lastnosti - 5. del: Izračun viskoznosti, Joule-Thomsonovega koeficienta in isentropnega eksponenta (ISO 20765-5:2022)
Natural gas - Calculation of thermodynamic properties - Part 5: Calculation of viscosity, Joule-Thomson coefficient, and isentropic exponent (ISO 20765-5:2022)
Osnova: EN ISO 20765-5:2022
ICS: 75.060

This document specifies methods to calculate (dynamic) viscosity, Joule-Thomson coefficient, isentropic exponent, and speed of sound, excluding density, for use in the metering of natural gas flow.

SIST-TP CEN/TR 17797:2022
2022-09 (po) (en) 127 str. (O)
Infrastruktura za plin - Posledice zaradi vodika v infrastrukturi za plin in ugotavljanje s tem povezanih potreb po standardizaciji na področju CEN/TC 234
Gas infrastructure - Consequences of hydrogen in the gas infrastructure and identification of related standardisation need in the scope of CEN/TC 234
Osnova: CEN/TR 17797:2022
ICS: 01.120, 75.180.01

This document is written in preparation of future standardization and provides guidance on the impact of the injection of H2 into the gas infrastructure from the input of gas into the on-shore transmission network up to the inlet connection of gas appliances.
Furthermore, it identifies the expected revision need of the existing CEN/TC 243 standards as well as the need of further new standardization deliverables.
It examines the effects on each part of the gas infrastructure in the scope of the CEN/TC 234 Working Groups 1 to 12 inclusive, based on available studies, reports and research. Due to several limitations at different hydrogen concentrations, the impacts are specified.
For some specific impact, pre-standardization research is needed.
By convention, for this technical report, the injection of pure hydrogen, i. e. without trace components is considered.
The information from this report is intended to define the CEN/TC 234 work program for the coverage of H2NG in relation to the scope of the CEN/TC 234 and its WGs.
NOTE Progress on hydrogen will develop over time. In principle this will be reflected in the standardization process in CEN/TC 234.

SIST/TC DTN Dvigalne in transportne naprave

SIST EN 619:2022 SIST EN 619:2003+A1:2011
2022-09 (po) (en;fr;de) 161 str. (P)
Naprave in sistemi za kontinuirni transport - Varnostne zahteve za opremo za kontinuirni transport kosovnih tovorov
Continuous handling equipment and systems - Safety requirements for equipment for mechanical handling of unit loads
Osnova: EN 619:2022
ICS: 33.100.01, 53.040.10

1.1 This document deals with the technical requirements to minimise the hazards listed in Annex F. These hazards can arise during the operation and maintenance of continuous handling equipment and systems when carried out in accordance with the specifications given by the manufacturer or his authorised representative. This document deals with safety related technical verification during commissioning.
1.2 This document applies to mechanical handling devices as defined in Clause 3, singly or combined to form a conveyor system, and designed exclusively for moving unit loads continuously on a predefined route from the loading to the unloading points, possibly with varying speed or cyclically. In general, it also applies to conveyors which are built into machines or attached to machines.
1.3 Safety requirements and/or measures in this document apply to equipment used in all environments. However, additional risk assessments and safety measures need to be considered for uses in severe conditions, e.g.
- freezer applications,
- high temperatures,
- corrosive environments,
- strong magnetic fields,
- potentially explosive atmospheres,
- radioactive conditions and loads the nature of which could lead to a dangerous situation (e.g. molten metal, acids/bases, especially brittle loads, explosives),
- operation on ships and earthquake effects and
- contact with foodstuff.

1.4 This document deals with the technical requirements for electromagnetic compatibility (EMC).
1.5 This document does not cover hazards during decommissioning. It also does not cover operation in environments where the electromagnetic disturbances are outside the range of those specified in EN 61000-6-2:2016.
This document does not apply to conveying equipment and systems used underground or in public areas and to aircraft ground support equipment. In public areas only baggage carousels and check-in conveyors for airports are dealt with in this document.
NOTE Aircraft ground support equipment is covered by the standards of CEN/TC 274.
1.6 This document is not applicable to continuous handling equipment and systems manufactured before the date of its publication.

SIST EN 81-21:2022 SIST EN 81-21:2018
2022-09 (po) (en;fr;de) 34 str. (H)
Varnostna pravila za konstruiranje in vgradnjo dvigal (liftov) - Dvigala za prevoz oseb in blaga - 21. del: Nova osebna in osebno-tovorna dvigala v obstoječih stavbah
Safety rules for the construction and installation of lifts - Lifts for the transport of persons and goods - Part 21: New passenger and goods passenger lifts in existing building
Osnova: EN 81-21:2022
ICS: 91.140.90

This document specifies the safety rules related to passenger and goods/passenger lifts installed in existing buildings where limitations enforced by certain building constraints mean that some requirements of EN 81 20:2020 cannot be met.

This document is intended to be read and applied in conjunction with EN 81-20:2020. It addresses the following constraints and gives requirements for alternative solutions:
- existing perforate walls of the lift well;
- reduction in available well are leading to reduced distance between car, counterweight or balancing weight;
- counterweight or balancing weight in a separate existing well;
- reduced building dimensions and clearances leading to:
- reductions in available space for headroom and pit;
- reduced car roof balustrade dimensions;
- reduced height of sill apron;
- reduced height of machine and/or pulley room;
- reduced available area for access door/trap door;
- reduction in available height of landing doors.

This document is not applicable to lifts installed before the date of its publication.

SIST EN 81-28:2022
2022-09 (po) (en;fr;de) 20 str. (E)
Varnostna pravila za konstruiranje in vgradnjo dvigal (liftov) - Dvigala za prevoz oseb in blaga - 28. del: Alarmi v osebnih in osebno-tovornih dvigalih
Safety rules for the construction and installation of lifts - Lifts for the transport of persons and goods - Part 28: Remote alarm on passenger and goods passenger lifts
Osnova: EN 81-28:2022
ICS: 91.140.90, 13.320

This document covers the risk of entrapment of users in the car and in the well, and gives the technical requirements for the alarm systems for passenger and goods passenger lifts, as described in the EN 81 series.
This includes:
- activation of the alarm,
- transmission of the alarm,
- information for use and maintenance,
- site testing to verify the requirements of this document have been met before the lift is used.

Excluded are:
- the failure of the communication network (see Annex A), including mobile network signal strength or similar;
- the failure of the network power supply such that all the lifts in a geographical area create entrapment simultaneously.

This document is not applicable to alarm systems for lifts installed before the date of its publication.

SIST EN 81-58:2022 SIST EN 81-58:2018
2022-09 (po) (en;fr;de) 34 str. (H)
Varnostna pravila za konstruiranje in vgradnjo dvigal (liftov) - Pregled in preskusi - 58. del: Preskus odpornosti vrat proti požaru
Safety rules for the construction and installation of lifts - Examination and tests - Part 58: Landing doors fire resistance test
Osnova: EN 81-58:2022
ICS: 13.220.50, 91.140.90

This document specifies the fire resistance requirements for lift landing doors which can be exposed to a fire from the landing side. This document applies to all types of lift landing doors used as a means of access to lifts in buildings and which are intended to provide a fire barrier to the spread of fire via the lift well.
It also specifies the method of testing and classification of fire resistance of lift landing doors. The test method is only valid for furnaces where the door is mounted in a vertical position. The test method allows for the measurement of integrity and if required the measurement of radiation and thermal insulation.

This document covers the hazard of fire spreading to the lift well during a defined period of time. The fire resistance requirements are expressed in terms of integrity (E), insulation (EI) and radiation (EW). This document do not cover other technical requirements in addition to fire resistance requirements. The other technical requirements are specified in relevant product standards referring to this document. This document refers to CO2 as means of tracing the propagation of fire. The document does not cover hazards due to emission of gasses.
This document is not applicable to lift landing doors installed in lifts before the date of its publication.

SIST EN 81-71:2022 SIST EN 81-71:2018+AC:2019
2022-09 (po) (en;fr;de) 30 str. (G)
Varnostna pravila za konstruiranje in vgradnjo dvigal (liftov) - Posebne izvedbe osebnih in osebno-tovornih dvigal - 71. del: Dvigala, odporna proti vandalizmu
Safety rules for the construction and installation of lifts - Particular applications to passenger lifts and goods passenger lifts - Part 71: Vandal resistant lifts
Osnova: EN 81-71:2022
ICS: 13.310, 91.140.90

This document gives requirements in order to ensure the safety of persons when using lifts which are subject to different expected levels of vandalism:
- Category 1, where lifts are in general public, in locations which are unobserved and limited acts of vandalism might occur, e.g. an enclosed lift in a shopping center;
- Category 2, where lifts are in general public, in locations which are unobserved where stronger acts of vandalism can be expected e.g. a lift in a public car park.
NOTE See Annex A for further information with regard to the selection of the vandal resistance category to be applied.
This document is not applicable to lifts installed before the date of its publication.

SIST/TC EMC Elektromagnetna združljivost

SIST EN 50715:2022
2022-09 (po) (en;fr) 9 str. (C)
Elektromagnetna združljivost - Radiofrekvenčno sevanje - Statistični vidiki ugotavljanja skladnosti množično proizvedenih izdelkov z zahtevami za neželena radiofrekvenčna sevanja
Electromagnetic compatibility - Radio frequency emission - Statistical considerations in the determination of compliance for mass-produced products with requirements for unwanted radio frequency emission
Osnova: EN 50715:2022
ICS: 33.100.01

To provide a Standard (not TR)
This standard to provide statistical methods for the determination of compliance with radio frequency emission limits for mass-produced products.
This standard to be derived from the basic EMC technical report CISPR TR 16-4-3 "Specification for radio disturbance and immunity measuring apparatus and methods - Part 4-3: Uncertainties, statistics and limit modelling - Statistical considerations in the determination of EMC compliance of mass-produced products."

SIST/TC EPO Embalaža - prodajna in ovojna

SIST EN 17427:2022
2022-09 (po) (en;fr;de) 35 str. (H)
Embalaža - Zahteve in shema preskušanja vrečk za nošenje blaga, primernih za razgradnjo v dobro vodenih gospodinjskih kompostnikih
Packaging - Requirements and test scheme for carrier bags suitable for treatment in well-managed home composting installations
Osnova: EN 17427:2022
ICS: 55.080

This document specifies a testing scheme and requirements for the designation of carrier bags of any materials that are considered to be suitable for the incorporation into well-managed home composting installations run by householders for personal uses. Carrier bags are considered as suitable for home composting only if all the individual components meet the requirements.
The following five aspects are addressed:
a) characterization;
b) biodegradation;
c) disintegration during home composting;
d) compost quality;
e) recognizability.
The first four aspects (a) to d)) are assessing the effects on the biological treatment process and the compost made by it. The fifth aspect ensures the recognizability of home compostable carrier bags by the end user.
This document forms the basis for the labelling of carrier bags of any material that are considered to be suitable for the incorporation into well-managed home composting installations.
NOTE 1 Compliance with the requirements of this document by the carrier bags entering the compost does not necessarily imply that a high-quality compost will be produced.
This document covers the home compostability of the carrier bags themselves but does not address regulations that may exist regarding the home compostability of any residual contents.
The testing scheme and the requirements specified by this document do not apply to worm composting and/or industrial composting.
It does not provide information on the biodegradability of carrier bags ending up in the environment as litter.
This document includes a reference to guides to well-managed home composting (Annex E).
Compost produced by a private individual is for his own use and not for provision to others, free of charge or in return for payment. This document has no value as a marketing authorization or authorization of use of the final compost.
NOTE 2 The testing scheme and evaluation criteria could be the basis for the establishment of suitability to home composting of other products.

SIST EN ISO 16495:2022 SIST EN ISO 16495:2014
2022-09 (po) (en;fr;de) 53 str. (J)
Embalaža - Transportna embalaža za nevarno blago - Preskusne metode (ISO 16495:2022)
Packaging - Transport packaging for dangerous goods - Test methods (ISO 16495:2022)
Osnova: EN ISO 16495:2022
ICS: 55.020, 13.300

This document specifies the information needed for the design type testing of packaging, intermediate bulk containers (IBCs) and large packaging intended for use in the transport of dangerous goods.
NOTE 1 This document can be used in conjunction with one or more of the international regulations set out in the Bibliography.
NOTE 2 The term “packaging” includes packaging for Class 6.2 infectious substances according to the United Nations.

SIST/TC EXP Električni aparati za eksplozivne atmosfere

SIST EN 17624:2022
2022-09 (po) (en;fr;de) 19 str. (E)
Določanje eksplozijskih mej plinov in hlapov pri povišanem tlaku, povišani temperaturi ali z oksidanti, ki niso sestavljeni iz zraka
Determination of explosion limits of gases and vapours at elevated pressures, elevated temperatures or with oxidizers other than air
Osnova: EN 17624:2022
ICS: 13.230

This document specifies a test method to determine the explosion limits of gases, vapours and their mixtures, mixed with a gaseous oxidizer or an oxidizer/inert gas mixture at pressures from 1 bar to 100 bar and for temperatures up to 400 °C.

SIST/TC FGA Funkcionalnost gospodinjskih aparatov

SIST-TS CLC/TS 50677:2022 SIST-TS CLC/TS 50677:2019
2022-09 (po) (en) 42 str. (I)
Pralni in pralno-sušilni stroji za gospodinjsko in podobno uporabo - Metoda za ugotavljanje učinkovitosti izpiranja z merjenjem tenzidov na tekstilu
Clothes washing machines and washer-dryers for household and similar use - Method for the determination of rinsing effectiveness by measurement of the surfactant content at textile materials
Osnova: CLC/TS 50677:2022
ICS: 97.060

The first edition of this Technical Specification provides a method for the evaluation of the rinsing effectiveness of household clothes washing machines, washer dryers and commercial washing machine. The amount of residual detergent extracted from the unstained swatches of the strips used in the washing performance test is determined. This is accomplished by measuring the ultraviolet light absorbance at the wavelength particular to linear alkylbenzene sulfonate surfactant, a key ingredient of the detergent with a known linear relationship to the quantity of detergent mixture.
Using a concentration versus absorbance curve developed as part of this procedure, the absorbance values can then be converted into detergent concentrations, which together with the test solution mass data, yields detergent quantities.
The first edition is now widely used in many different laboratories, both manufactures and independent test labs. SWG01-08 received feedback that the test burden is very high, which increases the costs and lowers the ability to test many machines in parallel. With the second edition, it is planned to simplify the procedure to improve the output of this method and decrease the test costs.

SIST/TC IBLP Barve, laki in premazi

SIST EN 13523-25:2022 SIST EN 13523-25:2014
2022-09 (po) (en;fr;de) 10 str. (C)
Prevlečene kovine, ki se navijajo - Preskusne metode - 25. del: Odpornost proti vlagi
Coil coated metals - Test methods - Part 25: Resistance to humidity
Osnova: EN 13523-25:2022
ICS: 17.040.20, 25.220.60

This Part of EN 13523 specifies a procedure for evaluating the humidity resistance of an organic coating (coil coating) on a metallic substrate, by means of exposure in a humidity cabinet under controlled conditions.

SIST EN 13523-26:2022 SIST EN 13523-26:2014
2022-09 (po) (en;fr;de) 8 str. (B)
Prevlečene kovine, ki se navijajo - Preskusne metode - 26. del: Odpornost proti kondenzirani vodi
Coil coated metals - Test methods - Part 26: Resistance to condensation of water
Osnova: EN 13523-26:2022
ICS: 17.040.20, 25.220.60

This Part of EN 13523 specifies a procedure for evaluating the condensation resistance of an organic coating (coil coating) on a metallic substrate, by means of exposure in a humidity cabinet under controlled conditions.

SIST EN 13523-9:2022 SIST EN 13523-9:2014
2022-09 (po) (en;fr;de) 10 str. (C)
Prevlečene kovine, ki se navijajo - Preskusne metode - 9. del: Odpornost proti vodi pri potapljanju
Coil coated metals - Test methods - Part 9: Resistance to water immersion
Osnova: EN 13523-9:2022
ICS: 17.040.20, 25.220.60

This Part of EN 13523 describes the procedure for determining the resistance to water immersion of an organic coating on a metallic substrate. The test is applicable to all kinds of organic coatings, including metallics and embossed, textured, pearlescent and printed coatings. The results of the test give an indication of the resistance of the coil coated metal to water. The method is not intended to reproduce any particular condition of condensation.

SIST EN 15457:2022 SIST EN 15457:2014
2022-09 (po) (en;fr;de) 13 str. (D)
Barve in laki - Laboratorijske metode za preskušanje učinkovitosti konzervansov filma v premazih proti glivam
Paints and varnishes - Laboratory method for testing the efficacy of film preservatives in a coating against fungi
Osnova: EN 15457:2022
ICS: 87.040

This document specifies a laboratory test method for determining the biocidal/biostatic efficacy of single active substances or combinations thereof used in film preservatives in a coating against fungal growth. This document does not apply to coatings not susceptible to fungal growth. The test method comprises only active substances for film preservation, not the protection of the substrate itself, e.g. wood, which is dealt with in another standard. The test method is applicable for active substances used for wood and masonry coatings. It is not applicable to marine coatings.
Safety, health and environmental aspects are not in the scope of this document.
Determination of the performance of film preservatives in coatings by applying ageing procedures is not within the scope of this document.

SIST EN 15458:2022 SIST EN 15458:2014
2022-09 (po) (en;fr;de) 13 str. (D)
Barve in laki - Laboratorijska metoda za preskušanje učinkovitosti konzervansov filma v premazih proti algam
Paints and varnishes - Laboratory method for testing the efficacy of film preservatives in a coating against algae
Osnova: EN 15458:2022
ICS: 87.040

This European Standard specifies a laboratory test method for determining the biocidal/biostatic efficacy of single active substances or combinations thereof used in film preservatives in a coating against algal growth. The standard does not apply to coatings not susceptible to algal growth. The test method comprises only active substances for film preservation, not the protection of the substrate itself, e.g. wood, which is dealt with in another standard. The test method is applicable for active substances used for wood and masonry coatings. It is not applicable to marine coatings.

Safety, health and environmental aspects are not in the scope of this standard.
Determination of the performance of film preservatives in coatings by applying ageing procedures is not within the scope of this standard.

SIST EN ISO 11125-9:2022
2022-09 (po) (en;fr;de) 21 str. (F)
Priprava jeklenih podlag pred nanašanjem barv in sorodnih premazov - Preskusne metode za kovinske granulate za peskanje - 9. del: Preskušanje obrabe in lastnosti (ISO 11125-9:2021)
Preparation of steel substrates before application of paints and related products - Test methods for metallic blast-cleaning abrasives - Part 9: Wear testing and performance (ISO 11125-9:2021)
Osnova: EN ISO 11125-9:2022
ICS: 87.020, 25.220.10

This document applies to the testing of virgin metallic blasting media in the delivery state by centrifugal blasting under laboratory conditions. In general, the effect of wear and consumption are tested. Special arrangements may be required for specific test procedures. The results can be used for comparison purposes (quality inspection) or for monitoring (quality control) of the deliveries for uniformity.

SIST EN ISO 16925:2022 SIST EN ISO 16925:2014
2022-09 (po) (en;fr;de) 23 str. (F)
Barve in laki - Ugotavljanje odpornosti premazov proti curkom vode pod tlakom (ISO 16925:2021)
Paints and varnishes - Determination of the resistance of coatings to pressure water-jetting (ISO 16925:2021)
Osnova: EN ISO 16925:2022
ICS: 87.040

This document specifies a test method for the evaluation of the resistance of coatings to pressure water-jetting. The test method simulates the effects pressure water-jetting has on a coating.

SIST EN ISO 17463:2022 SIST EN ISO 17463:2014
2022-09 (po) (en;fr;de) 23 str. (F)
Barve in laki - Smernice za ugotavljanje protikorozijskih lastnosti organskih premazov s pospešeno ciklično elektrokemijsko tehniko (ACET) (ISO 17463:2022)
Paints and varnishes - Guidelines for the determination of anticorrosive properties of organic coatings by accelerated cyclic electrochemical technique (ISO 17463:2022)
Osnova: EN ISO 17463:2022
ICS: 25.220.60, 87.040

This document gives guidelines on how to perform accelerated cyclic electrochemical technique (ACET) with organic protective coatings on metals.
This document specifies the execution of an ACET test and the considerations relative to the samples and electrochemical cell, test parameters and procedure.
This document also provides guidelines for the presentation of experimental results such as Bode plots and relaxation curves and other types of information obtained.
Some typical examples are shown in Annex A.

SIST EN ISO 19403-1:2022 SIST EN ISO 19403-1:2020
2022-09 (po) (en;fr;de) 21 str. (F)
Barve in laki - Omočljivost - 1. del: Terminologija in splošna načela (ISO 19403-1:2022)
Paints and varnishes - Wettability - Part 1: Vocabulary and general principles (ISO 19403-1:2022)
Osnova: EN ISO 19403-1:2022
ICS: 87.040, 01.040.87

This document specifies general terms and definitions for wettability. Some general principles are described in Annex A. This document is intended to be used in conjunction with ISO 4618.

SIST EN ISO 8130-4:2022 SIST EN ISO 8130-4:2012
2022-09 (po) (en;fr;de) 12 str. (C)
Praškasti premazi - 4. del: Izračun spodnje meje eksplozivnosti (ISO 8130-4:2021)
Coating powders - Part 4: Calculation of lower explosion limit (ISO 8130-4:2021)
Osnova: EN ISO 8130-4:2022
ICS: 87.040, 13.220.40

This document specifies a method for the calculation of the lower explosion limit of a coating powder, i.e. the minimum concentration of the coating powder in air which will form an explosive mixture. It is based on the measurement of the gross calorific value of the product, as determined by the method described in ISO 1928.

SIST-TS CEN ISO/TS 19392-1:2022
2022-09 (po) (en;fr;de) 17 str. (E)
Barve in laki - Premazni sistemi za lopatice rotorjev vetrnih turbin - 1. del: Minimalne zahteve in vremenski vplivi (ISO/TS 19392-1:2018)
Paints and varnishes - Coating systems for wind-turbine rotor blades - Part 1: Minimum requirements and weathering (ISO/TS 19392-1:2018)
Osnova: CEN ISO/TS 19392-1:2022
ICS: 27.180, 87.040

This document specifies minimum requirements and weathering for coating systems for wind-turbine rotor blades.

SIST-TS CEN ISO/TS 19392-2:2022
2022-09 (po) (en;fr;de) 18 str. (E)
Barve in laki - Premazni sistemi za lopatice rotorjev vetrnih turbin - 2. del: Ugotavljanje in vrednotenje odpornosti proti eroziji zaradi dežja z vrtečo roko (ISO/TS 19392-2:2018)
Paints and varnishes - Coating systems for wind-turbine rotor blades - Part 2: Determination and evaluation of resistance to rain erosion using rotating arm (ISO/TS 19392-2:2018)
Osnova: CEN ISO/TS 19392-2:2022
ICS: 27.180, 87.040

This document specifies a test method for the determination of resistance of coating systems or tape for wind-turbine rotor blades to rain erosion by using the rotating arm test.

SIST-TS CEN ISO/TS 19392-3:2022
2022-09 (po) (en;fr;de) 20 str. (E)
Barve in laki - Premazni sistemi za lopatice rotorjev vetrnih turbin - 3. del: Ugotavljanje in vrednotenje odpornosti proti eroziji zaradi dežja z vodnim curkom pod tlakom (ISO/TS 19392-3:2018)
Paints and varnishes - Coating systems for wind-turbine rotor blades - Part 3: Determination and evaluation of resistance to rain erosion using water jet (ISO/TS 19392-3:2018)
Osnova: CEN ISO/TS 19392-3:2022
ICS: 27.180, 87.040

This document specifies test methods for the determination of resistance of coating systems or tape for wind-turbine rotor blades to rain erosion by using the water jet test.

SIST/TC IESV Električne svetilke

SIST EN 61347-2-7:2012/A2:2022
2022-09 (po) (en) 20 str. (E)
Stikalne naprave za sijalke - 2-7. del: Posebne zahteve za električni vir za varnostne storitve (ESSS) napajane elektronske predstikalne naprave za zasilno razsvetljavo - Dopolnilo A2 (IEC 61347-2-7/AMD2:2021)
Lamp controlgear - Part 2-7: Particular requirements for electric source for safety services (ESSS) supplied electronic controlgear for emergency lighting (self-contained) (IEC 61347-2-7/AMD2:2021)
Osnova: EN 61347-2-7:2012/A2:2022
ICS: 29.130.01, 29.140.99

Amandma A2:2022 je dodatek k standardu SIST EN 61347-2-7:2012.
This part of IEC 61347 specifies particular safety requirements for battery supplied electronic controlgear for maintained and non-maintained emergency lighting purposes.
It includes specific requirements for electronic controlgear and control units for self-contained luminaires for emergency lighting as specified by IEC 60598-2-22.
It is intended for controlgear for fluorescent lamps, but it is also applicable to other lamp types e.g. incandescent, high pressure discharge lamps and LEDs.
This standard covers the emergency mode operation of a controlgear. For controlgear with a combination of normal and emergency lighting operation, the normal lighting operation aspects are covered by the appropriate part 2 of IEC 61347.
DC supplied electronic controlgear for emergency lighting may or may not include batteries.
This standard also includes operational requirements for electronic controlgear, which, in the case of d.c. supplied electronic controlgear, are regarded as performance requirements. This is because non-operational emergency lighting equipment presents a safety hazard. It does not apply to d.c. supplied electronic controlgear for emergency lighting, which are intended for connection to a centralised emergency power supply system. A centralised emergency power system could be a central battery system.
NOTE Annex J of IEC 61347-2-3 applies to a.c., a.c./d.c. or d.c. supplied electronic controlgear for connection to centralised emergency power supply systems that are also intended for emergency lighting operations from a.c./d.c. supplies.

SIST EN IEC 60598-2-22:2022 SIST EN 60598-2-22:2015
SIST EN 60598-2-22:2015/A1:2020
SIST EN 60598-2-22:2015/AC:2015
SIST EN 60598-2-22:2015/AC:2016
2022-09 (po) (en) 46 str. (I)
Svetilke - 2-22. del: Posebne zahteve - Svetilke za zasilno razsvetljavo (IEC 60598-2-22:2021)
Luminaires - Part 2-22: Particular requirements - Luminaires for emergency lighting (IEC 60598-2-22:2021)
Osnova: EN IEC 60598-2-22:2022
ICS: 91.160.10, 29.140.40

This part of IEC 60598 specifies requirements for emergency luminaires for use with electrical lamps on emergency power supplies not exceeding 1 000 V.
This document does not cover the effects of non-emergency voltage reductions on luminaires incorporating high pressure discharge lamps.
This document gives general requirements for emergency lighting equipment.
In this document, the term "lamp" which also includes "light source(s)" where appropriate, is used.

SIST EN IEC 60810:2018/A2:2022
2022-09 (po) (en) 9 str. (C)
Sijalke, viri svetlobe in okrovi svetlečih diod (LED) za cestna vozila - Tehnične zahteve - Dopolnilo A2 (IEC 60810:2017/AMD2:2022)
Lamps, light sources and LED packages for road vehicles - Performance requirements (IEC 60810:2017/AMD2:2022)
Osnova: EN IEC 60810:2018/A2:2022
ICS: 29.140.20, 43.040.20

Amandma A2:2022 je dodatek k standardu SIST EN IEC 60810:2018.
This document is applicable to filament lamps, discharge lamps, LED light sources and LED packages to be used in road vehicles, i.e. in headlamps, fog-lamps, signalling lamps and interior lighting. It is especially applicable to those lamps and light sources which are listed in IEC 60809.
It specifies requirements and test methods for the measurement of performance characteristics such as lamp life, luminous flux maintenance, torsion strength, glass bulb strength and resistance to vibration and shock. Moreover, information on temperature limits, maximum lamp outlines and maximum tolerable voltage surges is given as guidance for lighting and electrical equipment design.
For some of the requirements given in this document, reference is made to data given in tables. For lamps not listed in such tables, the relevant data are supplied by the lamp manufacturer or responsible vendor.
The performance requirements are additional to the basic requirements specified in IEC 60809. They are, however, not intended to be used by authorities for legal type-approval purposes.
NOTE 1 In the various vocabularies and standards, different terms are used for "incandescent lamp" (IEC 60050-845:1987, 845-07-04) and "discharge lamp" (IEC 60050-845:1987, 845-07-17). In this document, "filament lamp" and "discharge lamp" are used. However, where only “lamp” is written both types are meant, unless the context clearly shows that it applies to one type only.
NOTE 2 This document does not apply to luminaires.
NOTE 3 In this document, the term LED light source is used, in other standards the term LED lamps can be used to describe similar products.

SIST/TC IFEK Železne kovine

SIST EN ISO 6149-1:2022 SIST EN ISO 6149-1:2019
2022-09 (po) (en;fr;de) 14 str. (D)
Priključki v fluidni tehniki in splošna uporaba - Odprtine in priključki z navoji po ISO 261 in tesnilkami O - 1. del: Odprtine s tesnilko O v koničnem ohišju (ISO 6149-1:2022)
Connections for hydraulic fluid power and general use - Ports and stud ends with ISO 261 metric threads and O-ring sealing - Part 1: Ports with truncated housing for O-ring seal (ISO 6149-1:2022)
Osnova: EN ISO 6149-1:2022
ICS: 23.100.40

This document specifies dimensions for metric ports for use with the adjustable and non-adjustable stud ends as described in ISO 6149-2 and ISO 6149-3.
Ports in accordance with this document can be used at working pressures up to 63 MPa [630 bar[1]] for non-adjustable stud ends and 40 MPa (400 bar) for adjustable stud ends. The permissible working pressure depends upon port size, materials, design, working conditions, application, etc. See ISO 6149-2 and ISO 6149-3 for pressure ratings.
NOTE The Introduction of this document gives recommendations for ports and stud ends to be used for new designs in hydraulic fluid power applications.
[1] 1 bar = 0,1 MPa = 105 Pa; 1 MPa = 1 N/mm2.

SIST-TP CEN/TR 17856:2022
2022-09 (po) (en;fr;de) 11 str. (C)
Merjenje premaznih lastnosti neorientirane elektropločevine
Measurement of the coating properties of non-oriented electrical steel
Osnova: CEN/TR 17856:2022
ICS: 77.140.50, 77.140.40

This technical report describes the qualification methods, relevant for the non-oriented electrical steel coatings described in EN 10342. In particular, it describes the testing methods, sample preparation, calibration methods, that are necessary to obtain reliable results that can be considered a reference for quality evaluation.

SIST/TC IKER Keramika

SIST EN ISO 10545-20:2022
2022-09 (po) (en;fr;de) 13 str. (D)
Keramične ploščice - 20. del: Ugotavljanje deformacije keramičnih ploščic za izračun njihovega polmera ukrivljenosti (ISO 10545-20:2022)
Ceramic tiles - Part 20: Determination of deflection of ceramic tiles for calculating their radius of curvature (ISO 10545-20:2022)
Osnova: EN ISO 10545-20:2022
ICS: 91.100.23

This standard defines a test method for the determination of deflection of ceramic tiles for calculating their radius of curvature.

SIST/TC IMIN Merilni instrumenti

SIST EN ISO 5167-1:2022 SIST EN ISO 5167-1:2004
2022-09 (po) (de) 51 str. (J)
Merjenje pretoka fluida na osnovi tlačne razlike, povzročene z napravo, vstavljeno v polno zapolnjen vod s krožnim prerezom – 1. del: Splošna načela in zahteve (ISO 5167-1:2022)
Measurement of fluid flow by means of pressure differential devices inserted in circular cross-section conduits running full - Part 1: General principles and requirements (ISO 5167-1:2022)
Osnova: EN ISO 5167-1:2022
ICS: 17.120.10

This document defines terms and symbols and establishes the general principles for methods of measurement and computation of the flow rate of fluid flowing in a conduit by means of pressure differential devices (orifice plates, nozzles, Venturi tubes, cone meters, and wedge meters) when they are inserted into a circular cross-section conduit running full. This document also specifies the general requirements for methods of measurement, installation and determination of the uncertainty of the measurement of flow rate.
ISO 5167 (all parts) is applicable only to flow that remains subsonic throughout the measuring section and where the fluid can be considered as single-phase. It is not applicable to the measurement of pulsating flow.

SIST EN ISO 5167-2:2022 SIST EN ISO 5167-2:2004
2022-09 (po) (de) 62 str. (K)
Merjenje pretoka fluida na osnovi tlačne razlike, povzročene z napravo, vstavljeno v polno zapolnjen vod s krožnim prerezom - 2. del: Zaslonke (ISO 5167-2:2022)
Measurement of fluid flow by means of pressure differential devices inserted in circular cross-section conduits running full - Part 2: Orifice plates (ISO 5167-2:2022)
Osnova: EN ISO 5167-2:2022
ICS: 17.120.10

This document specifies the geometry and method of use (installation and operating conditions) of orifice plates when they are inserted in a conduit running full to determine the flow rate of the fluid flowing in the conduit.
This document also provides background information for calculating the flow rate and is applicable in conjunction with the requirements given in ISO 5167-1.
This document is applicable to primary devices having an orifice plate used with flange pressure tappings, or with corner pressure tappings, or with D and D/2 pressure tappings. Other pressure tappings such as “vena contracta” and pipe tappings are not covered by this document. This document is applicable only to a flow which remains subsonic throughout the measuring section and where the fluid can be considered as single phase. It is not applicable to the measurement of pulsating flow[1]. It does not cover the use of orifice plates in pipe sizes less than 50 mm or more than 1 000 mm, or where the pipe Reynolds numbers are below 5 000.

SIST EN ISO 5167-4:2022 SIST EN ISO 5167-4:2004
2022-09 (po) (de) 35 str. (H)
Merjenje pretoka fluida na osnovi tlačne razlike, povzročene z napravo, vstavljeno v polno zapolnjen vod s krožnim prerezom - 4. del: Venturijeve cevi (ISO 5167-4:2022)
Measurement of fluid flow by means of pressure differential devices inserted in circular cross-section conduits running full - Part 4: Venturi tubes (ISO 5167-4:2022)
Osnova: EN ISO 5167-4:2022
ICS: 17.120.10

This document specifies the geometry and method of use (installation and operating conditions) of Venturi tubes1) when they are inserted in a conduit running full to determine the flow rate of the fluid flowing in the conduit. This document also provides background information for calculating the flow rate and is applicable in conjunction with the requirements given in ISO 5167-1. This document is applicable only to Venturi tubes in which the flow remains subsonic throughout the measuring section and where the fluid can be considered as single-phase. In addition, Venturi tubes can only be used uncalibrated in accordance with this standard within specified limits of pipe size, roughness, diameter ratio and Reynolds number, or alternatively they can be used across their calibrated range. This document is not applicable to the measurement of pulsating flow. It does not cover the use of uncalibrated Venturi tubes in pipes sized less than 50 mm or more than 1 200 mm, or where the pipe Reynolds numbers are below 2 × 105. This document deals with the three types of classical Venturi tubes: a) “as cast”; b) machined; c) fabricated (also known as “rough-welded sheet-iron”). A Venturi tube consists of a convergent inlet connected to a cylindrical throat which is in turn connected to a conical expanding section called the divergent section (or alternatively the diffuser). Venturi nozzles (and other nozzles) are dealt with in ISO 5167-3. NOTE In the USA the classical Venturi tube is sometimes called the Herschel Venturi tube.

SIST EN ISO 9300:2022 SIST EN ISO 9300:2005
2022-09 (po) (de) 131 str. (O)
Merjenje pretoka plina na podlagi kritičnega toka v Venturijevi šobi (ISO 9300:2022)
Measurement of gas flow by means of critical flow nozzles (ISO 9300:2022)
Osnova: EN ISO 9300:2022
ICS: 17.120.10

This document specifies the geometry and method of use (installation in a system and operating conditions) of critical flow nozzles (CFNs) used to determine the mass flow rate of a gas flowing through a system basically without the need to calibrate the CFN. It also gives the information necessary for calculating the flow rate and its associated uncertainty.
This document is applicable to nozzles in which the gas flow accelerates to the critical velocity at the minimum flowing section, and only where there is steady flow of single-phase gas. When the critical velocity is attained in the nozzle, the mass flow rate of the gas flowing through the nozzle is the maximum possible for the existing inlet condition, while the CFN can only be used within specified limits, e.g. the CFN throat to inlet diameter ratio and Reynolds number. This document deals with the toroidal- and cylindrical-throat CFNs for which direct calibration experiments have been made in sufficient number to enable the resulting coefficients to be used with certain predictable limits of uncertainty.

SIST/TC INEK Neželezne kovine

SIST EN 12392:2016+A1:2022 SIST EN 12392:2016
SIST EN 12392:2016/oprA1:2019

2022-09 (po) (en;fr;de) 91 str. (M)

Aluminij in aluminijeve zlitine - Gnetne in ulite zlitine - Posebne zahteve za aluminijeve izdelke za izdelavo naprav, ki delajo pod tlakom

Aluminium and aluminium alloys - Wrought products and cast products - Special requirements for products intended for the production of pressure equipment

Osnova: EN 12392:2016+A1:2022
ICS: 77.150.10

This European Standard specifies the material requirements and testing procedures applicable to wrought and cast aluminium and aluminium alloys intended for use in the production of pressure equipment.
This European Standard covers:
- the products forms, grades and tempers of wrought and cast aluminium and aluminium alloys which may be used for such applications together with data for wrought and cast alloys over their permissible working temperature ranges;
- the permissible alloys/ tempers covered by this are those given in Table A.1 and in B.1 for wrought alloys and in Table A.2 and in B.2 for castings;
- the technical conditions for inspection and delivery, mechanical property limits and tolerances on form and dimensions by reference to the appropriate European standards for the relevant wrought and cast aluminium and aluminium alloys, and
- additional requirements which are specific to pressure equipment applications.

It applies to hot-rolled plate, cold-rolled sheet/ strip/ circles, extruded or extruded and cold drawn rod/bar, tube, extruded open / hollow profiles, forgings and castings, by this standard are those given in Table A.1 for wrought alloys and in Table A.2 for castings.
It is the sole objective of this standard to cover materials only for pressure purposes and it excludes any elements of fabrication or fabrication methods for pressure equipment; such information can be found in the relevant standards listed in the "Bibliography" section.

SIST EN 573-3:2019+A1:2022 SIST EN 573-3:2019
SIST EN 573-3:2019/oprA1:2021

2022-09 (po) (en;fr;de) 57 str. (J)

Aluminij in aluminijeve zlitine - Kemična sestava in oblika gnetenih izdelkov - 3. del: Kemična sestava in oblika izdelkov

Aluminium and aluminium alloys - Chemical composition and form of wrought products - Part 3: Chemical composition and form of products

Osnova: EN 573-3:2019+A1:2022
ICS: 77.040.30, 77.150.10

This document specifies the chemical composition limits of wrought aluminium and wrought aluminium alloys and form of products.
NOTE The chemical composition limits of aluminium and aluminium alloys specified herein are completely identical with those registered with the Aluminium Association, 1525, Wilson Boulevard, Suite 600, Arlington, VA 22209, USA, for the corresponding alloys.

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

SIST EN 1491:2022 SIST EN 1491:2000

2022-09 (po) (en;fr;de) 24 str. (F)

Ventili v stavbah - Ekspanzijski ventili - Preskusi in zahteve

Building valves - Expansion valves - Tests and requirements

Osnova: EN 1491:2022
ICS: 23.060.01, 91.140.60

This document specifies dimensions, materials and performance requirements (including methods of test) for expansion valves, of nominal sizes from DN 15 to DN 32, having working pressures) from 0,1 MPa (l bar) to 1,0 MPa (10 bar).
Expansion valves are intended for fitting to the cold potable water supply of storage water heaters, having a maximum distribution temperature of 95 °C, for all energy sources.
Expansion valves do not control the temperature and alone do not constitute the protection required for storage water heaters. Expansion valves limit pressure, in the water heaters to what they are fitted, that is produced by thermal expansion of the water.
NOTE The use of the device specified in this document does not override the need to use controls (e.g. thermostats and cut-outs) which act directly on the power sources of water heaters (for more information see Annex A).

SIST/TC IPKZ Protikorozijska zaščita kovin

SIST EN ISO 16539:2022
2022-09 (po) (en;fr;de) 27 str. (G)
Korozija kovin in zlitin - Pospešeni ciklični korozijski preskusi z izpostavljanjem sintetični morski vodi s postopkom nanašanja soli - "Suhi" in "mokri" pogoji pri konstantni absolutni vlažnosti (ISO 16539:2013)
Corrosion of metals and alloys - Accelerated cyclic corrosion tests with exposure to synthetic ocean water salt-deposition process - "Dry" and "wet" conditions at constant absolute humidity (ISO 16539:2013)
Osnova: EN ISO 16539:2022
ICS: 77.060

This document specifies two accelerated corrosion test procedures, Methods A and B, for the evaluation of corrosion behaviour of surface-treated metals and their alloys with and without paint on them in atmospheric environments. It also specifies the apparatus used. The two tests involve salt deposition and dry/wet conditions at a constant absolute humidity.
Method A applies to: metals and their alloys (including corrosion-resistance alloys)
Method B applies to: metals and their alloys; metals and their alloys with coatings [including metallic coatings (anodic or cathodic), organic coatings, and conversion coatings]**.**

SIST EN ISO 21207:2022
2022-09 (po) (en;fr;de) 17 str. (E)
Korozijski preskusi v umetnih atmosferah - Pospešeni korozijski preskusi, ki vključujejo izmenično izpostavljenost plinom, ki spodbujajo korozijo, nevtralnemu razprševanju soli in sušenju (ISO 21207:2015)
Corrosion tests in artificial atmospheres - Accelerated corrosion tests involving alternate exposure to corrosion-promoting gases, neutral salt-spray and drying (ISO 21207:2015)
Osnova: EN ISO 21207:2022
ICS: 77.060

This International Standard defines two accelerated corrosion test methods to be used in assessing the corrosion resistance of products with metals in environments where there is a significant influence of chloride ions, mainly as sodium chloride from a marine source or by winter road de-icing salt, and of corrosion-promoting gases from industrial or traffic air pollution.
This International Standard specifies both the test apparatus and test procedures to be used in executing the accelerated corrosion tests.
The methods are especially suitable for assessing the corrosion resistance of sensitive products with metals, e.g. electronic components, used in traffic and industrial environments.

SIST EN ISO 22479:2022 SIST EN ISO 3231:1998
SIST EN ISO 6988:1999
2022-09 (po) (en;fr;de) 22 str. (F)
Korozija kovin in zlitin - Korozijski preskus s SO2 v vlažni atmosferi (metoda s stalno (fiksno) koncentracijo plina) (ISO 22479:2019)
Corrosion of metals and alloys - Sulfur dioxide test in a humid atmosphere (fixed gas method) (ISO 22479:2019)
Osnova: EN ISO 22479:2022
ICS: 77.060

This document specifies a method for assessing the resistance of materials or products to a humid atmosphere containing sulfur dioxide.
This method is applicable to testing metals and alloys, metallic and non-organic coatings and organic coatings.

SIST EN ISO 24656:2022
2022-09 (po) (en;fr;de) 120 str. (N)
Katodna zaščita vetrnih konstrukcij na morju (ISO 24656:2022)
Cathodic protection of offshore wind structures (ISO 24656:2022)
Osnova: EN ISO 24656:2022
ICS: 77.060, 47.020.99

This European Standard will address the external and internal cathodic protection for offshore wind farm structures. It will be applicable for structures and appurtenances in contact with seawater or seabed environments. This Standard addresses:
- Design and implementation of cathodic protection systems for new structures,
- Assessment of residual lifetime of existing cathodic protection systems,
- Design and implementation of retrofit cathodic protection systems for improvement of the protection level or for life extension of the protection,
- Inspection and performance monitoring of cathodic protection systems installed on existing structures,
- Guidance on cathodic protection of reinforced concrete structures

SIST EN ISO 4528:2022 SIST EN ISO 4528:2015
2022-09 (po) (en;fr;de) 20 str. (E)
Steklasti in porcelanski zaključni emajli - Izbor preskusnih metod za emajlirane površine izdelkov (ISO 4528:2022)
Vitreous and porcelain enamel finishes - Selection of test methods for vitreous and porcelain enamelled areas of articles (ISO 4528:2022)
Osnova: EN ISO 4528:2022
ICS: 25.220.50

This document gives guidance on the selection of test methods for evaluating the performance of vitreous and porcelain enamelled finishes in different applications. This document references the test methods available for measuring the properties of these finishes and correlates these properties to the requirements of specific enamelled articles. This document is limited for the most part to test methods in ISO documents or European standards but does not provide acceptance criteria or performance limits for the properties. This document is applicable to all enamelled articles, irrespective of their basis metals.

SIST/TC IPMA Polimerni materiali in izdelki

SIST EN 17615:2022
2022-09 (po) (en;fr;de) 46 str. (I)
Polimerni materiali - Okoljski vidiki - Slovar
Plastics - Environmental Aspects - Vocabulary
Osnova: EN 17615:2022
ICS: 83.080.01, 13.020.01, 01.040.83

This document specifies terms and definitions in the field of plastics related to any environmental aspects and provides a common vocabulary basis for:
- biodegradability;
- bio-based plastics;
- carbon and environmental footprint;
- plastics in natural environments;
- recycling, e.g. mechanical and chemical recycling ;
- design ;
- waste management;
- circular economy.

This document aims to provide a comprehensive glossary which uses the applicable definitions providing when appropriate additional notes to make these definitions understandable without reference to other documents. Definitions are as far as possible adopted from existing standards but when the intention or definition is unclear additional context or definitions are updated or added.
This standard aims to provide a comprehensive glossary which uses the applicable definitions providing when appropriate additional notes to make these definitions understandable without reference to other documents.
As far as possible definitions are adapted from existing standards. But when the intention or definition is unclear additional context or definitions are updated or added
Terms which are also applicable to rubber will be indicated.

SIST EN 17679:2022
2022-09 (po) (en;fr;de) 9 str. (C)
Polimerni materiali - Plastične folije - Ugotavljanje odpornosti proti trganju z zarezovanjem trapezoidnega preskušanca
Plastics - Plastic films - Determination of tear resistance using a trapezoidal test specimen with incision
Osnova: EN 17679:2022
ICS: 83.140.10

This document specifies a method of determining the tear resistance of a plastic film under specified conditions. It is applicable to products that, because of their flexibility, do not tear when clamped between the grips of a tensile testing machine. The method makes it possible to compare samples of different products provided their thickness does not differ by more than 10 %.

SIST EN ISO 1133-1:2022 SIST EN ISO 1133-1:2012
2022-09 (po) (en;fr;de) 36 str. (H)
Polimerni materiali - Ugotavljanje masnega (MFR) in prostorninskega pretoka taline (MVR) plastomerov - 1. del: Standardna metoda (ISO 1133-1:2022)
Plastics - Determination of the melt mass-flow rate (MFR) and melt volume-flow rate (MVR) of thermoplastics - Part 1: Standard method (ISO 1133-1:2022)
Osnova: EN ISO 1133-1:2022
ICS: 83.080.20

This document specifies two procedures for the determination of the melt mass-flow rate (MFR) and the melt volume-flow rate (MVR) of thermoplastic materials under specified conditions of temperature and load. Procedure A is a mass-measurement method. Procedure B is a displacement-measurement method. Normally, the test conditions for measurement of melt flow rate are specified in the material standard with a reference to this document. The test conditions normally used for thermoplastics are

listed in Annex A. The MVR is particularly useful when comparing materials of different filler content and when comparing filled with unfilled thermoplastics. The MFR can be determined from MVR measurements, or vice versa, provided the melt density at the test temperature is known. This document is also possibly applicable to thermoplastics for which the rheological behaviour is affected during the measurement by phenomena such as hydrolysis (chain scission), condensation and cross-linking, but only if the effect is limited in extent and only if the repeatability and reproducibility are within an acceptable range. For materials which show significantly affected rheological behaviour during testing, this document is not appropriate. In such cases, ISO 1133-2 applies. NOTE The rates of shear in these methods are much smaller than those used under normal conditions of processing, and therefore it is possible that data obtained by these methods for various thermoplastics will not always correlate with their behaviour during processing. Both methods are used primarily in quality control.

SIST EN ISO 11403-2:2022 SIST EN ISO 11403-2:2014
2022-09 (po) (en;fr;de) 16 str. (D)
Polimerni materiali - Pridobitev in predstavitev primerljivih podatkov, dobljenih pri različnih pogojih - 2. del: Toplotne lastnosti in lastnosti pri predelavi (ISO 11403-2:2022)
Plastics - Acquisition and presentation of comparable multipoint data - Part 2: Thermal and processing properties (ISO 11403-2:2022)
Osnova: EN ISO 11403-2:2022
ICS: 83.080.01

This document specifies test procedures for the acquisition and presentation of multipoint data on the following thermal and processing properties of plastics:
— enthalpy/temperature curve;
— linear-expansion/temperature curve;
— melt shear viscosity.

SIST EN ISO 16396-2:2022 SIST EN ISO 16396-2:2017
2022-09 (po) (en;fr;de) 17 str. (E)
Polimerni materiali - Poliamidni materiali (PA) za oblikovanje in ekstrudiranje - 2. del: Priprava preskušancev in ugotavljanje lastnosti (ISO 16396-2:2022)
Plastics - Polyamide (PA) moulding and extrusion materials - Part 2: Preparation of test specimens and determination of properties (ISO 16396-2:2022)
Osnova: EN ISO 16396-2:2022
ICS: 83.080.20

This document specifies the methods of preparation of test specimens and the test methods to be used in determining the properties of polyamide moulding and extrusion materials. It gives the requirements for handling test material and for conditioning both the test material before moulding and the specimens before testing.
This document specifies procedures and conditions for the preparation of test specimens and procedures for measuring properties of the materials from which these specimens are made are given. It lists the properties and test methods that are suitable and necessary to characterize polyamide moulding and extrusion materials.
The properties have been selected from the general test methods in ISO 10350-1. Other test methods in wide use for, or of particular significance to, these moulding and extrusion materials are also included in this document, as are the designatory properties viscosity number and tensile modulus given in ISO 16396-1.

SIST EN ISO 22007-2:2022 SIST EN ISO 22007-2:2015
2022-09 (po) (en;fr;de) 28 str. (G)
Polimerni materiali - Ugotavljanje toplotne prevodnosti in toplotne razprševalnosti - 2. del: Metoda s tranzientnim ploskovnim toplotnim virom (vroči disk) (ISO 22007-2:2022)
Plastics - Determination of thermal conductivity and thermal diffusivity - Part 2: Transient plane heat source (hot disc) method (ISO 22007-2:2022)
Osnova: EN ISO 22007-2:2022
ICS: 83.080.01

This document specifies a method for the determination of the thermal conductivity and thermal diffusivity, and hence the specific heat capacity per unit volume of plastics. The experimental arrangement can be designed to match different specimen sizes. Measurements can be made in gaseous and vacuum environments at a range of temperatures and pressures. This method gives guidelines for testing homogeneous and isotropic materials, as well as anisotropic materials with a uniaxial structure. The homogeneity of the material extends throughout the specimen and no thermal barriers (except those next to the probe) are present within a range defined by the probing depth(s) (see 3.1). The method is suitable for materials having values of thermal conductivity, λ, in the approximate range 0,010 W·m−1·K−1 < λ < 500 W·m−1·K−1, values of thermal diffusivity, α, in the range 5 × 10−8 m2·s−1 < α < 10−4 m2·s−1, and for temperatures, T, in the approximate range 50 K < T < 1 000 K. NOTE 1 The specific heat capacity per unit volume, C, C = ρ · cp, where ρ is the density and cp is the specific heat per unit mass and at constant pressure, can be obtained by dividing the thermal conductivity, λ, by the thermal diffusivity, α, i.e. C = λ/α, and is in the approximate range 0,005 MJ·m−3·K−1 < C < 5 MJ·m−3·K−1. It is also referred to as the volumetric heat capacity. NOTE 2 If the intention is to determine the thermal resistance or the apparent thermal conductivity in the through-thickness direction of an inhomogeneous product (for instance a fabricated panel) or an inhomogeneous slab of a material, reference is made to ISO 8301, ISO 8302 and ISO 472. The thermal-transport properties of liquids can also be determined, provided care is taken to minimize thermal convection.

SIST/TC ISCB Sekundarne celice in baterije

SIST EN 62133-2:2017/A1:2021/AC:2022
2022-09 (po) (fr) 3 str. (AC)
Sekundarni členi in baterije z alkalnimi ali drugimi nekislinskimi elektroliti - Varnostne zahteve za prenosne zatesnjene sekundarne člene in za baterije, narejene iz njih, za uporabo v prenosnih napravah - 2. del: Litijevi sistemi - Dopolnilo A1- Popravek AC
Secondary cells and batteries containing alkaline or other non-acid electrolytes - Safety requirements for portable sealed secondary cells, and for batteries made from them, for use in portable applications - Part 2: Lithium systems
Osnova: EN 62133-2:2017/A1:2021/AC:2022-01
ICS: 29.220.30

Popravek k standardu SIST EN 62133-2:2017/A1:2021.
This part of IEC 62133 specifies requirements and tests for the safe operation of portable sealed secondary lithium cells and batteries containing non-acid electrolyte, under intended use and reasonably foreseeable misuse.

SIST EN IEC 62619:2022 SIST EN 62619:2018
2022-09 (po) (en) 42 str. (I)
Sekundarni členi in baterije z alkalnimi ali drugimi nekislinskimi elektroliti - Varnostne zahteve za sekundarne litijeve člene in baterije za industrijsko uporabo
Secondary cells and batteries containing alkaline or other non-acid electrolytes - Safety requirements for secondary lithium cells and batteries, for use in industrial applications
Osnova: EN IEC 62619:2022
ICS: 29.220.30

This document specifies requirements and tests for the safe operation of secondary lithium cells and batteries used in industrial applications, including stationary applications.
When there exists an IEC International Standard specifying test conditions and requirements for cells used in special applications and which is in conflict with this document, the former takes precedence (e.g., IEC 62660 series on road vehicles).
The following are some examples of applications that utilize cells and batteries under the scope of this document:
• Stationary applications: telecom, uninterruptible power supplies (UPS), electrical energy storage system, utility switching, emergency power, and similar applications.

• Motive applications: forklift truck, golf cart, automated guided vehicle (AGV), railway vehicles, and marine vehicles, with the exception of road vehicles.
Since this document covers batteries for various industrial applications, it includes those requirements which are common and minimum to the various applications.
Electrical safety is included only as a part of the risk analysis of Clause 8. In regard to details for addressing electrical safety, the end use application standard requirements need to be considered.
This document applies to cells and batteries. If the battery is divided into smaller units, the smaller unit can be tested as the representative of the battery. The manufacturer clearly declares the tested unit. The manufacturer can add functions, which are present in the final battery to the tested unit.
This document addresses first life cells and batteries. Reuse, repurpose, second life use or similar are not taken into consideration by this document.

SIST/TC ISEL Strojni elementi

SIST EN ISO 1:2022 SIST EN ISO 1:2016
2022-09 (po) (en;fr;de) 14 str. (D)
Specifikacije geometrijskih veličin izdelka (GPS) - Standardna referenčna temperatura za specifikacijo geometrijskih in dimenzijskih lastnosti (ISO 1:2022)
Geometrical product specifications (GPS) - Standard reference temperature for the specification of geometrical and dimensional properties (ISO 1:2022)
Osnova: EN ISO 1:2022
ICS: 17.040.40

This document defines the concepts of a reference temperature and the standard reference temperature and specifies the standard reference temperature value for the specification of geometrical and dimensional properties of an object. Some examples of geometrical and dimensional properties include size, location, orientation (including angle), form and surface texture of a workpiece. This document is also applicable to the definition of the measurand used in verification or calibration.

SIST EN ISO 3506-6:2022
2022-09 (po) (en;fr;de) 28 str. (G)
Vezni elementi - Mehanske lastnosti korozijsko odpornih nerjavnih jekel - 6. del: Splošna pravila za izbiro nerjavnih jekel in nikljevih zlitin za pritrdilne elemente (ISO 3506-6:2020)
Fasteners - Mechanical properties of corrosion-resistant stainless steel fasteners - Part 6: General rules for the selection of stainless steels and nickel alloys for fasteners (ISO 3506-6:2020)
Osnova: EN ISO 3506-6:2022
ICS: 77.120.40, 77.140.20, 21.060.01

This document specifies general rules and provides technical information on stainless steels and their properties, which are relevant when using other parts of the ISO 3506 series. It includes specifications for corrosion-resistant stainless steels and nickel alloys, which are suitable for the manufacture of fasteners.
It applies to austenitic, martensitic, ferritic and duplex (austenitic-ferritic) stainless steel grades and nickel alloys for fasteners, and is intended to be used together with the relevant parts of the ISO 3506 series.
Common designations of stainless steels and nickel alloys used for fasteners are given in Annex A.

SIST EN ISO 4014:2022 SIST EN ISO 4014:2011
2022-09 (po) (en;fr;de) 20 str. (E)
Vezni elementi - Vijaki s šestrobo glavo - Razreda izdelave A in B (ISO 4014:2022)
Fasteners - Hexagon head bolts - Product grades A and B (ISO 4014:2022)
Osnova: EN ISO 4014:2022
ICS: 21.060.10

This document specifies the characteristics of hexagon head bolts, in steel and stainless steel, with metric coarse pitch threads M1,6 to M64, and with product grades A and B.

If in certain cases other specifications are requested, property classes and stainless steel grades can be selected from ISO 898-1 or ISO 3506-1, and dimensional options from ISO 888 or ISO 4753.

SIST EN ISO 4015:2022 SIST EN 24015:1996
2022-09 (po) (en;fr;de) 14 str. (D)
Vezni elementi - Vijaki s šestrobo glavo z zmanjšanim steblom (premer stebla ≈ premer navoja) - Razred izdelave B (ISO 4015:2022)
Fasteners - Hexagon head bolts with reduced shank (shank diameter ≈ pitch diameter) - Product grade B (ISO 4015:2022)
Osnova: EN ISO 4015:2022
ICS: 21.060.10

This document specifies the characteristics of hexagon head bolts with reduced shank (shank diameter approximately equal to pitch diameter), in steel and stainless steel, with metric coarse pitch threads M3 to M20, and with product grade B. If in certain cases other specifications are requested, property classes and stainless steel grades can be selected from ISO 898-1 or ISO 3506-1, and dimensional options from ISO 888 or ISO 4753. NOTE For hexagon head bolts with full shank, see ISO 4014.

SIST EN ISO 4016:2022 SIST EN ISO 4016:2011
2022-09 (po) (en;fr;de) 16 str. (D)
Vezni elementi - Vijaki s šestrobo glavo - Razred izdelave C (ISO 4016:2022)
Fasteners - Hexagon head bolts - Product grade C (ISO 4016:2022)
Osnova: EN ISO 4016:2022
ICS: 21.060.10

This document specifies the characteristics of hexagon head bolts, in steel, with metric coarse pitch threads M5 to M64, and with product grade C.
If in certain cases other specifications are requested, property classes can be selected from ISO 898-1 and dimensional options from ISO 888 or ISO 4753.

SIST EN ISO 4017:2022 SIST EN ISO 4017:2014
2022-09 (po) (en;fr;de) 18 str. (E)
Vezni elementi - Vijaki s šestrobo glavo z navojem do glave - Razreda izdelave A in B (ISO 4017:2022)
Fasteners - Hexagon head screws - Product grades A and B (ISO 4017:2022)
Osnova: EN ISO 4017:2022
ICS: 21.060.10

This document specifies the characteristics of hexagon head screws, in steel and stainless steel, with metric coarse pitch threads M1,6 to M64, and with product grades A and B.
If in certain cases other specifications are requested, property classes and stainless steel grades can be selected from ISO 898-1 or ISO 3506-1, and dimensional options from ISO 888 or ISO 4753.

SIST EN ISO 4018:2022 SIST EN ISO 4018:2011
2022-09 (po) (en;fr;de) 15 str. (D)
Vezni elementi - Vijaki s šestrobo glavo z navojem do glave - Razred izdelave C (ISO 4018:2022)
Fasteners - Hexagon head screws - Product grade C (ISO 4018:2022)
Osnova: EN ISO 4018:2022
ICS: 21.060.10

This document specifies the characteristics of hexagon head screws, in steel, with metric coarse pitch threads M5 to M64, and with product grade C.
If in certain cases other specifications are requested, property classes can be selected from ISO 898-1, and dimensional options from ISO 888 or ISO 4753.

SIST EN ISO 4042:2022 SIST EN ISO 4042:2018
2022-09 (po) (en;fr;de) 66 str. (K)
Vezni elementi - Sistemi galvanskih prevlek veznih elementov (ISO 4042:2022)
Fasteners - Electroplated coating systems (ISO 4042:2022)
Osnova: EN ISO 4042:2022
ICS: 25.220.40, 21.060.01

This document specifies requirements for steel fasteners with electroplated coatings and coating systems. The requirements related to dimensional properties also apply to fasteners made of copper or copper alloys. It also specifies requirements and gives recommendations to minimize the risk of hydrogen embrittlement, see 4.4 and Annex B. It mainly applies to fasteners with zinc and zinc alloy coating systems (zinc, zinc-nickel, zinc-iron) and cadmium, primarily intended for corrosion protection and other functional properties: — with or without conversion coating, — with or without sealant, — with or without top coat, — with or without lubricant (integral lubricant and/or subsequently added lubricant). Specifications for other electroplated coatings and coating systems (tin, tin-zinc, copper-tin, coppersilver, copper, silver, copper-zinc, nickel, nickel-chromium, copper-nickel, copper-nickel-chromium) are included in this document only for dimensional requirements related to fasteners with ISO metric threads. The requirements of this document for electroplated fasteners take precedence over other documents dealing with electroplating. This document applies to steel bolts, screws, studs and nuts with ISO metric thread, to other threaded fasteners and to non-threaded fasteners such as washers, pins, clips and rivets. NOTE Electroplating is also applied to stainless steel fasteners, e.g. for the purpose of lubrication in order to avoid galling. Information for design and assembly of coated fasteners is given in Annex A. This document does not specify requirements for properties such as weldability or paintability

SIST EN ISO 8676:2022 SIST EN ISO 8676:2012
2022-09 (po) (en;fr;de) 18 str. (E)
Vezni elementi - Vijaki s šestrobo glavo z navojem do glave in drobnim navojem - Razreda izdelave A in B (ISO 8676:2022)
Fasteners - Hexagon head screws, with fine pitch thread - Product grades A and B (ISO 8676:2022)
Osnova: EN ISO 8676:2022
ICS: 21.040.10, 21.060.10

This document specifies the characteristics of hexagon head screws, in steel and stainless steel, with metric fine pitch threads M8×1 to M64×4, and with product grades A and B.
If in certain cases other specifications are requested, property classes and stainless steel grades can be selected from ISO 898-1 or ISO 3506-1, and dimensional options from ISO 888 or ISO 4753.

SIST EN ISO 8765:2022 SIST EN ISO 8765:2012
2022-09 (po) (en;fr;de) 18 str. (E)
Vezni elementi - Vijaki s šestrobo glavo z drobnim navojem - Razreda izdelave A in B (ISO 8765:2022)
Fasteners - Hexagon head bolts, with fine pitch thread - Product grades A and B (ISO 8765:2022)
Osnova: EN ISO 8765:2022
ICS: 21.040.10, 21.060.10

This document specifies the characteristics of hexagon head bolts, in steel and stainless steel, with metric fine pitch threads M8×1 to M64×4, and with product grades A and B.
If in certain cases other specifications are requested, property classes and stainless steel grades can be selected from ISO 898-1 or ISO 3506-1, and dimensional options from ISO 888 or ISO 4753.

SIST/TC ISS SPL.GPO Gradnja stavb

SIST-TS CEN/TS 14383-6:2022
2022-09 (po) (en;fr;de) 43 str. (I)
Preprečevanje kriminala - Urbanistično planiranje in projektiranje stavb - 6. del: Šole in izobraževalne ustanove
Prevention of crime - Urban planning and building design - Part 6: Schools and educational institutions
Osnova: CEN/TS 14383-6:2022
ICS: 03.180, 13.310

This document contains general principles, recommendations, and best practices for architects, police, city administrations, teachers and trainers.
It applies for schools as a building or collection of buildings located on one or more sites and used for the purposes of full and part time education of pupils between the ages of 2 and 19 and other community uses .The scope of this document does not extend to universities or other tertiary colleges. This document provides assistance for the risk analysis, design guidance and specification requirements for reducing the risks for crime against people and property in all schools and school grounds such as; burglary, criminal damage, theft, arson, vehicle crime and assault.
The same advice is also intended to reduce the fear of crime and the incidence of anti-social behavior. Consideration is given to both environmental design and physical security.

SIST/TC ISTP Stavbno pohištvo

SIST EN 13126-16:2019/AC:2022
2022-09 (po) (en;fr;de) 2 str. (AC)
Stavbno okovje - Okovje za okna in zastekljena vrata - Zahteve in preskusne metode - 16. del: Okovje za dvižno-drsna okna in vrata - Popravek AC
Building hardware - Hardware for windows and door height windows - Requirements and test methods - Part 16: Hardware for Lift and Slide windows
Osnova: EN 13126-16:2019/AC:2022
ICS: 91.190

Popravek k standardu SIST EN 13126-16:2019.
This part of EN 13126 specifies requirements and test methods for durability, strength, security and function of hardware for Lift and Slide windows and door height windows in accordance with common application as shown in informative Annex C, regardless of whether the hardware enables an additional tilt position.

SIST-TS CEN/TS 17814:2022
2022-09 (po) (en;fr;de) 10 str. (C)
Ključavnice in stavbno okovje - Zaščita podatkov sistema glavnega ključa - Navodila
Building hardware - Master Key System data protection - Guidance
Osnova: CEN/TS 17814:2022
ICS: 91.190

This document specifies requirements and procedures to achieve and maintain protection of data and sensitive information related to mechanical Master Key Systems and other mechanical key systems where customer or application related data are being processed throughout the process of planning, production, installation, and maintenance.
The requirements and test methods for mechanical cylinder locks is covered by EN 1303.
Reference is made to EN 1303 and Annexes relating to Master Key Systems (MKS).
Requirements relating to the information security of key based and non-key based electronic cylinders are not covered.

SIST/TC ITC Informacijska tehnologija

SIST EN 17529:2022
2022-09 (po) (en;fr;de) 62 str. (K)
Varstvo podatkov in zasebnosti z načrtovanjem in kot privzeto
Data protection and privacy by design and by default
Osnova: EN 17529:2022
ICS: 35.030

This document provides requirements for manufacturers and/or service providers to implement Data protection and Privacy by Design and by Default (DPbDD) early in their development of their products and services, i.e. before (or independently of) any specific application integration, to make sure that they are as privacy ready as possible. The document will be applicable to all business sectors, including the security industry.

SIST EN ISO/IEC 24760-1:2022
2022-09 (po) (en;fr;de) 32 str. (G)
Varnost in zasebnost IT - Okvir za upravljanje identitete - 1. del: Terminologija in koncepti (ISO/IEC 24760-1:2019)
IT Security and Privacy - A framework for identity management - Part 1: Terminology and concepts (ISO/IEC 24760-1:2019)
Osnova: EN ISO/IEC 24760-1:2022
ICS: 35.030

ISO/IEC 24760-1:2019 defines terms for identity management, and •specifies core concepts of identity and identity management and their relationships.
It is applicable to any information system that processes identity information.
A bibliography of documents describing various aspects of identity information management is provided.

SIST-TP CEN/TR 17859:2022
2022-09 (po) (en;fr;de) 45 str. (I)
Jezik za storitve modeliranja
Service Modelling Language
Osnova: CEN/TR 17859:2022
ICS: 35.060

This specification defines constructs for a Service Modelling Language (SML) for Virtual Manufacturing Enterprises (VMEs). There is no language standard in ISO or CEN for the modelling of service systems. Existing service modelling languages mainly focus on IT–related services or web services. Most existing enterprise modelling languages have some relevance for services for a VME and can be reused to model part of a service system in this context. However the concepts of those modelling languages need to be integrated and mapped one to another in order to cover the whole modelling requirements for service system engineering.
A standardized Service Modelling Language (SML) and its associated meta-model is seen as an important issue to avoid costly and fragmented development in this domain. SML is focusing on modelling of manufacturing services that a company can develop to support its products. Compared to ISO 19440-2, SML employs less constructs and a simpler structure. The SML can be considered a specialization of the more general modelling language proposed in ISO 19440-2 .
The modelling constructs of this Technical Specification are complementary to those constructs and support the design and implementation of future enterprise systems providing extended products (products + services) to the market.
This Technical Specification specifies:
a) a Model Driven Service Engineering Architecture (MDSEA),
b) a set of constructs for a Service Modelling Language for (Virtual) Manufacturing Enterprises developed under MDSEA.

Five annexes are provided addressing the basics concepts of service modelling, service modelling languages, tools and MDSEA and industrial pilots to validate the SML, Annex D and Annex E.
The MDSEA architecture is derived from MDA [1] and MDI [2] with necessary adaptation and extension to cover the modelling of service (and its system) in its most general forms.
The modelling language addressed in this Technical Specification is specified only at the Business Service Modelling (BSM) level of MDSEA. This specification applies to manufacturing enterprises but can also apply to other classes of enterprises. It is intended for use by system engineers, IT and research specialists who are concerned with developing and deploying product related services in VMEs and Ecosystems.
The constructs specified in this document are also intended to be used by those business users who are making decisions based on business rather than technical concerns. For this reason, many of the details are simplified or omitted compared to their equivalents (where they exist) in IS 19440:2.
The main added value of the proposed SML will be threefold:
i) Identification of the language constructs needed to define services needed by the business user.
ii) Integration of existing modelling languages constructs into one coherent meta-model.
iii) Definition of an MDSEA framework based on MDI/MDA to host the language and offer methods of model transformation between the modelling levels.

SIST-TS CEN/TS 16157-12:2022
2022-09 (po) (en;fr;de) 154 str. (P)
Inteligentni transportni sistemi - Specifikacije za izmenjavo podatkov DATEX II pri upravljanju prometa in informiranju - 12. del: Publikacije v zvezi z objekti
Intelligent transport systems - DATEX II data exchange specifications for traffic management and information - Part 12: Facility related publications
Osnova: CEN/TS 16157-12:2022
ICS: 35.240.60

This new workitem will publish the 12th part of the DATEX II Technical Specifications which defines a new DATEX II namespace “FacilityRelated” and sub-models on the following facility related topics:
• Dimensions
• Equipment or service facilities
• Operating hours
• Organisations
• Tariffs and Payment
These sub-models can be directly accessed and used by other namespaces resp. other parts of the DATEX standard series, as for example by the energy infrastructure publication or the parking publications. By providing a couple of Publications within this new Part 12 (for example OperatingHoursPublication), it is also possible to specify and publish stand-alone information on the abovementioned topics and just doing a reference on this data elsewhere.

SIST-TS CEN/TS 16157-6:2022 SIST-TS CEN/TS 16157-6:2016
2022-09 (po) (en;fr;de) 197 str. (R)
Inteligentni transportni sistemi - Specifikacije za izmenjavo podatkov DATEX II pri upravljanju prometa in informiranju - 6. del: Objave parkirišč
Intelligent transport systems - DATEX II data exchange specifications for traffic management and information - Part 6: Parking publications
Osnova: CEN/TS 16157-6:2022
ICS: 35.240.60

This new work item will revise and extend the sixth part of the DATEX II Technical Specifications which defines three DATEX II parking-related publications and a truck parking profile and that supports the exchange of static as well as dynamic information about parking facilities and areas, including intelligent truck parking as defined by the Directive 2010/40/EU priority action e as well as urban parking as specified in action a.
The formerly used Level B extension will be replaced by a new namespace in the context of version 3.0 of DATEX II.
The publications are intended to support the exchange of informational content from the organisation performing measurements and collecting/eliciting basic data to other organisations providing ITS

services or onward information exchange. It is the ambition to harmonise existing information models from different sources such as EasyWay deployment guidelines and truck parking initiatives, and to liaise with the stakeholders involved, especially with the Alliance for Parking Data Standards and CEN/TC 278 working group 3.

SIST-TS CEN/TS 16614-5:2022
2022-09 (po) (en;fr;de) 511 str. (2C)
Javni prevoz - Izmenjava omrežnih in voznorednih podatkov (NeTEx) - 5. del: Izmenjavni format za alternativne načine
Public transport - Network and timetable exchange (NeTEx) - Part 5: Alternative modes exchange format
Osnova: CEN/TS 16614-5:2022
ICS: 35.240.60

1.1 General
NeTEx is dedicated to the exchange of scheduled data (network, timetable and fare information). It is based on Transmodel European reference model for PT data. The most recent version of NeTEx v1.1 is based on the most recent version of Transmodel, V6.0 (EN 12986 1/2/3/4/5/6), which now incorporates the prior IFOPT (EN 28701). NeTEx also relates to SIRI (CEN 15531-1/2/3/4) and supports the exchange of information of relevance for passenger information about public transport services and also for running Automated Vehicle Monitoring Systems (AVMS).
NOTE NeTEx is an implementation of a subset of Transmodel (including IFOPT); the definitions and explanations of its concepts are extracted directly from Transmodel and reused in NeTEx, sometimes with adaptations in order to fit the NeTEx context. Although the data exchanges targeted by NeTEx Parts 1 to 5 are predominantly oriented towards provisioning passenger information systems, AVMS and fare systems with data from transit scheduling systems, it is not restricted to this purpose and NeTEx can also provide an effective solution to many other use cases for transport data exchange.
1.2 Alternative Modes Scope
This Part 5 of NeTEx is specifically concerned with the exchange of reference data to support “new” alternative modes for mobility services, adding certain new concepts to the NeTEx schema (indicated as NeTEx v1.2.2), but also to a high degree making use of existing schema elements defined in NeTEx Parts 1, 2 and 3.
The high-level design for alternative modes support is derived from a conceptual model for alternative modes CEN PT1711 (CEN/TS 17413:2020) prepared by CEN working group TC278 WG17. This CEN Technical Specification describes a conceptual model for alternative modes as an extension to Transmodel V6.0 and based on a detailed set of use cases taken from CEN PT1711 and given in Appendix A.
The NeTEx format is concerned with a subset of the use cases for reference data (real-time use cases are covered by dynamic protocols such as SIRI and DATEX II). Overall, it is concerned with data for the following purposes:
- to be able to integrate legs made on alternative modes with conventional mode legs in seamless trip plans;
- to describe the coverage areas of alternative mode mobility services so that trip planning engines and others can make passengers aware of the possibility of using them, and provide appropriate links to invoke the dynamic services;
- to be able to find the locations of access points for alternative mode services, such as parking points, pooling stations, etc. including their relation to access points for conventional modes;
- to be able to indicate the costs of the mobility services for specific trip legs. Where operators offer a bundle of modes services (for example free cycle use with metro use) to be able to include the “fare product” for alternative mode legs in the sales offer;
- to be able to indicate how to book, purchase and pay for mobility services, and how to access them.
NeTEx is primarily concerned with the exchange of reference data to allow the integration of new modes with other data; it does not describe dynamic services. The PT1711 specification indicates the nature of some of these services such as trip planning.
1.3 Transport modes

All mass public transport modes are taken into account by NeTEx, including train, bus, coach, metro, tramway, ferry, air, and their submodes. Such modes are provided by transport operators, who may operate one or more modes.
NeTEx part 5 widens the concept of an operator to include providers of other forms of transport, and introduces the separate concept of a “mode of operation” to classify the way services are provided: conventional, flexible, pooling, sharing, etc.

SIST/TC ITEK Tekstil in tekstilni izdelki

SIST EN 17667:2022
2022-09 (po) (en;fr;de) 15 str. (D)
Preskusna metoda - Določanje toplotne odpornosti polnjenih tekstilnih izdelkov in podobnih izdelkov z uporabo majhnih varovalnih aparatov
Test method - Determination of thermal resistance of filled textile articles and similar items using small guarded hotplate apparatus
Osnova: EN 17667:2022
ICS: 97.200.30, 97.190, 97.160

This method of test described a means of determining the thermal resistance of textile assemblies with a non-uniform thickness and child sleep bags and cot duvets. The test method is suitable for products with a thermal resistance within the range 0.25 tog (0.025 m².K/W) to 5.0 tog (0.5 m².K/W).

SIST EN ISO 11638:2022 SIST EN 651:2011
2022-09 (po) (en;fr;de) 17 str. (E)
Netekstilne talne obloge - Heterogene polivinilkloridne talne obloge na peni - Specifikacija (ISO 11638:2020, vključno s popravljeno različico 2021-09)
Resilient floor coverings - Heterogeneous poly(vinyl chloride) flooring on foam - Specification (ISO 11638:2020, including corrected version 2021-09)
Osnova: EN ISO 11638:2022
ICS: 97.150

This document specifies the characteristics of heterogeneous poly(vinyl chloride) flooring on foam, based on poly(vinyl chloride), and supplied in roll form or tile and plank. Such products can contain a transparent, non PVC factory finish.
To encourage the consumer to make an informed choice, this document includes a classification system, based on intensity of use, which shows where these floor coverings can be expected to give satisfactory service.
It also specifies requirements for marking.

SIST EN ISO 24584:2022
2022-09 (po) (de) 20 str. €
Tekstilije – Pametne tekstilije – Metoda preskušanja odpornosti prevodnega tekstila z brezkontaktnim tipom (ISO 24584:2022)
Textiles – Smart textiles – Test method for sheet resistance of conductive textiles using non-contact type (ISO 24584:2022)
Osnova: EN ISO 24584:2022
ICS: 59.080.80

This document describes the measurement for the determination of the sheet resistance of conductive textile structures or conductive structures by using eddy current technology in reflection mode setup/ arrangement. It is applicable to conductive textile structures or conductive structures intended for application in/to textiles in the form of sheets (woven fabric, knitted fabric, nonwoven, coated fabric) where the area is formed by intersecting surfaces having conductive textile material. It is also applicable to multilayer structures containing both insulating and conductive layers.

SIST-TP CEN/TR 17849:2022
2022-09 (po) (en;fr;de) 13 str. (D)
Netekstilne, tekstilne, laminirane in modularno mehansko spojene talne obloge – Smernice za izvajanje standarda EN 14041:2004/AC:2006 v skladu z Uredbo o gradbenih proizvodih EU 305/2011 (CPR)
Resilient, textile, laminate and modular mechanical locked floor coverings – Guidance on how to implement EN 14041:2004/AC:2006 under the Construction Products Regulation EU 305/2011 (CPR)
Osnova: CEN/TR 17849:2022
ICS: 97.150

This document concerns floor covering products falling under the scope of EN 14041 as well as mandate M/119 and M/119 rev.1. Such products are considered construction products for indoor use. Excluded are products which are loose laid (barrier)mats, runners and rugs, as well as products which might be covered by other harmonized standards, such as indoor sports flooring, or other legislation such as flooring in public transport.
The purpose of this document is to provide guidance on how to deal with the situation that
a) the version EN 14041:2004/AC:2006 has to be used for placing CEN TC134 products onto the European market, even though it
1) was developed under the no longer applicable "Council Directive 89/106/EEC on the approximation of laws, regulations and administrative provisions of the Member States relating to construction products (CPD)",
and
2) has been withdrawn and replaced by EN 14041:2018 in the current CEN catalogue;
and
b) the more recent version EN 14041:2018 cannot be used for placing CEN TC134 products onto the European market, even though it
1) was developed under the currently applicable legislation, "Regulation (EU) No 305/2011 laying down 31armonized conditions for the marketing of construction products (CPR)"
2) is the active version of the standard in the current CEN catalogue.
The focus will be on an overview of the resources available from the European commission for CE marking and placing products onto the European market as well as how to implement EN 14041:2004/AC:2006 under the current European legislation pointing out sections which are no longer valid.

SIST/TC ITIV Tiskana vezja in ravnanje z okoljem

SIST EN IEC 61189-2-501:2022
2022-09 (po) (en) 18 str. (E)
Preskusne metode za električne materiale, tiskana vezja in druge povezovalne strukture in sestave - 2-501. del: Preskusne metode za materiale, namenjene za medvezalne strukture - Merjenje elastične trdnosti in faktor zadrževanja elastične trdnosti upogljivih dielektričnih materialov
Test methods for electrical materials, printed board and other interconnection structures and assemblies - Part 2-501: Test methods for materials for interconnection structures - Measurement of Resilience strength and Resilience strength Retention Factor of Flexible Dielectric Materials
Osnova: EN IEC 61189-2-501:2022
ICS: 31.190, 31.180

This part of IEC 61189 establishes a method suitable for testing the softness of FCCL (Flexible Copper Clad Laminate) products and related materials. This method determines the resilience under specified conditions. The test is performed on the sample as manufactured and without conditioning. The test does not apply to the resilience force lower than 10 mN.

SIST/TC IUSN Usnje

SIST EN 13336:2022 SIST EN 13336:2013
2022-09 (po) (en) 8 str. (B)
Usnje - Značilnosti usnja za oblazinjenje - Vodilo za izbiro usnja za pohištvo
Leather - Upholstery leather characteristics - Guide for selection of leather for furniture
Osnova: EN 13336:2022
ICS: 59.140.30, 97.140

This European Standard gives guidelines for the test methods and recommended values for upholstery leather for furniture.
This European Standard also specifies the sampling and conditioning procedures of specimens. Furs, hair-on leathers and wool-on leathers are not covered by this standard.

SIST EN 16223-1:2022 SIST EN 16223:2013
2022-09 (po) (en) 7 str. (B)
Usnje - Zahteve za označevanje in opisovanje usnja za oblazinjenje in avtomobilsko notranjo opremo - 1. del: Uporaba za oblazinjenje
Leather - Requirements for the designation and description of leather in upholstery and automotive interior applications - Part 1: Upholstery applications
Osnova: EN 16223-1:2022
ICS: 97.140, 59.140.30

This European Standard specifies requirements for the designations and descriptions that should be used in public or commercial communications, labels or product descriptions when leather is used in upholstered furniture application.
The designation or description of leather in footwear, leather goods and leather clothing including gloves are not covered by this document.

SIST EN 16223-2:2022 SIST EN 16223:2013
2022-09 (po) (en) 8 str. (B)
Usnje - Zahteve za označevanje in opisovanje usnja za oblazinjenje in avtomobilsko notranjo opremo - 2. del: Avtomobilska notranja oprema
Leather - Requirements for the designation and description of leather in upholstery and automotive interior applications - Part 2: Automotive interior applications
Osnova: EN 16223-2:2022
ICS: 43.020, 59.140.30

This European Standard specifies requirements for the designations and descriptions that should be used in public or commercial communications, labels or product descriptions when leather is used in upholstered furniture and automotive interior applications.
The designation or description of leather in footwear, leather goods and leather clothing including gloves are not covered by this document.

SIST EN 17651:2022
2022-09 (po) (en) 8 str. (B)
Usnje - Opis, etiketiranje in označevanje usnjenih izdelkov
Leather - Description, labelling and marking of leather goods
Osnova: EN 17651:2022
ICS: 59.140.35

This document sets the requirements for the description, labelling and marking of leather in leather goods. This document defines the information to be included on descriptions, labels and markings for leather goods intended for sale to the final consumer.

SIST EN ISO 15701:2022 SIST EN ISO 15701:2015
2022-09 (po) (en;fr;de) 13 str. (D)
Usnje - Preskušanje obstojnosti barve - Obstojnost barve proti migraciji v polimernem materialu (ISO 15701:2022)
Leather - Tests for colour fastness - Colour fastness to migration into polymeric material (ISO 15701:2022)
Osnova: EN ISO 15701:2022
ICS: 59.140.30

This document specifies a method for assessing the propensity of dyes and pigments to migrate from leather to a synthetic substrate by determining the transfer of colour from the leather to white polymeric material in contact with it. This method is applicable to leather of all kinds at any stage of processing.

SIST/TC IŽNP Železniške naprave

SIST EN 13481-2:2022 SIST EN 13481-2:2012+A1:2017
2022-09 (po) (en;fr;de) 19 str. (E)
Železniške naprave - Zgornji ustroj proge - Zahteve za izdelavo pritrdilnih sistemov - 2. del: Pritrdilni sistemi za betonske prage v tirni gredi
Railway Applications - Track - Performance Requirements for Fastening Systems - Part 2: Fastening systems for concrete sleepers in ballast
Osnova: EN 13481-2:2022
ICS: 93.100

This European Standard is applicable to fastening systems in Categories A–E as specified in EN 13481-1:2012, 3.1, for use on concrete sleepers in ballasted track with maximum axle loads, and minimum curve radii as shown in Table 1.
Table 1 — Fastening category criteria

Category	Maximum design axle load (kN)	Minimum curve radius (m)
A	130	40
B	180	80
C	260	150
D	260	400
E	350	150

NOTE The maximum axle load for Categories A and B does not apply to maintenance vehicles.
The requirements apply to:
- fastening systems which act on the foot and/or web of the rail including direct fastening systems and indirect fastening systems;
- fastening systems with dynamic stiffness, kLFA, not less than 50 MN/m;
- fastening systems for rail sections included in EN 13674-1 (excluding 49E4) or EN 13674-4.
This standard is not applicable to fastening systems for other rail sections, rigid fastening systems or special fastening systems used at bolted joints or glued joints.
This standard should only be used for type approval of complete fastening systems.

SIST EN 13481-3:2022 SIST EN 13481-3:2012
2022-09 (po) (en;fr;de) 20 str. (E)
Železniške naprave - Zgornji ustroj proge - Zahteve za izdelavo pritrdilnih sistemov - 3. del: Pritrdilni sistemi za lesene in polimerne kompozitne prage
Railway Applications - Track - Performance Requirements for Fastening Systems - Part 3: Fastening Systems for wood and polymeric composite sleepers
Osnova: EN 13481-3:2022
ICS: 93.100

This European Standard is applicable to fastening systems in Categories A–C and E as specified in EN 13481-1:2012, 3.1, for use on wood or polymer sleepers in ballasted track with maximum axle loads, and minimum curve radii as shown in Table 1.

Table 1 — Fastening category criteria

Category	Max design axle load kN	Min curve radius m
A	130	40
B	180	80
C	260	150
D	260	400
E	350	150

NOTE The maximum axle load for Categories A and B does not apply to maintenance vehicles.
The requirements apply to:
- fastening systems which act on the foot and/or web of the rail including direct fastening systems and indirect fastening systems;
- fastening systems for rail sections included in EN 13674-1 (excluding 49E4) or EN 13674-4.
This standard is not applicable to fastening systems for other rail sections, rigid fastening systems or special fastening systems used at bolted joints or glued joints.
This standard should only be used for type approval of complete fastening systems.

SIST EN 13481-4:2022 SIST EN 13481-4:2012
2022-09 (po) (en;fr;de) 20 str. (E)
Železniške naprave - Zgornji ustroj proge - Zahteve za izdelavo pritrdilnih sistemov - 4. del: Pritrdilni sistemi za jeklene prage v tirni gredi
Railway applications - Track - Performance requirements for fastening systems - Part 4: Fastening systems for steel sleepers in ballast
Osnova: EN 13481-4:2022
ICS: 93.100

This European Standard is applicable to fastening systems in Categories A–C and E as specified in EN 13481-1:2012, 3.1, for use on steel sleepers in ballasted track with maximum axle loads, and minimum curve radii as shown in Table 1.
Table 1 - Fastening category criteria

Category	Max design axle load kN	Min curve radius m
A	130	40
B	180	80
C	260	150
D	260	400
E	350	150

NOTE The maximum axle load for categories A and B does not apply to maintenance vehicles.
The requirements apply to:
- fastening systems which act on the foot and/or web of the rail including direct fastening systems and indirect fastening systems;
- fastening systems for rail sections included in EN 13674-1 (excluding 49E4) or EN 13674-4.
This standard is not applicable to fastening systems for other rail sections, rigid fastening systems or special fastening systems used at bolted joints or glued joints.
This standard should only be used for type approval of complete fastening systems.

SIST EN 13481-5:2022 SIST EN 13481-5:2012+A1:2017
2022-09 (po) (en;fr;de) 19 str. (E)
Železniške naprave - Zgornji ustroj proge - Zahteve za izdelavo pritrdilnih sistemov - 5. del: Pritrdilni sistemi za progo z utrjenimi tirnicami
Railway Applications - Track - Performance requirements for fastening systems - Part 5: Fastening systems for ballastless track
Osnova: EN 13481-5:2022
ICS: 93.100

This European Standard is applicable to fastening systems, in categories A –D as specified in EN 13481 1:2012, 3.1 for attaching rails to the uppermost surface of concrete or steel elements in ballastless

tracks, including tracks on open deck bridges, and for embedded rails in ballastless tracks, for respective maximum axle loads and minimum curve radii in accordance with Table 1.
Table 1 - Fastening category criteria

Category	Max design axle load kN	Min curve radius m
A	130	40
B	180	80
C	260	150
D	260	400

NOTE The maximum axle load for Categories A and B does not apply to maintenance vehicles.
NOTE The maximum axle load for Categories A and B does not apply to maintenance vehicles.
The requirements apply to:
- fastening systems which act on the foot and/or web of the rail including direct fastening systems and indirect fastening systems;
- fastening systems for rail sections included in EN13674-1 (excluding 49E4) or EN13674-4
This standard is not applicable to
- fastening systems for other rail sections
- fastening systems for use on wood or polymer composite sleepers used in ballastless track, performance requirements for which are included in EN13481-3
- rigid fastening systems
This standard is not applicable to fastening systems for other rail sections, rigid fastening systems, special fastening systems used at bolted joints or glued joints or special low clamping force fastenings used to mitigate track-bridge interaction effects.
This standard is for type approval of complete fastening systems. In track forms in which there are rail seat blocks or sleepers mounted in “boots” the concrete element and its resilient support are considered to be parts of the elastic fastening system. If the track form includes floating slabs, (i.e. resiliently supported concrete elements with more than one fastening per rail) those concrete elements and their resilient supports are considered to be parts of the ballastless track and not of the fastening system.

SIST EN 13481-7:2022 SIST EN 13481-7:2012
2022-09 (po) (en;fr;de) 25 str. (F)
Železniške naprave - Zgornji ustroj proge - Zahteve za izdelavo pritrdilnih sistemov - 7. del: Pritrdilni sistemi za kretnice in križišča, vodilne tirnice, izolirane spoje tirnic in naprave za razširitev tirnic
Railway Applications - Track - Performance requirements for fastening systems - Part 7: Fastening systems for switches and crossings, check rails, insulated rail joints and rail expansion devices
Osnova: EN 13481-7:2022
ICS: 93.100

This European Standard specifies performance requirements for special fastening systems, in categories A - E as specified in EN 13481-1:2012, 3.1, for switches and crossings and check rails. These types of rails are those which are secured within the overall fastening system (not independently fixed to the bearers) on wood, concrete and steel bearers, in ballasted track and on slab track, and which have maximum axle loads and minimum curve radii in divergent track in accordance with Table 1. Table 1 - Fastening category criteria

Category	Maximum design axle load kN	Minimum curve radius m
A	130	40
B	180	80
C	260	150
D	260	400
E	350	150

NOTE The maximum axle load for Categories A and B does not apply to maintenance vehicles.
The requirements apply to fastening systems for rail sections included in the EN13674 series of standards (excluding 49E4).
This standard is not applicable to fastening systems for other rail sections or rigid fastening systems used on running rails.
This standard is for type approval of complete fastening systems.

SIST EN 14067-6:2018+A1:2022 SIST EN 14067-6:2018
SIST EN 14067-6:2018/kFprA1:2022

2022-09 (po) (en;fr;de) 140 str. (O)

Železniške naprave - Aerodinamika - 6. del: Zahteve in preskusni postopki za oceno vpliva bočnega vetra

Railway applications - Aerodynamics - Part 6: Requirements and test procedures for cross wind assessment

Osnova: EN 14067-6:2018+A1:2022
ICS: 45.060.01

This document gives guidelines for the cross wind assessment of railways.
This document is applicable to all passenger vehicles, locomotives and power cars (with a maximum train speed above 140 km/h up to 360 km/h) and freight wagons (with a maximum train speed above 80 km/h up to 160 km/h) and track gauges from 1 435 mm to 1 668 mm inclusive. For passenger vehicles, locomotives and power cars with a maximum train speed between 250 km/h and 360 km/h, a requirement to demonstrate the cross wind stability is imposed. This document is not applicable to light rail and urban rail vehicles.

SIST EN 17460:2022

2022-09 (po) (en;fr;de) 99 str. (M)

Železniške naprave - Lepilno spajanje za železniška vozila in njihove komponente

Railway applications - Adhesive bonding of rail vehicles and their components

Osnova: EN 17460:2022
ICS: 83.180, 45.060.01

This document defines the general terms and basic requests for adhesive bonding and sealing work as well as the requirements placed on adhesive users (hereafter called user-companies) and represents the state of the art for organizing adhesive bonding and sealing processes in the railway industry.
This document applies for adhesive bonding and sealing adherends for:
- the development of rail vehicles and its components (pre-production),
- production of rail vehicles and its components (in-production),
- the maintenance incl. repair of rail vehicles and its components (post-production), and
- the quality assurance of production, inspection, maintenance incl. repair of rail vehicles and its components.

This document is valid for every adhesively bonded joint in railway vehicles and its components independent of the material of the adherend. It is also valid for all kinds of adhesives independent of their solidification mechanism, their strength and their deformation properties.
This document is not valid for:
- screw retention by the usage of adhesives, if a pure screw assembly of the same design is sufficient for the purpose,
- hybrid joints, if the expected function is given exclusively by another joining technology e.g., welding, screwing, riveting,
- production of vulcanizates which do not lead to adhesively bonded joints,
- production of plywood,
- production of fibre reinforced plastic composites (FRP-composites),
- production of laminated sheet glass (LSG),
- pure encapsulating of electronic parts, and
- single-sided adhesive decorative films.

SIST-TP CEN/TR 17833:2022
2022-09 (po) (en;fr;de) 20 str. (E)
Železniške naprave - Navodilo za uporabo simulacij - Navodilo o uporabi simulacij za dokazovanje skladnosti s tehničnimi in regulativnimi zahtevami ter o vnašanju in razvoju simulacijskih zahtev v standarde
Railway applications - Guidance for the use of simulations - Guidance for the use of simulations to demonstrate compliance with technical and regulatory requirements and on the introduction and development of simulation requirements into standards
Osnova: CEN/TR 17833:2022
ICS: 45.020, 01.120

The aim of this document is to help CEN/CENELEC Working Group convenors and experts to promote/develop simulation in their standards as an alternative to physical tests on the real system for proving conformity. It can also provide useful guidance to assessors in the railway sector in approving simulations where they are not yet specifically defined or where physical tests on the real system are not defined in standards. Consequently, this document is also relevant to companies developing and applying simulations with the intention to achieve their acceptance for the purpose of system validation. It is not intended to provide technical guidance on applying simulations in general.
Where simulations are already introduced in existing standards, this guide is not intended to modify the specified requirements. However, technical harmonisation between standards might benefit from this guide for the introduction of additional alternative methods for simulations.
This document principally covers:
• Numerical simulation, using complex methods or using simple spreadsheets methods
• Hardware and software in the loop
• Mathematical models solved using numerical methods or iteration, including spreadsheets.
It does not cover the following, although the general principles outlined can be applied to these methods:
• Laboratory tests of components
• Fatigue rig tests
• Model scale tests
• Mathematical models solved analytically.
NOTE: Due to the limited experience in the railway sector in the application of data-based (as opposed to model-based) simulations, for example using artificial intelligence (AI), neural networks, big data, etc., this approach is not further developed at this stage in this document.

SIST/TC KAV Kakovost vode

SIST EN ISO 13163:2022 SIST EN ISO 13163:2019
SIST ISO 13163:2013
2022-09 (po) (en;fr;de) 30 str. (G)
Kakovost vode - Svinec Pb-210 - Preskusna metoda s štetjem s tekočinskim scintilatorjem (ISO 13163:2021)
Water quality - Lead-210 - Test method using liquid scintillation counting (ISO 13163:2021)
Osnova: EN ISO 13163:2022
ICS: 17.240, 13.060.60

This document specifies a method for the measurement of 210Pb in all types of waters by liquid scintillation counting (LSC).
The method is applicable to test samples of supply/drinking water, rainwater, surface and ground water, as well as cooling water, industrial water, domestic, and industrial wastewater after proper sampling and handling, and test sample preparation. Filtration of the test sample is necessary. Lead-210 activity concentration in the environment can vary and usually ranges from 2 mBq l
-1 to 300 mBq l
-1 [27][28].

Using currently available liquid scintillation counters, the limit of detection of this method for 210Pb is generally of the order of 20 mBq l
-1 to 50 mBq l
-1, which is lower than the WHO criteria for safe
consumption of drinking water (100 mBq l–1).[4][6]
These values can be achieved with a counting time between 180 min and 720 min for a sample volume from 0,5 l to 1,5 l. Higher activity concentrations can be measured by either diluting the sample or using smaller sample aliquots or both. The method presented in this document is not intended for the determination of an ultra-trace amount of 210Pb.
The range of application depends on the amount of dissolved material in the water and on the performance characteristics of the measurement equipment (background count rate and counting efficiency).
The method described in this document is applicable to an emergency situation.
The analysis of Pb adsorbed to suspended matter is not covered by this method.
It is the user's responsibility to ensure the validity of this test method for the water samples tested.

SIST EN ISO 5667-1:2022 SIST EN ISO 5667-1:2007
SIST EN ISO 5667-1:2007/AC:2007

2022-09 (po) (en;fr;de) 47 str. (I)
Kakovost vode - Vzorčenje - 1. del: Navodilo za načrtovanje programov in tehnik vzorčenja (ISO 5667-1:2020)
Water quality - Sampling - Part 1: Guidance on the design of sampling programmes and sampling techniques (ISO 5667-1:2020)
Osnova: EN ISO 5667-1:2022
ICS: 13.060.45

This document sets out the general principles for, and provides guidance on, the design of sampling programmes and sampling techniques for all aspects of sampling of water (including waste waters, sludges, effluents, suspended solids and sediments). It does not include detailed instructions for specific sampling situations, which are covered in the various other parts of ISO 5667 and in ISO 19458.

SIST/TC KAZ Kakovost zraka

SIST EN 13725:2022 SIST EN 13725:2003
SIST EN 13725:2003/AC:2006

2022-09 (po) (en;fr;de) 124 str. (O)
Emisije nepremičnih virov - Določevanje koncentracije vonjav z dinamično olfaktometrijo in stopnja emisije vonjav iz nepremičnih virov
Stationary source emissions - Determination of odour concentration by dynamic olfactometry and odour emission rate
Osnova: EN 13725:2022
ICS: 13.040.40

This document specifies a method for the objective determination of the odour concentration of a gaseous sample using dynamic olfactometry with human assessors. The standard also specifies a method for the determination of the emission rate of odours from stationary sources, in particular:
- point sources (conveyed or ducted emissions);
- active area sources (e.g. biofilters);
- passive sources.

The primary application of this standard is to provide a common basis for evaluation of odour emissions.
When this document is used for the determination of the odour concentration or the odour emission rate of stationary source emissions, the other relevant European Standards concerning stationary source emissions apply, in particular EN 15259 and EN 16911-1, especially when measurements have to be in compliance with the relevant European Directives concerning industrial air emissions.
Even so, the analysis/quantification step of the measurement method described in this document (i.e. the determination of the odour concentration of an odorous gas sample, without respect to the origin

of the sample itself) can be fully applied in many cases not related with industrial emission sources (e.g. the measurement of the mass concentration at the detection threshold of pure odorous substances, the determination of effectiveness of deodorizing systems for indoor air). In those latter cases, the requirements in this document concerning the measurement planning and the sampling of stationary sources can be ignored or adapted.
This document is applicable to the measurement of odour concentration of pure substances, defined odorant compounds and undefined mixtures of odorant volatiles in air or nitrogen, using dynamic olfactometry with a panel of human assessors being the sensor. The unit of measurement is the European odour unit per cubic metre: ouE/m3. The odour concentration is measured by determining the dilution factor required to reach the detection threshold. The odour concentration at the detection threshold is by definition 1 ouE/m3. The odour concentration is then expressed in terms of multiples of the detection threshold. The range of measurement is typically from 101 ouE/m3 to 107 ouE/m3 (including pre dilution).
The field of application of this document includes:
- the measurement of the mass concentration at the detection threshold of pure odorous substances in g/m3;
- the determination of the EROM value of odorants, in mol;
- the measurement of the odour concentration of mixtures of odorants in ouE/m3;
- the measurement of the emission rate of odorous emissions from point sources, active area sources and passive area sources, including pre dilution during sampling;
- the sampling of odorous gases from emissions of high humidity and temperature (up to 200 °C);
- the determination of effectiveness of end-of-pipe mitigation techniques used to reduce odour emissions.
The determination of odour emissions requires measurement of gas velocityto determine the gas volume flow rate.
The field of application of this document does not include:
- the measurement of odours potentially released by particles of odorous solids or droplets of odorous fluids suspended in emissions;
- the measuring strategy to be applied in case of variable emission rates;
- the measurement of the relationship between odour stimulus and assessor response above detection threshold (perceived intensity);
- measurement of hedonic tone (or (un)pleasantness) or assessment of annoyance potential;
- direct measurement of odour exposure in ambient air. For this measurement purpose, field panel methods exist which are the subject of CEN standard EN 16841-1, Ambient Air - Determination of odour in ambient air by using field inspection - Grid method;
- direct olfactometry, including field olfactometry;
- static olfactometry;
- measurement of odour recognition thresholds;
- measurement of odour identification thresholds.

SIST EN 17628:2022
2022-09 (po) (en;fr;de) 101 str. (N)
Ubežne in razpršene emisije skupnega pomena za industrijske sektorje - Standardna metoda za določevanje razpršenih emisij hlapnih organskih spojin v ozračje
Fugitive and diffuse emissions of common concern to industry sectors - Standard method to determine diffuse emissions of volatile organic compounds into the atmosphere
Osnova: EN 17628:2022
ICS: 13.040.40

This document specifies the framework for determining emissions to the atmosphere of Volatile Organic Compounds (VOCs). It defines a system of methods to detect and/or identify and/or quantify VOC emissions from industrial sources. These methods include Optical Gas Imaging (OGI), Differential Absorption Lidar (DIAL), Solar Occultation Flux (SOF), Tracer Correlation (TC), and Reverse Dispersion Modelling (RDM). It specifies the methodologies for carrying out all the above, and also defines the performance requirements and capabilities of the direct monitoring methods, the requirements for the results and their measurement uncertainties.

This document specifically addresses, but is not restricted to, the petrochemicals, oil refining, and chemical industries receiving, processing, storing, and/or exporting of VOCs, and includes the emissions of VOCs from the natural gas processing/conditioning industry and the storage of natural gas and similar fuels.
This document addresses diffuse VOC emissions to atmosphere but excludes the emissions of VOCs into water and into solid materials such as soils. It is complementary to EN 15446 [9], which covers detection, localization of sources (individual leaks from equipment and piping), and quantification of fugitive VOC emissions within the scope of a Leak Detection and Repair Programme (LDAR).
This document has been validated for non-methane VOCs, but the methodologies are in principle applicable to methane and other gases.
This document defines methods to determine (detect, identify and/or quantify) VOC emissions during the periods of monitoring. It does not address the extrapolation of emissions to time periods beyond the monitoring period.

SIST EN ISO 23320:2022 SIST EN 838:2010
2022-09 (po) (en;fr;de) 48 str. (I)
Zrak na delovnem mestu - Plini in pare - Zahteve za vrednotenje merilnih postopkov z difuzijskimi vzorčevalniki (ISO 23320:2022)
Workplace air - Gases and vapours - Requirements for evaluation of measuring procedures using diffusive samplers (ISO 23320:2022)
Osnova: EN ISO 23320:2022
ICS: 13.040.30

This document specifies performance requirements and test methods under prescribed laboratory conditions for the evaluation of diffusive samplers and of procedures using these samplers for the determination of gases and vapours in workplace atmospheres.
This document is applicable to diffusive samplers and measuring procedures using these samplers in which sampling and analysis are carried out in separate stages.
This document is not applicable to
— diffusive samplers which are used for the direct determination of concentrations,
— diffusive samplers which rely on sorption into a liquid.
This document addresses requirements for method developers and/or manufacturers.
NOTE For the purposes of this document a manufacturer can be any commercial or non-commercial entity.

SIST/TC KDS Kozmetična, dezinfekcijska sredstva in površinsko aktivne snovi

SIST EN ISO 24442:2022 SIST EN ISO 24442:2012
2022-09 (po) (en;fr;de) 65 str. (K)
Kozmetika - Metode za preskušanje zaščite pred soncem - Določevanje zaščitnega faktorja UVA in vivo (ISO 24442:2022)
Cosmetics - Sun protection test methods - In vivo determination of sunscreen UVA protection (ISO 24442:2022)
Osnova: EN ISO 24442:2022
ICS: 71.100.70

This document specifies a method for the in vivo determination of UVA protection factor (UVAPF) of sunscreen products. It is applicable to products that contain any component able to absorb, reflect or scatter ultraviolet (UV) rays and which are intended to be placed in contact with human skin.
This document provides a basis for the evaluation of sunscreen products for the protection of human skin against UVA radiation induced by solar ultraviolet rays.

SIST EN ISO 24444:2020/A1:2022
2022-09 (po) (en;fr;de) 7 str. (B)
Kozmetika - Metode za preskušanje zaščite pred soncem - Določevanje faktorja zaščite pred soncem (SPF) in vivo - Dopolnilo A1 (ISO 24444:2019/Amd 1:2022)
Cosmetics - Sun protection test methods - In vivo determination of the sun protection factor (SPF) - Amendment 1 (ISO 24444:2019/Amd 1:2022)
Osnova: EN ISO 24444:2020/A1:2022
ICS: 71.100.70

Amandma A1:2022 je dodatek k standardu SIST EN ISO 24444:2020.
This standard specifies a method for the in vivo determination of the sun protectionfactor (SPF) of sunscreen products. It is applicable to products that containany component able to absorb, reflect or scatter ultraviolet (UV) rays and whichare intended to be placed in contact with human skin.This document provides abasis for the evaluation of sunscreen products for the protection of human skinagainst erythema induced by solar ultraviolet rays.

SIST-TP CEN/TR 12471:2022 SIST CR 12471:2004
2022-09 (po) (en) 12 str. (C)
Presejalna metoda za prisotnost niklja v izdelkih, vstavljenih v prebodene dele človeškega telesa, in izdelkih, namenjenih neposrednemu in daljšemu stiku s kožo
Screening test for the presence of nickel in articles which are inserted into pierced parts of the human body and articles intended to come into direct and prolonged contact with the skin
Osnova: CEN/TR 12471:2022
ICS: 39.060

This document provides a sceening test based upon the use of dimethylglyoxime to detect nickel release from articles that are inserted into pierced parts of the human body and those that are intended to come into direct and prolonged contact with the skin.
The screening test is suitable for manufacturers and importers as a qualitative method for inspecting articles for nickel release.
NOTE The reference method for the measurement of nickel release in EN 1811, or for spectacle frames and sunglasses, EN 16128.

SIST/TC KON Konstrukcije

SIST EN ISO 17892-1:2015/A1:2022
2022-09 (po) (en;fr;de) 7 str. (B)
Geotehnično preiskovanje in preskušanje - Laboratorijsko preskušanje zemljin - 1. del: Ugotavljanje vlažnosti - Dopolnilo A1 (ISO 17892-1:2014/Amd 1:2022)
Geotechnical investigation and testing - Laboratory testing of soil - Part 1: Determination of water content - Amendment 1 (ISO 17892-1:2014/Amd 1:2022)
Osnova: EN ISO 17892-1:2014/A1:2022
ICS: 93.020, 13.080.20

Amandma A1:2022 je dodatek k standardu SIST EN ISO 17892-1:2015.
This document specifies the laboratory determination of the water (moisture) content of a soil test specimen by oven-drying. The water content is required as a guide to classification of natural soils and as a control criterion in re-compacted soils and is measured on samples used for most field and laboratory tests. The oven-drying method is the definitive procedure used in usual laboratory practice.

SIST/TC KON.005 Lesene konstrukcije - EC 5

SIST EN 14081-2:2018+A1:2022 SIST EN 14081-2:2018
SIST EN 14081-2:2018/kprA1:2022

2022-09 (po) (en;fr;de) 36 str. (H)
Lesene konstrukcije - Po trdnosti razvrščen konstrukcijski les pravokotnega prečnega prereza - 2. del: Strojno razvrščanje - Dodatne zahteve za preskušanje tipa (vključno z dopolnilom A1)
Timber structures - Strength graded structural timber with rectangular cross section - Part 2: Machine grading; additional requirements for type testing
Osnova: EN 14081-2:2018+A1:2022
ICS: 91.080.20, 79.040

This document specifies requirements, additional to those of EN 14081-1, for type testing of machine graded structural timber with rectangular cross-sections shaped by sawing, planning or other methods, and having deviations from the target sizes corresponding to EN 336. This includes requirements for strength grading machines.

SIST EN 384:2016+A2:2022 SIST EN 384:2016+A1:2019
SIST EN 384:2016+A1:2019/kprA2:2022

2022-09 (po) (en;fr;de) 20 str. (E)
Konstrukcijski les - Ugotavljanje karakterističnih vrednosti mehanskih lastnosti in gostote (vključno z dopolnilom A2)
Structural timber - Determination of characteristic values of mechanical properties and density
Osnova: EN 384:2016+A2:2022
ICS: 91.080.20, 79.040

This European Standard gives a method for determining characteristic values of mechanical properties and density, for defined populations of visual grades and/or strength classes of machine graded structural timber. Additionally it covers the stages of sampling, testing, analysis and presentation of the data.
The standard provides methods to derive strength, stiffness and density properties for structural timber from tests with defect-free specimen.
The values determined in accordance with this standard for mechanical properties and density are suitable for assigning grades and species to the strength classes of EN 338.
NOTE 1 For assigning grades and species to the strength classes in EN 338 only three properties, i.e. bending or tension strength, modulus of elasticity parallel to grain in bending or tension and density need to be determined from test data, other properties can be calculated according to Table 2.
NOTE 2 EN 1912 gives examples of established visual grades assigned to strength classes.

SIST/TC KŽP Kmetijski pridelki in živilski proizvodi

SIST CWA 17898:2022
2022-09 (po) (en;fr;de) 53 str. (J)
Metodologija za kvantifikacijo globalnega odtisa kmetijskih pridelkov, vključno z vplivi tal
Methodology to quantify the global agricultural crop footprint including soil impacts
Osnova: CWA 17898:2022
ICS: 13.080.01

This European CWA specifies a methodology for identifying, characterizing, and implementing a single indicator to assess the quality and degradation of agricultural soils and the overall impact of the agriculture processes. The agriculture impacts are assessed through the mechanical, fertilization and irrigation activities associated. Furthermore, soil impacts is evaluated accounting with soil erosion and parameters such as nutrients, texture, and organic matter. The developed methodology allows a simple but robust assessment of soil biogeochemical processes and the loss of fertility and degradation.
This European CWA also provides, in Annexes A and B, informative guidance on its use.

SIST EN 14111:2022 SIST EN 14111:2003
2022-09 (po) (en;fr;de) 10 str. (C)
Derivati maščob in olj - Metil estri maščobnih kislin (FAME) - Določevanje jodnega števila
Fat and oil derivatives - Fatty Acid Methyl Esters (FAME) - Determination of iodine value
Osnova: EN 14111:2022
ICS: 67.200.10

This document specifies a titrimetric method for the determination of iodine value in Fatty Acid Methyl Esters, hereinafter referred as FAME.
The precision statement of this test method was determined in a Round Robin exercise with iodine values in the range 111 g iodine/100 g to 129 g iodine/100 g.
The test method is also applicable for lower iodine values, however, the precision statement is not established for iodine values below 111 g iodine/100 g.
WARNING — The use of this document can involve hazardous materials, operations and equipment. This document does not purport to address all of the safety problems associated with its use. It is the responsibility of users of this document to take appropriate measures to ensure the safety and health of personnel prior to the application of the document, and to determine the applicability of any other restrictions for this purpose.

SIST EN 17644:2022
2022-09 (po) (en;fr;de) 20 str. (E)
Živila - Odkrivanje prisotnosti alergenov v živilih s tekočinsko kromatografijo masno spektrometrijo (LC-MS) - Splošne ugotovitve
Foodstuffs - Detection of food allergens by liquid chromatography - mass spectrometry (LC-MS) methods - General considerations
Osnova: EN 17644:2022
ICS: 67.050

This document establishes an overall framework covering qualitative and quantitative methods for the determination of food allergens and allergenic ingredients using mass spectrometry-based methods for the determination of specific peptides/proteins. This document provides general guidelines and performance criteria applicable to this methodology. Guidelines, minimum requirements and performance criteria laid down in this document are intended to ensure that comparable and reproducible results are obtained by different analysts, instrumentation and laboratories.

SIST EN ISO 23418:2022
2022-09 (po) (en;fr;de) 54 str. (J)
Mikrobiologija v prehranski verigi - Sekvenciranje celotnega genoma za tipizacijo in genomsko karakterizacijo bakterij - Splošne zahteve in smernice (ISO 23418:2022)
Microbiology of the food chain - Whole genome sequencing for typing and genomic characterization of bacteria - General requirements and guidance (ISO 23418:2022)
Osnova: EN ISO 23418:2022
ICS: 07.100.30

This international standard specifies minimum requirements for generating and analyzing whole-genome sequence (WGS) data obtained from foodborne bacteria. These requirements are applicable to any sequencing platform or chemistry. This process may include the following stages:
• Handling of bacterial cultures;
• Genomic DNA isolation;
• Sequencing library preparation, sequencing, and assessment of raw DNA sequence read quality and storage;
• Bioinformatic analysis, including methods such as high quality single nucleotide polymorphism (hqSNP) analysis, core genome and whole genome multi-locus genotyping (cgMLST, wgMLST), and bioinformatic pipeline validation; and
• Metadata capture and sequence repository deposition.

SIST/TC LLZ Les, lesni izdelki in zaščita lesa

SIST EN 12369-3:2022 SIST EN 12369-3:2009
2022-09 (po) (en;fr;de) 11 str. (C)
Lesne plošče - Karakteristične vrednosti za projektiranje - 3. del: Masivne lesne plošče
Wood-based panels - Characteristic values for structural design - Part 3: Solid wood panels
Osnova: EN 12369-3:2022
ICS: 79.060.99

This document provides information on the characteristic values for use in designing structures incorporating wood-based panels. The characteristic values given are as defined in EN 1995-1-1.
This document includes the characteristic values of the mechanical properties and of the raw density for solid-wood panels complying with prEN 13353:2021 technical classes SWP/1 S, SWP/2 S, SWP/3 S.

SIST EN 13353:2022 SIST EN 13353:2009+A1:2011
2022-09 (po) (en;fr;de) 15 str. (D)
Masivne lesne plošče (SWP) - Zahteve
Solid wood panels (SWP) - Requirements
Osnova: EN 13353:2022
ICS: 79.060.99

This document specifies requirements for solid wood panels as defined in EN 12775 with a maximum thickness of 80 mm for use in dry, humid and exterior conditions as defined in service classes 1, 2 and 3 of EN 1995-1-1:2004.
Additional information on supplementary properties for certain applications is also given.

SIST EN 14734:2022
2022-09 (po) (en;fr;de) 16 str. (D)
Trajnost lesa in lesnih proizvodov - Ugotavljanje možnosti za impregnacijo lesnih vrst z biocidnimi proizvodi za zaščito lesa - Laboratorijska metoda
Durability of wood and wood-based products - Determination of treatability of timber species to be impregnated with wood preservatives - Laboratory method
Osnova: EN 14734:2022
ICS: 71.100.50, 79.040

This document describes a laboratory method for the determination of the treatability of wood in order to determine the likely reaction of different wood species to impregnation with wood preservatives. It can also be used to investigate variation between samples of the same species but of different origin.

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

SIST EN 50470-3:2022 SIST EN 50470-3:2007
SIST EN 50470-3:2007/A1:2019
2022-09 (po) (en;fr) 29 str. (G)
Oprema za merjenje električne energije - 3. del: Posebne zahteve - Statični števci za izmenično delovno energijo (razredni indeksi A, B in C)
Electricity metering equipment - Part 3: Particular requirements - Static meters for AC active energy (class indexes A, B and C)
Osnova: EN 50470-3:2022
ICS: 17.220.20, 91.140.50

This document applies only to static watt-hour meters of accuracy classes A, B and C for the measurement of alternating current electrical active energy in 50 Hz or 60 Hz networks and it applies to their type tests.

NOTE 1 For general requirements, such as construction, EMC, safety, dependability etc., see the relevant EN 62052 series or EN 62059 series.
This document applies to electricity metering equipment designed to:
— measure and control electrical energy on electrical networks (mains) with voltage up to 1 000 V AC;
NOTE 2 For AC electricity meters, the voltage mentioned above is the line-to-neutral voltage derived from nominal voltages. See EN 62052-31:2016, Table 7. EN 62052-31:2016 covers AC voltages only up to 600 V and Ed. 2 of EN IEC 62052-31 will cover AC voltages up to 1000 V.
— have all functional elements, including add-on modules, enclosed in, or forming a single meter case with exception of indicating displays;
— operate with integrated or detached indicating displays;
— be installed in specified matching sockets or racks;
— optionally, provide additional functions other than those for measurement of electrical energy.
Meters designed for operation with low power instrument transformers (LPITs as defined in the EN 61869 series) can be tested for compliance with this document only if such meters and their LPITs are tested together and meet the requirements for directly connected meters.
NOTE 3 Modern electricity meters typically contain additional functions such as measurement of voltage magnitude, current magnitude, power, frequency, power factor, etc.; measurement of power quality parameters; load control functions; delivery, time, test, accounting, recording functions; data communication interfaces and associated data security functions.
The relevant standards for these functions could apply in addition to the requirements of this document. However, the requirements for such functions are outside the scope of this document.
NOTE 4 Product requirements for power metering and monitoring devices (PMDs) and measurement functions such as voltage magnitude, current magnitude, power, frequency, etc., are covered in EN 61557-12:2008. However, devices compliant with EN 61557-12:2008 are not intended to be used as billing meters unless they are also compliant with the EN IEC 62052-11:2021/A11:2022 and EN 50470-3:2022 standards.
NOTE 5 Product requirements for power quality instruments (PQIs) are covered in EN 62586-1:2017. Requirements for power quality measurement techniques (functions) are covered in EN 61000-4-30:2015. Requirements for testing of the power quality measurement functions are covered in EN 62586-2:2017.
This document does not apply to:
— meters for which the line-to-neutral voltage derived from nominal voltages exceeds 1 000 V AC;
— meters intended for connection with low power instrument transformers (LPITs as defined in the EN 61869 series) when tested without such transformers;
— metering systems comprising multiple devices (except of LPITs) physically remote from one another;
— portable meters;
NOTE 6 Portable meters are meters that are not permanently connected.
— meters used in rolling stock, vehicles, ships and airplanes;
— laboratory and meter test equipment;
reference standard meters;
— data interfaces to the register of the meter;
— matching sockets or racks used for installation of electricity metering equipment;
— any additional functions provided in electrical energy meters.
This document does not cover measures for the detection and prevention of fraudulent attempts to compromise meter's performance (tampering).
NOTE 7 Nevertheless, specific tampering detection and prevention requirements, and test methods, as relevant for a particular market are subject to the agreement between the manufacturer and the purchaser.
NOTE 8 Specifying requirements and test methods for fraud detection and prevention would be counterproductive, as such specifications would provide guidance for potential fraudsters.
NOTE 9 There are many types of meter tampering reported from various markets; therefore, designing meters to detect and prevent all types of tampering could lead to unjustified increase in costs of meter design, verification and validation.
NOTE 10 Billing systems, such as smart metering systems, are capable of detecting irregular consumption patterns and irregular network losses which enable discovery of suspected meter tampering.

NOTE 11 For transformer operated meters paired with current transformers (CTs) according to EN 61869-2: the standard CT measuring range is specified from 0,05 In to Imax for accuracy classes 0,1, 0,2, 0,5 and 1 and these CTs are used for meters of class C, B and A according to this document.
NOTE 12 This document does not specify emission requirements, these are specified in EN IEC 62052-11:2021/A11:2022, 9.3.14.

SIST EN IEC 62052-11:2021/A11:2022
2022-09 (po) (en;fr) 15 str. (D)
Oprema za merjenje električne energije - Splošne zahteve, preskusi in preskuševalni pogoji - 11. del: Merilna oprema - Dopolnilo A11
Electricity metering equipment - General requirements, tests and test conditions - Part 11: Metering equipment
Osnova: EN IEC 62052-11:2021/A11:2022
ICS: 91.140.50, 17.220.20

Amandma A11:2022 je dodatek k standardu SIST EN IEC 62052-11:2021.
IEC 62052-11:2020 (E) specifies requirements and associated tests, with their appropriate conditions for type testing of AC and DC electricity meters. This document details functional, mechanical, electrical and marking requirements, test methods, and test conditions, including immunity to external influences covering electromagnetic and climatic environments.
This document applies to electricity metering equipment designed to:
• measure and control electrical energy on electrical networks (mains) with voltage up to 1 000 V AC, or 1 500 V DC;
• have all functional elements, including add-on modules, enclosed in, or forming a single meter case with exception of indicating displays;
• operate with integrated displays (electromechanical or static meters);
• operate with detached indicating displays, or without an indicating display (static meters only);
• be installed in a specified matching sockets or racks;
• optionally, provide additional functions other than those for measurement of electrical energy.
Meters designed for operation with Low Power Instrument Transformers (LPITs as defined in the IEC 61869 series) may be tested for compliance with this document and the relevant IEC 62053 series documents only if such meters and their LPITs are tested together as directly connected meters.
This document is also applicable to auxiliary input and output circuits, operation indicators, and test outputs of equipment for electrical energy measurement.
This document also covers the common aspects of accuracy testing such as reference conditions, repeatability and measurement of uncertainty.
This document does not apply to:
• meters for which the voltage line-to-neutral derived from nominal voltages exceeds 1 000 V AC, or 1 500 V DC;
• meters intended for connection with low power instrument transformers (LPITs as defined in the IEC 61869 series of standards) when tested without such transformers;
• metering systems comprising multiple devices (except of LPITs) physically remote from one another;
• portable meters;
• meters used in rolling stock, vehicles, ships and airplanes;
• laboratory and meter test equipment;
• reference standard meters;
• data interfaces to the register of the meter;
• matching sockets or racks used for installation of electricity metering equipment;
• any additional functions provided in electrical energy meters.
This document does not cover measures for the detection and prevention of fraudulent attempts to compromise a meter’s performance (tampering).
This second edition cancels and replaces the first edition published in 2003, and its amendment 1:2016. This edition constitutes a technical revision.
This edition includes the following significant technical changes with respect to the previous edition:
a) Removed all meter safety requirements; the meter safety requirements are covered in IEC 62052-31:2015;
b) Included requirements for meter power consumption and voltage requirements from IEC 62053-61; IEC 62053-61 is withdrawn;

c) Included requirements for meter symbols from IEC 62053-52; IEC 62053-52 is withdrawn;
d) Included requirements for meter pulse output devices from IEC 62053-31; IEC 62053-31 is withdrawn;
e) Added new requirements and tests including: meters with detached indicating displays, and meters without indicating displays, meter sealing provisions; measurement uncertainty and repeatability; time-keeping accuracy;

SIST/TC MOC Mobilne komunikacije

SIST EN 303 447 V1.3.1:2022
2022-09 (po) (en) 42 str. (I)
Naprave kratkega dosega (SRD) - Harmonizirani standard za dostop do radijskega spektra - Sistemi z indukcijsko zanko za robotske kosilnice, ki delujejo v frekvenčnem območju od 100 Hz do 148,5 kHz
Short Range Devices (SRD) - Harmonised Standard for access to radio spectrum - Inductive loop systems for robotic mowers operating within the frequency range 100 Hz to 148,5 kHz
Osnova: ETSI EN 303 447 V1.3.1 (2022-07)
ICS: 33.060.01

The present document specifies technical characteristics and methods of measurements for Robotic Mowers with Inductive loop systems (RMI) operating within the frequency range 100 Hz to 148,5 kHz.
The present document covers the following RMI systems:
• RMI1 systems: RMI systems without receive only mode
• RMI2 systems: RMI systems with receive only mode
NOTE 1: In RMI1 systems the robotic mower is not able to restart automatically if the boundary signal comes back after the loss of the boundary signal (safe mode, see clause 4.2.2.3), while in RMI2 systems the robotic mower is able to restart automatically after the boundary signal is back. This differentiation has been introduced to cover receiver spurious emissions for RMI2 systems.
These radio equipment types are capable of operating in all or part of the frequency bands given in table 1.
Table 1: Permitted range of operation
Permitted range of operation
Transmit 100 Hz to 148,5 kHz
Receive 100 Hz to 148,5 kHz
NOTE: It should be noted that the frequency range between 9 kHz and
148,5 kHz is EU wide harmonised for inductive Short Range
Devices according to EC Decision 2017/1483/EU [i.2].
NOTE 2: The relationship between the present document and essential requirements of article 3.2 of Directive 2014/53/EU [i.3] is given in Annex A.
The present document only covers RMI systems with antenna sizes smaller than 1,67 km, see CEPT/ERC/REC 70-03 [i.1], Annex 9.
NOTE 3: The antenna size is described by the distance between those two points on the antenna that have the largest distance between them (e.g. for a rectangle shaped antenna the largest diagonal; for a circular shaped antenna the diameter).

SIST EN IEC 60794-1-310:2022 SIST EN IEC 60794-1-23:2020
2022-09 (po) (en) 15 str. (D)
Optični kabli - 1-310. del: Splošna specifikacija - Osnovni preskusni postopki za optične kable - Preskusne metode za kabelske elemente - Odstranljivost, metoda G10 (IEC 60794-1-310:2022)
Optical fibre cables - Part 1-310: Generic specification - Basic optical cable test procedures - Cable element test methods - Strippability, method G10 (IEC 60794-1-310:2022)
Osnova: EN IEC 60794-1-310:2022
ICS: 33.180.10

This part of IEC 60794 describes test procedures to be used in establishing uniform requirements of optical fibre cable elements for the mechanical property- strippability.

This document applies to optical fibre cables for use with telecommunication equipment and devices employing similar techniques, and to cables having a combination of both optical fibres and electrical conductors.
Throughout the document, the wording "optical cable" can also include optical fibre units, microduct fibre units, etc.

SIST EN IEC 60794-3-40:2022 SIST EN 60794-3-40:2009
2022-09 (po) (en) 36 str. (H)
Optični kabli - 3-40. del: Kabli za zunanjo uporabo - Skupinska specifikacija za kable, namenjene za meteorne in sanitarne kanale (IEC 60794-3-40:2022)
Optical fibre cables - Part 3-40: Outdoor cables - Family specification for cables for storm and sanitary sewers (IEC 60794-3-40:2022)
Osnova: EN IEC 60794-3-40:2022
ICS: 33.180.10

This part of IEC 60794 is a family specification that covers sewer cables and conduits for installation by blowing and/ or pulling in man accessible and non-man accessible storm and sanitary sewers. Systems built with components covered by this standard are subject to the requirements of sectional specification IEC 60794-3.
Sewer cable and conduit constructions have to meet the different requirements of the sewer operating companies and/or associations regarding chemical, environmental, operational, cleaning and in general maintenance conditions.
Preferential applications, describing sewer cable characteristics versus methods of installation is reported in Annex A and Annex B for non-man accessible sewers.
Clause 5 describes characteristics of sewer cables and conduits for installation by blowing, pulling or other means in storm and sanitary sewers.
Detail specifications may be prepared on the basis of this family specification.
The parameters specified in this standard may be affected by measurement uncertainty arising either from measurement errors or calibration errors due to lack of suitable standards.
Acceptance criteria should be interpreted with respect to this consideration. The number of fibres tested is representative of the sewer cable and should be agreed between the customer and the supplier.

SIST/TC NAD Naftni proizvodi, maziva in sorodni proizvodi

SIST EN 589:2019+A1:2022/A101:2022 SIST EN 589:2019/A101:2019
2022-09 (izv) (sl) 3 str. (SA)
Goriva za motorna vozila - Utekočinjeni naftni plin (UNP) - Zahteve in preskusne metode
Automotive fuels - LPG - Requirements and test methods
Osnova:
ICS: 75.160.20

Amandma A101:2022 je dodatek k standardu SIST EN 589:2019+A1:2022.
This document specifies requirements and test methods for marketed and delivered automotive liquefied petroleum gas (LPG), with LPG defined as low pressure liquefied gas composed of one or more light hydrocarbons which are assigned to UN 1011, 1075, 1965, 1969 or 1978 only and which consists mainly of propane, propene, butane, butane isomers, butenes with traces of other hydrocarbon gases.
This standard is applicable to automotive LPG for use in LPG engine vehicles designed to run on automotive LPG.
NOTE For the purposes of this European Standard, the terms "% (m/m)" and "% (V/V)" are used to represent respectively the mass fraction, μ, and the volume fraction, φ.
WARNING - Attention is drawn to the risk of fire and explosion when handling LPG and to the hazard to health arising through inhalation of excessive amounts of LPG.
LPG is a highly volatile hydrocarbon liquid which is normally stored under pressure. If the pressure is released large volumes of gas will be produced which form flammable mixtures with air over the range

of approximately 2 % (V/V) to 10 % (V/V). This European Standard involves the sampling, handling and testing of LPG. Naked flames, unprotected electrical equipment electrostatic hazards etc. are sources of ignition for LPG.
LPG in liquid form can cause cold burns to the skin. The national health and safety regulations apply.
LPG is heavier than air and accumulates in cavities. There is a danger of suffocation when inhaling high concentrations of LPG.
CAUTION - One of the tests described in this European Standard involves the operator inhaling a mixture of air and LPG vapour. Particular attention is drawn to the cautionary statement provided in A.1, where this method is referred to.

SIST EN 590:2022/A101:2022 SIST EN 590:2013+A1:2017/A101:2018
2022-09 (izv) (sl) 3 str. (SA)
Goriva za motorna vozila - Dizelsko gorivo - Zahteve in preskusne metode
Automotive fuels - Diesel - Requirements and test methods
Osnova:
ICS: 75.160.20

Amandma A101:2022 je dodatek k standardu SIST EN 590:2022.
This European Standard specifies requirements and test methods for marketed and delivered automotive diesel fuel. It is applicable to automotive diesel fuel for use in diesel engine vehicles designed to run on automotive diesel fuel containing up to 7 %(V/V) Fatty Acid Methyl Ester.
NOTE For the purposes of this European Standard, the terms "% (m/m)" and "% (V/V)" are used to represent respectively the mass fraction and the volume fraction.

SIST EN ISO 4259-4:2022
2022-09 (po) (en;fr;de) 44 str. (I)
Nafta in sorodni proizvodi - Natančnost merilnih metod in rezultatov - 4. del: Uporaba grafikonov statističnega nadzora stanja "pod statističnim nadzorom“ za izvajanje standardne preskusne metode v enem laboratoriju (ISO 4259-4:2021)
Petroleum and related products - Precision of measurement methods and results - Part 4: Use of statistical control charts to validate 'in-statistical-control' status for the execution of a standard test method in a single laboratory (ISO 4259-4:2021)
Osnova: EN ISO 4259-4:2022
ICS: 75.180.30, 75.080

This document specifies the methodology to determine if a laboratory is in control in the execution of a standard test method. By using statistical control charts and following this document the 'in-statistical-control' status is established and validated. In-statistical-control means the test results produced by the lab on control samples are reasonably consistent with expectation over time; with random variation scattered around a stable expected centre due to common causes only
This document explicitly defines ‘site precision’ conditions as single apparatus, multi-operators, over a long time horizon. It specifies control charts that are most appropriate for ISO TC28 test methods where the dominant common cause variation is associated with the long term, multiple operator conditions as described by "site precision" conditions. The control charts specified for determination of in-statistical-control are: Individual (I), Moving Range of 2 (MR2), Exponentially Weighted Moving Average (EWMA), and zone-based run rules (commonly known as Western Electric (WE)run rules.
The procedures in this document have been designed specifically for petroleum and petroleum related products, which are normally considered as homogeneous and for test methods which show normality in obtaining their results. However, the procedures described in this document can also be applied to other types of homogeneous products and test methods.

SIST/TC OCE Oprema za ceste

SIST-TP CEN/TR 17828:2022
2022-09 (po) (en;fr;de) 56 str. (J)
Cestna infrastruktura - Avtomatizirane interakcije vozil - Referenčni okvir, različica 1
Road infrastructure - Automated vehicle interactions - Reference Framework Release 1
Osnova: CEN/TR 17828:2022
ICS: 93.080.99, 43.020, 35.240.60

This document provides the current road equipment suppliers' visions and their associated short term and medium-term priority deployment scenarios. Potential functional/operational standardization issues enabling a safe interaction of road equipment/infrastructure with automated vehicles in a consistent and interoperable way are identified. This is paving the way for a deeper analysis of standardization actions which are necessary for the deployment of priority short-time applications and use cases.
This deeper analysis will be done at the level of each priority application/use case by identifying existing standards to be used, standards gaps/overlaps and new standards to be developed to support this deployment.
The release 1 is focusing on short-term (2022 to 2027) and medium-term deployment. Further releases will update this initial vision according to short term deployment reality.
The objectives of this document are to:
- Support the TC 226 and its WG12 work through the development of a common vision of the roles and responsibilities of a modern, smart road infrastructure in the context of the automated vehicle deployment from SAE level 1 to SAE level 5. The roles and responsibilities of the road infrastructure are related to its level of intelligence provided by functions and data being managed at its level.
- Promote the road equipment suppliers and partners visions associated to their short-term and medium- term priorities to European SDOs and European Union with the goal of having available relevant, consistent standards sets enabling the identified priority deployment scenarios.
NOTE Road equipment/infrastructure includes the physical reality as its digital representation (digital twin). Both need to present a real time consistency.

SIST-TS CEN/TS 17812:2022
2022-09 (po) (en;fr;de) 12 str. (C)
Določanje akustičnih lastnosti oznak - Merilna metoda CPX
Determination of the acoustic properties of markings - The CPX measurement method
Osnova: CEN/TS 17812:2022
ICS: 93.080.30, 17.140.30

This document outlines a method to measure the typical external noise emission produced when tyres of passenger car roll over a structured road marking. The result is a measure for the noise perceived in the surroundings of the road, hence not for interior noise in the car.
This method can be used for three purposes:
- determination of initial acoustic properties of a road marking, yielding a noise label for a given system;
- testing of the acoustic conformity of a particular marking to the noise label determined during the determination of initial acoustic properties;
- monitoring of the acoustic properties in the course of its lifetime.
The test result allows the road owner to make an assessment of the risk of nuisance when s/he considers a particular road marking system for application on a road in a noise sensitive area, e.g. built up areas. The method is also applicable to measurements on milled rumble strips.

SIST/TC OGS Ogrevanje, hlajenje in prezračevanje stavb

SIST EN 14825:2022 SIST EN 14825:2019
2022-09 (po) (en;fr;de) 137 str. (O)
Klimatske naprave, enote za hlajenje kapljevine ter toplotne črpalke za ogrevanje in hlajenje prostora z električnimi kompresorji, profesionalno in procesno hlajenje prostora - Preskušanje in ocenitev ob delni obremenitvi ter izračun letnega učinka
Air conditioners, liquid chilling packages and heat pumps, with electrically driven compressors, for space heating and cooling, commercial and process cooling - Testing and rating at part load conditions and calculation of seasonal performance
Osnova: EN 14825:2022
ICS: 23.120, 91.140.30, 27.080

This European Standard covers air conditioners, heat pumps and liquid chilling packages, including comfort and process chillers. It applies to factory made units defined in EN 14511-1, except single duct, double duct, control cabinet and close control units. It also covers direct expansion-to-water(brine) heat pumps (DX-to-water) as defined in EN 15879-1.
This European Standard also covers hybrid heat pumps as defined in this standard.
This European Standard gives the temperatures and part load conditions and the calculation methods for the determination of seasonal energy efficiency SEER and SEERon, seasonal space cooling energy efficiency ηs,c seasonal coefficient of performance SCOP, SCOPon and SCOPnet, and seasonal space heating energy efficiency ηs,h and seasonal energy performance ratio SEPR.
Such calculation methods may be based on calculated or measured values.
In case of measured values, this European Standard covers the test methods for determination of capacities, EER and COP values during active mode at part load conditions. It also covers test methods for electric power consumption during thermostat-off mode, standby mode, off-mode and crankcase heater mode.
NOTE 1 The word "unit" is used instead of the full terms of the products.
NOTE 2 The word "cooling" is used to refer to both space cooling and process cooling.
NOTE 3 The word "heating" is used to refer to space heating.

SIST/TC OVP Osebna varovalna oprema

SIST EN ISO 12312-1:2022 SIST EN ISO 12312-1:2013
SIST EN ISO 12312-1:2013/A1:2015
2022-09 (po) (en;fr;de) 40 str. (H)
Varovanje oči in obraza - Sončna očala in sorodna oprema za varovanje oči - 1. del: Sončna očala za splošno uporabo (ISO 12312-1:2022)
Eye and face protection - Sunglasses and related eyewear - Part 1: Sunglasses for general use (ISO 12312-1:2022)
Osnova: EN ISO 12312-1:2022
ICS: 11.040.70, 13.340.20

This document is applicable to all afocal (plano power) sunglasses and clip-ons for general use, including road use and driving, intended for protection against solar radiation. Information on the use of sunglass filters is given in Annex A. Requirements for unmounted filters used as replacement or alternative filters are given in Annex C. This document is not applicable to: a) eyewear for protection against radiation from artificial light sources; b) eye protectors intended for specific sports (e.g. ski goggles or other types – see ISO18527 (all parts)); c) sunglasses that have been medically prescribed for attenuating solar radiation; d) products intended for direct observation of the sun, such as for viewing a partial or annular solar eclipse, for which ISO 12312-2 applies; e) products intended for occupational eye protection – see, for example, ISO 16321 (all parts).

SIST EN ISO 16321-1:2022

SIST EN 166:2002
SIST EN 169:2003
SIST EN 170:2003
SIST EN 171:2002
SIST EN 172:1996
SIST EN 172:1996/A1:2000
SIST EN 172:1996/A2:2001
SIST EN 379:2003+A1:2009

2022-09 (po) (en) 52 str. (J)

Zaščita za oči in obraz za poklicno uporabo - 1. del: Splošne zahteve (ISO 16321-1:2021)
Eye and face protection for occupational use - Part 1: General requirements (ISO 16321-1:2021)
Osnova: EN ISO 16321-1:2022
ICS: 13.340.20

This document specifies general requirements for protectors designed to provide protection for the eyes and faces of persons against common occupational hazards such as impacts from flying particles and fragments, optical radiation, dusts, splashing materials, molten metals, heat, flame, hot solids, harmful gases, vapours and aerosols.
Additional requirements for protectors used during welding and related techniques and for mesh protectors are given in ISO 16321-2 and ISO 16321-3.
This document applies to all afocal (plano power) and prescription lens protectors and components.
This document also applies to those articles of eye and face protection used for occupational-type tasks but not performed as part of an occupation, e.g. "do-it-yourself".
This document does not apply to:
— sunglasses for general use for which ISO 12312-1 applies;
— protectors for medically prescribed applications (not occupational); e.g. eye protection for severe dry eye, tints prescribed for medical conditions;
— protectors intended to control exposure of the eyes of patients during diagnosis or treatment (e.g. ISO/DTR 22463);
— protectors for use during medical or aesthetic applications intense light sources (ILS) for which ISO 12609 series applies;
— protectors intended for direct observation of the sun, such as for solar-eclipse viewing for which ISO 12312-2 applies;
— protectors specifically intended for sports for which ISO 18527 series applies;
— laser protectors, for which ISO 19818 applies;
— face protectors intended for live-working to protect against short-circuit electric arcs for which IEC 62819 applies;
— protectors intended to protect against ionizing radiation for which IEC 61331-3 applies.

SIST EN ISO 18527-1:2022
2022-09 (po) (en) 34 str. (H)

Ščitniki za oči in obraz za uporabo pri športu - 1. del: Zahteve za očala za smučanje in deskanje na snegu (ISO 18527-1:2021)
Eye and face protection for sports use - Part 1: Requirements for downhill skiing and snowboarding goggles (ISO 18527-1:2021)
Osnova: EN ISO 18527-1:2022
ICS: 97.220.20, 13.340.20

This International Standard applies to all afocal (plano power) goggles, intended for eye protection against hazards including ultraviolet and visible solar radiation, rain, snow and wind, during downhill skiing, snowboarding and other activities with similar hazards and no greater risks.
It deals with materials, construction, optical properties, testing, labelling and marking.
Requirements for the marking of goggles and for information to be supplied by the manufacturer are also specified.
Information on the selection and use of ski and snow-boarding goggles is given in Annex A.
This International Standard does not apply to:
a) eyewear for protection when operating or travelling on a motorized vehicle;
b) eyewear for protection against radiation from artificial light sources, such as those used in solaria;
c) eyewear for direct observation of the sun;

d) eye protectors intended for sports with unrelated hazards and risks.

SIST-TP CEN ISO/TR 8546:2022
2022-09 (po) (en;fr;de) 39 str. (H)
Zaščita za roke - Navodila za izbiro in uporabo (ISO/TR 8546:2022)
Hand protection - Guidance for selection and use (ISO/TR 8546:2022)
Osnova: CEN ISO/TR 8546:2022
ICS: 13.340.40

This document gives information on the selection and use of personal protective equipment for the hand protection. The application of this Technical Report requires that the risk assessment has been carried out and the hazards have been minimized accordingly through substitution and technical and organizational measures.
On this basis, this Technical Report contains information that supports employers in counteracting certain risks to hands that could not be sufficiently reduced by substitution and technical and organizational measures by selecting and using suitable protective gloves.
This Technical Report provides explanations on selection, usage and training applicable to protective gloves. The explanations concerning specific hazards are provided in Annexes.
This guide considers the following risks:
- mechanical,
- chemical,
- biological,
- thermal,
- electrostatic discharge.
- ionizing radiation
- radioactive contamination

This guide does not cover other risks, because pertinent international or national publications are available or because the relevant information was not available in ISO/TC 94/SC 13/WG 8. Risks not covered include e.g.:
- cuts and stabs by hand knives
- use of chain saws (covered by ISO 11393-4, Annex A)
- animal bites
- needlesticks
- electrocution
- optical radiation
- vibrations
- electric fault arcs
- firefighting (covered by ISO/TR 21808)
- sport.

SIST/TC PCV Polimerne cevi, fitingi in ventili

SIST EN ISO 13479:2022 SIST EN ISO 13479:2010
2022-09 (po) (en;fr;de) 26 str. (F)
Cevi iz poliolefinov za transport tekočin - Ugotavljanje odpornosti proti širjenju razpoke - Metoda za preskus počasnega širjenja razpoke na zarezani cevi (ISO 13479:2022)
Polyolefin pipes for the conveyance of fluids - Determination of resistance to crack propagation - Test method for slow crack growth on notched pipes (ISO 13479:2022)
Osnova: EN ISO 13479:2022
ICS: 23.040.20

This document specifies a test method for determining the resistance to slow crack growth of polyolefin pipes, expressed in terms of time to failure in a hydrostatic pressure test on a pipe with machined longitudinal notches in the outside surface. The test is applicable to pipes of wall thickness greater than 5 mm.

SIST EN ISO 15874-1:2013/A1:2022
2022-09 (po) (en;fr;de) 7 str. (B)
Cevni sistemi iz polimernih materialov za napeljave z vročo in hladno vodo - Polipropilen (PP) - 1. del: Splošno - Dopolnilo A1 (ISO 15874-1:2013/Amd 1:2022)
Plastics piping systems for hot and cold water installations - Polypropylene (PP) - Part 1: General - Amendment 1: Impact test (ISO 15874-1:2013/Amd 1:2022)
Osnova: EN ISO 15874-1:2013/A1:2022
ICS: 91.140.60, 23.040.20

Amandma A1:2022 je dodatek k standardu SIST EN ISO 15874-1:2013.
This part of ISO 15874 specifies the general aspects of polypropylene (PP) piping systems intended to be used for hot and cold water installations within buildings for the conveyance of water whether or not intended for human consumption (domestic systems), and for heating systems, under design pressures and temperatures according to the class of application (see Table 1). It covers a range of service conditions (classes of application), design pressures and pipe dimension classes. Values of TD, Tmax and Tmal in excess of those in Table 1 of this part of ISO 15874 do not apply. NOTE It is the responsibility of the purchaser or specifier to make the appropriate selections from these aspects, taking into account their particular requirements and any relevant national regulations and installation practices or codes. It also specifies the test parameters for the test methods referred to in this part of ISO 15874. In conjunction with the other parts of ISO 15874, this part of ISO 15874 is applicable to PP pipes, fittings, their joints and to joints with components of other plastics and non-plastics materials intended to be used for hot and cold water installations.

SIST EN ISO 15874-2:2013/A2:2022
2022-09 (po) (en;fr;de) 10 str. (C)
Cevni sistemi iz polimernih materialov za napeljave z vročo in hladno vodo - Polipropilen (PP) - 2. del: Cevi - Dopolnilo A2 (ISO 15874-2:2013/Amd 2:2022)
Plastics piping systems for hot and cold water installations - Polypropylene (PP) - Part 2: Pipes - Amendement 2: Impact test (ISO 15874-2:2013/Amd 2:2022)
Osnova: EN ISO 15874-2:2013/A2:2022
ICS: 91.140.60, 23.040.20

Amandma A:2022 je dodatek k standard SIST EN ISO 15874-2:2013.
This part ISO 15874 specifies the requirements of pipes made from polypropylene (PP) for piping systems intended to be used for hot and cold water installations within buildings for the conveyance of water whether or
not intended for human consumption (domestic systems) and for heating systems under operating pressures and temperatures appropriate to the class of application (see ISO 15874-1:2013, Table 1). This part of ISO 15874 covers a range of service conditions (application classes), design pressures and pipe dimension classes. For values of TD, Tmax and Tmal in excess of those in Table 1 of ISO 15874-1:2013 do not apply. NOTE 1 It is the responsibility of the purchaser or specifier to make the appropriate selections from these aspects, taking into account their particular requirements and any relevant national regulations and installation practices or codes. It also specifies the test parameters for the test methods referred to in this part of ISO 15874. In conjunction with the other parts of ISO 15874, this part of ISO 15874 is applicable to PP pipes, their joints and to joints with components of PP, other plastics and non-plastics materials intended to be used for hot and cold water installations. It is applicable to pipes with or without (a) barrier layer(s). NOTE 2 In the case of plastics pipes provided with a thin barrier layer, e.g. to prevent or greatly diminish the diffusion of gases and the transmission of light into or through the pipe wall, the design stress requirements are totally met by the base polymer (PP).

SIST/TC PIP Pigmenti in polnila

SIST EN ISO 788:2022
2022-09 (po) (en;fr;de) 15 str. (D)
Ultramarinski pigmenti (ISO 788:2021)
Ultramarine pigments (ISO 788:2021)
Osnova: EN ISO 788:2022
ICS: 87.060.10

This International Standard specifies the requirements and corresponding test methods for artificial ultramarine pigments, suitable for uses in plastics, paints and etc.

SIST/TC PLN Plinske naprave za dom

SIST EN 16830:2022 SIST EN 16830:2017
2022-09 (po) (en;fr;de) 32 str. (G)
Varnostne in nadzorne naprave za gorilnike in aparate na plin ali tekoča goriva - Regulacijske in nadzorne funkcije v elektronskih sistemih - Regulacija temperature
Safety and control devices for burners and appliances burning gaseous or liquid fuels - Control functions in electronic systems - Temperature Control function
Osnova: EN 16830:2022
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 497:2022 SIST EN 497:1997
2022-09 (po) (en;fr;de) 48 str. (I)
Specifikacija za plinske aparate na utekočinjeni naftni plin - Večnamenski kuhalni aparati za zunanjo uporabo
Specification for dedicated liquefied petroleum gas appliances - Multi purpose boiling burners for outdoor use
Osnova: EN 497:2022
ICS: 97.040.20

This standard specifies the constructional and performance characteristics, safety specifications and rational use of energy, relevant test methods and marking of burners burning liquefied petroleum gas and designed to heat up vessels of diameter greater than 300 mm, containing liquids or food. This standard overs appliances, generally floor standing, fitted with one or several open burners without enclosure, designed to be used outdoors and operating with the gases corresponding to the categories indicated in 4.

SIST/TC POD Prenapetostni odvodniki

SIST EN 61643-31:2019/AC:2022
2022-09 (po) (en,fr) 4 str. (AC)
Nizkonapetostne naprave za zaščito pred prenapetostnimi udari - 31. del: Zahteve in preskusne metode za SPD za fotonapetostne inštalacije - Popravek AC
Low-voltage surge protective devices - Part 31: Requirements and test methods for SPDs for photovoltaic installations
Osnova: EN 61643-31:2019/AC:2022-07
ICS: 29.120.50, 27.160

Popravek k standardu SIST EN 61643-31:2019.
This part of IEC 61643 is applicable to Surge Protective Devices (SPDs), intended for surge protection against indirect and direct effects of lightning or other transient overvoltages.
These devices are designed to be connected to the DC side of photovoltaic installations rated up to 1 500 V DC.
These devices contain at least one non-linear component and are intended to limit surge voltages and divert surge currents. Performance characteristics, safety requirements, standard methods for testing and ratings are established.
SPDs complying with this standard are exclusively dedicated to be installed on the DC side of photovoltaic generators and the DC side of inverters.
SPDs for PV systems with energy storage (e.g. batteries, capacitor banks) are not covered.
SPDs with separate input and output terminals that contain specific series impedance between these terminal(s) (so called two-port SPDs according to IEC 61643-11:2011) are not covered.
SPDs compliant with this standard are designed to be permanently connected where connection and disconnection of fixed SPDs can only be done using a tool. This standard does not apply to portable SPDs
NOTE 1 In general SPDs for PV applications do not contain a specific series impedance between the input/output terminals due to power efficiency considerations.
NOTE 2 Wherever reference is made to the electric power system or the power system within this document, this refers to the DC side of the photovoltaic installation.

SIST/TC POH Pohištvo

SIST EN 14749:2016+A1:2022 SIST EN 14749:2016/kFprA1:2021
SIST EN 14749:2016
2022-09 (po) (en;fr;de) 37 str. (H)
Pohištvo - Shranjevalne enote za domačo uporabo in kuhinje ter kuhinjske delovne plošče - Varnostne zahteve in preskusne metode
Furniture - Domestic and kitchen storage units and kitchen-worktops - Safety requirements and test methods
Osnova: EN 14749:2016+A1:2022
ICS: 97.140, 97.040.10

This European Standard specifies safety requirements and test methods for all types of kitchen and bathroom storage units and domestic storage furniture and their components.
It does not apply to non-domestic storage, office storage, industrial storage, catering equipment, retail storage and industrial storage lockers.
It does not apply to units covered by EN 71 1, Safety of toys - Part 1: Mechanical and physical properties and EN 60065, Audio, video and similar electronic apparatus - Safety requirements (IEC 60065).
It does not include requirements for the resistance to ageing, degradation, flammability and electrical safety.
Safety that is dependent upon the structure of the building is not included, e.g. the strength of wall hanging units includes only the cabinet and its components including wall attachment devices. The wall and the wall attachments are not included.
Annex A (normative) contains additional test methods.

Annex B (informative) contains a guide to testing of units and components according to this document.
Annex C (informative) contains an example of loading of wall hanging units.
Annex D (informative) contains a method for calculation of vertical and horizontal acting forces.

SIST-TS CEN/TS 16209:2022 SIST-TS CEN/TS 16209:2012
2022-09 (po) (en;fr;de) 10 str. (C)
Pohištvo - Razvrstitev glede na lastnosti površine pohištva
Furniture - Classification for properties for furniture surfaces
Osnova: CEN/TS 16209:2022
ICS: 97.140

This Technical Specification specifies a system for the classification of the resistance to:
- Dry heat
- Wet heat
- Cold liquids
- Abrasion
- Scratching
- Microscratching

The classification applies to foils, laminates, melamine faced boards, pigmented and transparent acquers. The classification for the resistance to cold liquids also applies to oils and waxes.
The following classification does not apply to leather surfaces.

SIST/TC POZ Požarna varnost

SIST EN 13823:2020+A1:2022 SIST EN 13823:2020
SIST EN 13823:2020/kprA1:2022
2022-09 (po) (en;fr;de) 101 str. (N)
Preskusi odziva gradbenih proizvodov na ogenj - Gradbeni proizvodi razen talnih oblog, izpostavljeni toplotnemu delovanju enega samega gorečega predmeta (vključno z dopolnilom A1)
Reaction to fire tests for building products - Building products excluding floorings exposed to the thermal attack by a single burning item
Osnova: EN 13823:2020+A1:2022
ICS: 91.100.01, 91.060.01, 13.220.50

This document specifies a method of test for determining the reaction to fire performance of construction products excluding floorings, and excluding products which are indicated in Delegated Regulation (EU) 2016/364, when exposed to thermal attack by a single burning item (SBI). The calculation procedures are given in Annex A. Information on the precision of the test method is given in Annex B. The calibration procedures are given in Annexes C and D, of which Annex C is a normative annex.
NOTE This document has been developed to determine the reaction to fire performance of essentially flat products. The treatment of some families of products, e.g. linear products (pipes, ducts, cables etc.), can need special rules.

SIST-TS CEN/TS 12101-11:2022
2022-09 (po) (en;fr;de) 51 str. (J)
Sistemi za nadzor dima in toplote - 11. del: Prezračevalni sistemi z vodoravnim tokom za zaprta parkirišča
Smoke and heat control systems - Part 11: Horizontal flow powered ventilation systems for enclosed car parks
Osnova: CEN/TS 12101-11:2022
ICS: 13.220.20, 91.140.30

(1) This technical specification gives minimum design, installation and commissioning requirements for powered smoke and heat control systems for enclosed car parks using horizontal flow powered

ventilation, with or without sprinkler protection, on one or more levels, for cars and light commercial vehicles (max 3,5 t), to reach the design objectives outlined in this technical specification.
see design objectives in CEN TC191 SC1 doc. N721, 5.1 (1):
For any fire location, the system shall keep at least one access route sufficiently clear of smoke for fire-fighters from the exterior or from a protected access route (e.g. stairwell) to a distance of 15 m from the front of the fire. Criteria should be verified when the conditions within the car park have reached a steady-state regime.
NOTE: The limit of 15 m is necessary to reach the fire with the jet from the hose nozzle.
(2) This technical specification is applicable for fires of cars powered by petrol or diesel or other fuels which will have a fire performance similar to vehicles powered by petrol or by electricity. It is not applicable for other fires within the car park (e.g. storage).
NOTE: It is assumed that cars powered by fuels other than petrol or diesel will have a fire performance similar to vehicles powered by petrol or diesel.
(3) This technical specification only covers traditional car parks that are with cars parked alongside each other with common access roadways/lanes for cars to be driven in and out. It does not cover other forms of car parking systems, such as stacking systems. Smoke and heat control systems for vehicles more than 3,5 t (lorry parks, coach parks, etc.) are not covered by this technical specification.
(4) This technical specification does not cover requirements for day-to-day ventilation.
(5) Any other risks than fire from cars are not covered by this technical specification.

SIST/TC PVS Fotonapetostni sistemi

SIST EN IEC 62108:2022 SIST EN 62108:2017
2022-09 (po) (en) 54 str. (J)
Koncentratorski fotonapetostni (CPV) moduli in sestavi - Ocena zasnove in odobritev tipa
Concentrator photovoltaic (CPV) modules and assemblies - Design qualification and type approval
Osnova: EN IEC 62108:2022
ICS: 27.160

This International Standard specifies the minimum requirements for the design qualification and type approval of concentrator photovoltaic (CPV) modules and assemblies suitable for long-term operation in general open-air climates as defined in IEC 60721-2-1. The test sequence is partially based on that specified in IEC 61215-1 for the design qualification and type approval of flat-plate terrestrial crystalline silicon PV modules. However, some changes have been made to account for the special features of CPV receivers and modules, particularly with regard to the separation of on-site and in-lab tests, effects of tracking alignment, high current density, and rapid temperature changes, which have resulted in the formulation of some new test procedures or new requirements.
The object of this test standard is to determine the electrical, mechanical, and thermal characteristics of the CPV modules and assemblies and to show, as far as possible within reasonable constraints of cost and time, that the CPV modules and assemblies are capable of withstanding prolonged exposure in climates described in the scope. The actual life of CPV modules and assemblies so qualified will depend on their design, production, environment, and the conditions under which they are operated.
This standard shall be used in conjunction with the retest guidelines described in Annex B.

SIST/TC SKA Stikalni in krmilni aparati

SIST EN IEC 62271-102:2018/A1:2022
2022-09 (po) (en) 6 str. (B)
Visokonapetostne stikalne in krmilne naprave - 102. del: Ločilna stikala za izmenični tok in ozemljitvena stikala - Dopolnilo A1 (IEC 62271-102:2018/AMD1:2022)
High-voltage switchgear and controlgear - Part 102: Alternating current disconnectors and earthing switches (IEC 62271-102:2018/AMD1:2022)
Osnova: EN IEC 62271-102:2018/A1:2022
ICS: 29.130.10

Amandma A1:2022 je dodatek k standardu SIST EN IEC 62271-102:2018.
This part of IEC 62271 applies to alternating current disconnectors and earthing switches, designed for indoor and outdoor installations for nominal voltages above 1 000 V and for service frequencies up to and including 60 Hz.
It also applies to the operating devices of these disconnectors and earthing switches and their auxiliary equipment.
Additional requirements for disconnectors and earthing switches in enclosed switchgear and controlgear are given in IEC 62271-200, IEC 62271-201 and IEC 62271-203.
NOTE Disconnectors in which the fuse forms an integral part are not covered by this standard. This document is also applicable to switching devices having disconnecting and/or earthing functionalities apart from other functions, such as high-speed earthing switch, circuit-breaker and switch-disconnector.

SIST/TC SPN Storitve in protokoli v omrežjih

SIST EG 203 499 V2.1.1:2022
2022-09 (po) (en) 375 str. (Z)
Človeški dejavniki (HF) - Uporabniško usmerjeno izrazoslovje za sedanje in prihodnje naprave, storitve in aplikacije IKT
Human Factors (HF) - User-centred terminology for existing and upcoming ICT devices, services and applications
Osnova: ETSI EG 203 499 V2.1.1 (2022-07)
ICS: 33.040.01

The present document aims at further simplifying end-user access to ICT devices, services, and applications by providing recommended terms for basic and commonly-used ICT-related objects and activities, notably those terms that end users are commonly exposed to. Recommended terms are provided in 19 languages: Bulgarian, Croatian, Czech, Danish, Dutch, English, Finnish, French, German, Greek, Hungarian, Italian, Norwegian, Polish, Portuguese, Romanian, Slovak, Spanish, and Swedish (as spoken in their respective European countries). The recommended terms apply to mobile ICT devices and mobile applications (whether they are standalone or provide access to related services) commonly found in mobile ICT devices. Though developed in a mobile ICT context, most of the recommended terms are applicable to both mobile and fixed-network devices, services, and applications. The recommended terms are applicable to the User Interface (UI) design for a product as well as that of any user documentation accompanying it. User requirements, industry-originated documents, and, when available, results of standardization work have been considered and integrated in the present document, providing implementation-oriented guidance. Wherever possible, a Design-for-All approach has been adopted, taking functional abilities of users, including elderly users and users with cognitive, physical, or sensory limitations into account. The present document does not provide design guidance, nor does it intend to restrict the ability of market players to further improve and develop their devices and services. Neither does it intend to limit their options to trademark user interface elements or profile the user experience of brand-specific user interface implementations as a competitive edge.

SIST ES 202 396-1 V1.8.1:2022
2022-09 (po) (en) 63 str. (K)
Kakovost prenosa govora in večpredstavnih vsebin (STQ) - Kakovost govora v prisotnosti šuma ozadja - 1. del: Simulacijska tehnika šuma ozadja in podatkovna zbirka šumov ozadja
Speech and multimedia Transmission Quality (STQ) - Speech quality performance in the presence of background noise - Part 1: Background noise simulation technique and background noise database
Osnova: ETSI ES 202 396-1 V1.8.1 (2022-05)
ICS: 33.040.35

The quality of background noise transmission is an important factor, which significantly contributes to the perceived overall quality of speech. Existing and even more the new generation of terminals, networks and system configurations including broadband services can be greatly improved with a proper design of terminals and systems in the presence of background noise. The present document:

• describes a noise simulation environment using realistic background noise scenarios for laboratory use;
• contains a database including the relevant background noise samples for subjective and objective evaluation.
The present document provides information about the recording techniques needed for background noise recordings and discusses the advantages and drawbacks of existing methods. The present document describes the requirements for laboratory conditions. The loudspeaker setup and the loudspeaker calibration and equalization procedure are described.
The simulation environment specified can be used for the evaluation and optimization of terminals and of complex configurations including terminals, networks and other configurations. The main application areas should be: office, home and car environment.
The setup and database as described in the present document are applicable for:
• Objective performance evaluation of terminals in different (simulated) background noise environments.
• Speech processing evaluation by using the pre-processed speech signal in the presence of background noise, recorded by a terminal.
• Subjective evaluation of terminals by performing conversational tests, specific double talk tests or talking and listening tests in the presence of background noise.
• Subjective evaluation in third party listening tests by recording the speech samples of terminals in the presence of background noise.

SIST ES 202 738 V1.8.2:2022
2022-09 (po) (en) 51 str. (J)
Kakovost prenosa govora in večpredstavnih vsebin (STQ) - Prenosne zahteve za ozkopasovne zvočniške in prostoročne terminale VoIP glede na kakovost storitev (QoS), kot jo dojema uporabnik
Speech and multimedia Transmission Quality (STQ) - Transmission requirements for narrowband VoIP loudspeaking and handsfree terminals from a QoS perspective as perceived by the user
Osnova: ETSI ES 202 738 V1.8.2 (2022-05)
ICS: 33.050.01

The present document provides speech transmission performance requirements for narrowband VoIP loudspeaking and hands-free terminals; it addresses all types of IP based terminals, including wireless, softphones and group audio terminals. DECT terminals are covered in ETSI EN 300 175-8 [i.6] and ETSI EN 300 176-2 [i.7]. In contrast to other standards which define minimum performance requirements it is the intention of the present document to specify terminal equipment requirements which enable manufacturers and service providers to enable good quality end-to-end speech performance as perceived by the user. In addition to basic testing procedures, the present document describes advanced testing procedures taking into account further quality parameters as perceived by the user. NOTE: The present document does not concern headset terminals.

SIST ES 202 740 V1.8.2:2022
2022-09 (po) (en) 50 str. (I)
Kakovost prenosa govora in večpredstavnih vsebin (STQ) - Prenosne zahteve za širokopasovne zvočniške in prostoročne terminale VoIP glede na kakovost storitev (QoS), kot jo dojema uporabnik
Speech and multimedia Transmission Quality (STQ) - Transmission requirements for wideband VoIP loudspeaking and handsfree terminals from a QoS perspective as perceived by the user
Osnova: ETSI ES 202 740 V1.8.2 (2022-05)
ICS: 33.050.01

The present document provides speech transmission performance requirements for 8 kHz wideband VoIP loudspeaking and hands-free terminals; it addresses all types of IP based terminals, including wireless, softphones and group audio terminals. DECT terminals are covered in ETSI EN 300 175-8 [i.6] and ETSI EN 300 176-2 [i.7]. In contrast to other standards which define minimum performance requirements it is the intention of the present document to specify terminal equipment requirements which enable manufacturers and service providers to enable good quality end-to-end speech performance as perceived by the user. In addition to basic testing procedures, the present document describes advanced testing procedures taking into account further quality parameters as perceived by the user. NOTE: The present document does not concern headset terminals.

SIST ES 202 782 V1.4.1:2022
2022-09 (po) (en) 37 str. (H)
Metode za preskušanje in specificiranje (MTS) - 3. različica preskušanja in zapisa krmilnih preskusov - Razširitev nabora jezikov TTCN-3: zmogljivost in realnočasovno preskušanje
Methods for Testing and Specification (MTS) - The Testing and Test Control Notation version 3 - TTCN-3 Language Extensions: Performance and Real Time Testing
Osnova: ETSI ES 202 782 V1.4.1 (2022-06)
ICS: 35.060

The present document defines the real time and performance testing support package of TTCN-3. TTCN-3 can be used for the specification of all types of reactive system tests over a variety of communication ports. Typical areas of application are protocol testing (including mobile and Internet protocols), service testing (including supplementary services), module testing, testing of OMG CORBA based platforms, APIs, etc. TTCN-3 is not restricted to conformance testing and can be used for many other kinds of testing including interoperability, robustness, regression, system and integration testing. The specification of test suites for physical layer protocols is outside the scope of the present document.
TTCN-3 packages are intended to define additional TTCN-3 concepts, which are not mandatory as concepts in the TTCN-3 core language, but which are optional as part of a package which is suited for dedicated applications and/or usages of TTCN-3.
While the design of TTCN-3 package has taken into account the consistency of a combined usage of the core language with a number of packages, the concrete usages of and guidelines for this package in combination with other packages is outside the scope of the present document.

SIST ES 203 119-1 V1.6.1:2022
2022-09 (po) (en) 118 str. (N)
Metode za preskušanje in specificiranje (MTS) - Jezik za opis preskusa (TDL) - 1. del: Abstraktna skladnja in pripadajoče pomenoslovje
Methods for Testing and Specification (MTS) - The Test Description Language (TDL) - Part 1: Abstract Syntax and Associated Semantics
Osnova: ETSI ES 203 119-1 V1.6.1 (2022-05)
ICS: 35.060

The present document specifies the abstract syntax of the Test Description Language (TDL) in the form of a meta-model based on the OMG® Meta Object Facility™ (MOF) [1]. It also specifies the semantics of the individual elements of the TDL meta-model. The intended use of the present document is to serve as the basis for the development
of TDL concrete syntaxes aimed at TDL users and to enable TDL tools such as documentation generators, specification analysers and code generators.
The specification of concrete syntaxes for TDL is outside the scope of the present document. However, for illustrative purposes, an example of a possible textual syntax together with its application on some existing ETSI test descriptions are provided.
NOTE: OMG®, UML®, OCL™ and UTP™ are the trademarks of OMG (Object Management Group). This information is given for the convenience of users of the present document and does not constitute an endorsement by ETSI of the products named.

SIST ES 203 119-2 V1.5.1:2022
2022-09 (po) (en) 60 str. (J)
Metode za preskušanje in specificiranje (MTS) - Jezik za opis preskusa (TDL) - 2. del: Grafična skladnja
Methods for Testing and Specification (MTS) - The Test Description Language (TDL) - Part 2: Graphical Syntax
Osnova: ETSI ES 203 119-2 V1.5.1 (2022-05)
ICS: 35.060

The present document specifies the concrete graphical syntax of the Test Description Language (TDL). The intended use of the present document is to serve as the basis for the development of graphical TDL tools and TDL specifications.
The meta-model of TDL and the meanings of the meta-classes are described in ETSI ES 203 119-1 [1].

NOTE: OMG®, UML®, OCL™ and UTP™ are the trademarks of OMG (Object Management Group). This information is given for the convenience of users of the present document and does not constitute an endorsement by ETSI of the products named.

SIST ES 203 119-3 V1.5.1:2022
2022-09 (po) (en) 21 str. (F)
Metode za preskušanje in specificiranje (MTS) - Jezik za opis preskusa (TDL) - 3. del: Format izmenjave
Methods for Testing and Specification (MTS) - The Test Description Language (TDL) - Part 3: Exchange Format
Osnova: ETSI ES 203 119-3 V1.5.1 (2022-05)
ICS: 35.060

The present document specifies the exchange format of the Test Description Language (TDL) in the form of an XML Schema derived from the TDL meta-model [1]. The intended use of the present document is to serve as the specification of the format used for exchange of model instances and tool interoperability between TDL-compliant tools.
NOTE: OMG®, UML®, OCL™ and UTP™ are the trademarks of OMG (Object Management Group). This information is given for the convenience of users of the present document and does not constitute an endorsement by ETSI of the products named.

SIST ES 203 119-4 V1.5.1:2022
2022-09 (po) (en) 78 str. (L)
Metode za preskušanje in specificiranje (MTS) - Jezik za opis preskusa (TDL) - 4. del: Specifikacija cilja strukturiranega preskušanja (razširitev)
Methods for Testing and Specification (MTS) - The Test Description Language (TDL) - Part 4: Structured Test Objective Specification (Extension)
Osnova: ETSI ES 203 119-4 V1.5.1 (2022-05)
ICS: 35.060

The present document specifies an extension of the Test Description Language (TDL) enabling the specification of structured test objectives. The extension covers the necessary additional constructs in the abstract syntax, their semantics, as well as the concrete graphical syntactic notation for the added constructs. In addition textual syntax examples of the TDL Structured Test Objectives extensions as well as BNF rules for a textual syntax for TDL with the Structured Test Objectives extensions are provided. The intended use of the present document is to serve both as a foundation for TDL tools implementing support for the specification of structured test objectives, as well as a reference for end users applying the standardized syntax for the specification of structured test objectives with TDL.
NOTE: OMG®, UML®, OCL™ and UTP™ are the trademarks of OMG (Object Management Group). This information is given for the convenience of users of the present document and does not constitute an endorsement by ETSI of the products named.

SIST ES 203 119-6 V1.3.1:2022
2022-09 (po) (en) 69 str. (K)
Metode za preskušanje in specificiranje (MTS) - Jezik za opis preskusa (TDL) - 6. del: Preslikava v TTCN-3
Methods for Testing and Specification (MTS) - The Test Description Language (TDL) - Part 6: Mapping to TTCN-3
Osnova: ETSI ES 203 119-6 V1.3.1 (2022-05)
ICS: 35.060

The present document specifies how the elements of the Test Description Language (TDL) should be mapped to Testing and Test Control Notation version 3 (TTCN-3) [2]. The intended use of the present document is to serve as the basis for the development of TDL tools. The meta-model of TDL and the meanings of the meta-classes are described in ETSI ES 203 119-1 [1].

SIST ES 203 119-7 V1.3.1:2022
2022-09 (po) (en) 23 str. (F)
Metode za preskušanje in specificiranje (MTS) - Jezik za opis preskusa (TDL) - 7. del: Razširjene preskusne konfiguracije
Methods for Testing and Specification (MTS) - The Test Description Language (TDL) - Part 7: Extended Test Configurations
Osnova: ETSI ES 203 119-7 V1.3.1 (2022-05)
ICS: 35.060

The present document defines extensions to the Test Description Language (TDL) to support the re-use of test configurations.
NOTE: OMG®, UML®, OCL™ and UTP™ are the trademarks of OMG (Object Management Group). This information is given for the convenience of users of the present document and does not constitute an endorsement by ETSI of the products named.

SIST ES 203 119-8 V1.1.1:2022
2022-09 (po) (en) 65 str. (K)
Metode za preskušanje in specificiranje (MTS) - Jezik za opis preskusa (TDL) - 8. del: Besedilna sintaksa
Methods for Testing and Specification (MTS) - The Test Description Language (TDL) - Part 8: Textual Syntax
Osnova: ETSI ES 203 119-8 V1.1.1 (2022-05)
ICS: 35.060

The present document specifies the concrete textual syntax of the Test Description Language (TDL). The intended use of the present document is to serve as the basis for the development of textual TDL tools and TDL specifications. The meta-model of TDL and the meanings of the meta-classes are described in ETSI ES 203 119-1 [1].
NOTE: OMG®, UML®, OCL™ and UTP™ are the trademarks of OMG (ObjectManagement Group). This information is given for the convenience of users of the present document and does not constitute an endorsement by ETSI of the products named.

SIST/TC SPO Šport

SIST EN 13451-3:2022 SIST EN 13451-3:2011+A3:2016
2022-09 (po) (en;fr;de) 32 str. (G)
Oprema za plavalne bazene - 3. del: Dodatne posebne varnostne zahteve in preskusne metode za bazenski pribor za pripravo vode, vgrajen v javne bazene
Swimming pool equipment - Part 3: Additional specific safety requirements and test methods for inlets and outlets and water/air based water leisure features installed in pools for public use
Osnova: EN 13451-3:2022
ICS: 97.220.10

This document specifies safety requirements and test methods for inlets and outlets for water/air and water/air based leisure features involving water movement, in addition to the general safety requirements of EN 13451-1.
The requirements of this specific standard take priority over those in EN 13451-1.
This part of EN 13451 is applicable to swimming pool equipment installed in pools for public use designed for:
- the introduction and/or extraction of water for treatment or leisure purposes;
- the introduction of air for leisure purposes;
- water leisure features involving the movement of water.

NOTE The above items are identified with the general term devices.

SIST EN 17404:2022
2022-09 (po) (en;fr;de) 18 str. (E)
Kolesa - Kolesa z električnim pomožnim pogonom - Gorska kolesa EPAC
Cycles - Electrically power assisted cycles - EPAC Mountain bikes
Osnova: EN 17404:2022
ICS: 43.150, 43.120

For the purpose of this document the scope of EN 15194:2017 is applicable with the following addition. This document specifies specific requirements applicable to EPAC Mountain bikes. EPAC-MTB category 5 according to EN 17406:2020+A1:2021, Table 1 is not covered by this document.

SIST EN ISO 23537-1:2022 SIST EN ISO 23537-1:2017
SIST EN ISO 23537-1:2017/A1:2018
2022-09 (po) (en;fr;de) 33 str. (H)
Zahteve za spalne vreče - 1. del: Toplotne, masne in dimenzionalne zahteve za spalne vreče, izdelane za mejne temperature –20 °C in več (ISO 23537-1:2022)
Requirements for sleeping bags - Part 1: Thermal, mass and dimensional requirements for sleeping bags designed for limit temperatures of -20°C and higher (ISO 23537-1:2022)
Osnova: EN ISO 23537-1:2022
ICS: 97.200.30

This document specifies the requirements, test methods and other provisions for the labelling of adult sized sleeping bags for use in sports and leisure time activities at a limit temperature ≥ -20 °C regarding thermal characteristics, dimensions and mass. This document describes a method for the assessment of performance in steady-state conditions of a sleeping bag with regard to the protection against cold. NOTE 1 Sleeping bags without homogeneous fillings designed to provide local extra insulation in certain parts pose issues with the calibration and/or test procedure. Ongoing work continues to provide suitable means of establishing temperature ratings. This document does not apply to sleeping bags intended for specific purpose such as military use and extreme climate zone expedition. It does not apply to sleeping bags for children or babies. NOTE 2 No prediction model exists for the determination of the limiting temperatures based on the thermal resistance of the sleeping bag for children and babies. Moreover, such a model for testing cannot be developed because the necessary controlled sleep trials with children or babies in climatic chambers are, out of ethical reasons, not possible.

SIST/TC TLP Tlačne posode

SIST EN 12245:2022 SIST EN 12245:2009+A1:2012
2022-09 (po) (en;fr;de) 65 str. (K)
Premične plinske jeklenke - Popolnoma obvite jeklenke iz kompozitnih materialov
Transportable gas cylinders - Fully wrapped composite cylinders
Osnova: EN 12245:2022
ICS: 23.020.35

This document specifies minimum requirements for the materials, design, construction, prototype testing and routine manufacturing inspections of fully wrapped composite gas cylinders for compressed, liquefied and dissolved gases.
NOTE 1 For the purposes of this document, the word "cylinder" includes tubes (seamless transportable pressure receptacles of a water capacity exceeding 150 litres and of not more than 3 000 litres).
This document is applicable to cylinders that comprise a liner of metallic material (welded or seamless) or non-metallic material (or a mixture thereof), reinforced by a wound composite consisting of fibres of glass, carbon or aramid (or a mixture thereof) embedded in a matrix.
This document is also applicable to composite cylinders without liners.
This document is not applicable to gas cylinders which are partially covered with fibres and commonly called "hoop wrapped" cylinders. For hoop wrapped composite cylinders, see EN 12257.

NOTE 2 This document does not address the design, fitting and performance of removable protective sleeves. Where these are fitted, they are considered separately.
This document is primarily for compressed, liquefied and dissolved gases other than LPG.
NOTE 3 For dedicated LPG cylinders, see EN 14427.

SIST EN 12252:2022 SIST EN 12252:2014
2022-09 (po) (en;fr;de) 35 str. (H)
Oprema in pribor za utekočinjeni naftni plin (UNP) - Oprema cestnih cistern za UNP
LPG equipment and accessories - Equipping of LPG road tankers
Osnova: EN 12252:2022
ICS: 23.020.20, 43.080.10

This European Standard specifies equipment and accessories for road tankers used for the transport of Liquefied Petroleum Gas (LPG) and identifies the equipment that is considered necessary to ensure that filling, transportation and discharge operations can be carried out safely. It specifies the requirements for the assembly of the accessories and the vehicle LPG equipment to the road tanker. This European Standard also identifies additional equipment and accessories that can be used on road tankers carrying LPG.
This European Standard does not preclude the use of alternative designs, materials and equipment testing which provide the same or a higher level of safety. ADR [9] requires that such alternative technical codes be recognised by the competent authority, provided that the minimum requirements of section 6.8.2 of ADR [9] are complied with.
This European Standard does not apply to “tank-containers” or “battery-vehicles” used for the transport of LPG.

SIST EN 12979:2022 SIST EN 12979:2002
2022-09 (po) (en;fr;de) 19 str. (E)
Oprema in pribor za utekočinjeni naftni plin (UNP) - Sistemi za pogon motornih vozil na UNP - Zahteve za vgradnjo
LPG equipment and accessories - Automotive LPG-systems - Installation requirements
Osnova: EN 12979:2022
ICS: 43.060.40

This European Standard specifies the requirements for the installation of automotive LPG components that comply with prEN 12805 and prEN 12806.
These requirements are to ensure safe operation of such components.
This standard does not cover type approval of a LPG motor vehicle.
NOTE Type approval requirements are covered in UN/ECE Regulations and EU legislation.

SIST EN 13094:2020+A1:2022 SIST EN 13094:2020/oprA1:2021
SIST EN 13094:2020
2022-09 (po) (en;fr;de) 96 str. (M)
Cisterne za prevoz nevarnega blaga - Kovinske cisterne z gravitacijskim praznjenjem - Konstruiranje in izdelava (vključuje dopolnilo A1)
Tanks for the transport of dangerous goods - Metallic gravity-discharge tanks - Design and construction
Osnova: EN 13094:2020+A1:2022
ICS: 23.020.20, 13.300

This document specifies requirements for the design and construction of metallic gravity-discharge tanks intended for the carriage of substances having a vapour pressure not exceeding 110 kPa (1,1 bar) (absolute pressure) at 50 °C.
NOTE 1 Gravity-discharge tanks have no maximum working pressure. However, during operation, pressure in the shell may occur, for example due to flow restrictions in vapour recovery systems or opening pressures of breather devices. It is important that these operating pressures do not exceed the test pressure of the tank or 0,5 bar, whichever is the highest.
This document specifies requirements for openings, closures, pipework, mountings for service equipment and structural equipment.

NOTE 2 This document does not specify requirements for items of service equipment other than pipes passing through the shell.
This document is applicable to aircraft refuelers that are used on public roads. It is also applicable to inter-modal tanks (e.g. tank containers and tank swap bodies) for the transport of dangerous goods by road and rail.
NOTE 3 This document is not applicable to fixed rail tank wagons.

SIST EN 14427:2022 SIST EN 14427:2014
2022-09 (po) (en;fr;de) 54 str. (J)
Oprema in pribor za utekočinjeni naftni plin (UNP) - Premične, ponovno polnljive jeklenke iz kompozitnih materialov za UNP - Konstruiranje in izdelava
LPG equipment and accessories - Transportable refillable composite cylinders for LPG - Design and construction
Osnova: EN 14427:2022
ICS: 23.020.35

This European Standard
- specifies minimum requirements for materials, design, construction, prototype testing and routine manufacturing inspections of fully wrapped composite cylinders with a water capacity from 0,5 litre up to and including 150 litres for liquefied petroleum gases (LPG) exposed to ambient temperatures, with a test pressure of at least 30 bar;
- is only applicable to cylinders which are fitted with a pressure relief valve (see 4.1.3);
- is applicable to cylinders with a liner of metallic material (welded or seamless) or non-metallic material (or a mixture thereof), reinforced by fibres of glass, carbon or aramid (or a mixture thereof);
- is also applicable to composite cylinders without liners.
Cylinders manufactured to this European Standard are suitable for temperatures down to −40 °C.
This European Standard does not address the design, fitting and performance of removable protective sleeves. Where these are fitted, the choice of material and sleeve performance should be considered separately.

SIST EN 14912:2022 SIST EN 14912:2015
2022-09 (po) (en;fr;de) 13 str. (D)
Oprema in pribor za utekočinjeni naftni plin (UNP) - Kontrola in vzdrževanje ventilov za jeklenko za UNP v času periodične kontrole jeklenk
LPG equipment and accessories - Inspection and maintenance of LPG cylinder valves at time of periodic inspection of cylinders
Osnova: EN 14912:2022
ICS: 23.020.35, 23.060.40

This European Standard specifies the requirements for inspection and maintenance of LPG cylinder valves, either manually operated or self-closing, for reuse. It applies when the valve is either inspected or refurbished at the time of periodic inspection of the cylinder.
This European Standard may also be applied at any other time, for example, when maintenance of the valve is necessary.

SIST EN 15776:2022 SIST EN 15776:2011+A1:2016
2022-09 (po) (en;fr;de) 42 str. (I)
Nekurjene tlačne posode - Zahteve za konstruiranje in izdelavo tlačnih posod in njihovih delov iz litega železa z raztezkom ob porušitvi, enakim ali manjšim kot 15 %
Unfired pressure vessels - Requirements for the design and fabrication of pressure vessels and pressure vessel parts constructed from cast iron with an elongation after fracture equal or less than 15 %
Osnova: EN 15776:2022
ICS: 77.140.80, 23.020.32

This European Standard specifies requirements for the design, material, manufacturing and testing of pressure vessels and pressure vessel parts made from materials for which details are specified from

the following material standards for specific grades which meet the criterion of an elongation after fracture less than or equal to 15 %:
- EN 1561, Founding - Grey cast irons;
- EN 1563, Founding - Spheroidal graphite cast irons;
- EN 13835, Founding - Austenitic cast irons.

The allowed content of the vessel or pressure part is a fluid of group 2 only, according to the Directive 97/23/EC.

SIST EN 17613:2022
2022-09 (po) (en;fr;de) 15 str. (D)
Oprema in pribor za utekočinjeni naftni plin (UNP) - Cevni sistemi iz kompozitnih materialov za UNP v tekoči in plinski fazi - Konstruiranje in izdelava
LPG equipment and accessories - Composite piping for use with LPG in liquid phase and vapour pressure phase - Design and manufacture
Osnova: EN 17613:2022
ICS: 23.040.01

This European Standard specifies requirements for the design, manufacture and testing of composite piping for use with LPG in liquid phase and vapour pressure phase.
This document is applicable to LPG composite piping having a maximum allowable pressure of less than or equal to 25 bar.

SIST EN ISO 11114-5:2022
2022-09 (po) (en;fr;de) 22 str. (F)
Plinske jeklenke - Združljivost materialov za ventil in jeklenko s plinom - 5. del: Preskusne metode za vrednotenje plastičnih notranjih prevlek (ISO 11114-5:2022)
Gas cylinders - Compatibility of cylinder and valve materials with gas contents - Part 5: Test methods for evaluating plastic liners (ISO 11114-5:2022)
Osnova: EN ISO 11114-5:2022
ICS: 23.020.35

This document specifies the gas compatibility test methods and the evaluation of results from these tests in order to qualify plastic materials suitable for use in the manufacture of composite gas cylinder liners. It may also be used to evaluate the suitability of plastic matrix materials used for Type 5 cylinders.

SIST EN ISO 14246:2022 SIST EN ISO 14246:2014
SIST EN ISO 14246:2014/A1:2018
2022-09 (po) (en;fr;de) 15 str. (D)
Plinske jeklenke - Ventili za plinske jeklenke - Preskusi in pregledi med proizvodnjo (ISO 14246:2022)
Gas cylinders - Cylinder valves - Manufacturing tests and examinations (ISO 14246:2022)
Osnova: EN ISO 14246:2022
ICS: 23.060.40, 23.020.35

This document specifies the procedures and acceptance criteria for manufacturing tests and examinations (sometimes called "initial inspection and tests") of valves designed and type tested in accordance with ISO 10297.
This document is applicable to:
a) cylinder valves intended to be fitted to refillable transportable gas cylinders;
b) main valves (excluding ball valves) for cylinder bundles;
c) cylinder valves or main valves with integrated pressure regulator (VIPR);
d) valves for pressure drums and tubes.
NOTE Where there is no risk of ambiguity, cylinder valves, main valves, VIPR and valves for pressure drums and tubes are addressed with the collective term “valves” within this document.
The principles of these manufacturing tests and examinations can be beneficially applied to cylinder valves type tested to national or International Standards other than ISO 10297.

SIST EN ISO 22434:2022 SIST EN ISO 22434:2011
2022-09 (po) (en;fr;de) 15 str. (D)
Plinske jeklenke - Pregled in vzdrževanje ventilov za jeklenke (ISO 22434:2022)
Gas cylinders - Inspection and maintenance of valves (ISO 22434:2022)
Osnova: EN ISO 22434:2022
ICS: 23.060.01, 23.020.35

This document specifies requirements for the inspection and maintenance of valves [including ball valves and valves with integrated pressure regulator (VIPRs)] for: a) refillable transportable gas cylinders; b) cylinder bundles; c) pressure drums and tubes; which convey compressed, liquefied or dissolved gases. This document does not apply to valves for liquefied petroleum gas (LPG). NOTE Where there is no risk of ambiguity, gas cylinders, cylinder bundles, pressure drums and tubes are addressed with the collective term “gas cylinders” within this document. This document is applicable to valves reused at the time of the periodic inspection of gas cylinders, cylinder bundles, pressure drums and tubes, and can be applied at any other time, e.g. at a change of gas service (see ISO 11621). This document does not apply to the routine inspection of valves, e.g. carried out at the time of a gas cylinder filling.

SIST/TC TOP Toplota

SIST EN ISO 12241:2022 SIST EN ISO 12241:2008
2022-09 (po) (en;fr;de) 60 str. (J)
Toplotna izolacija za opremo stavb in industrijske inštalacije - Pravila za računanje (ISO 12241:2022)
Thermal insulation for building equipment and industrial installations - Calculation rules (ISO 12241:2022)
Osnova: EN ISO 12241:2022
ICS: 91.140.01, 91.120.10

This document gives rules for the calculation of heat-transfer-related properties of building equipment and industrial installations, predominantly under steady-state conditions. This document also gives a simplified approach for the calculation of thermal bridges.

SIST EN ISO 24194:2022
2022-09 (po) (en;fr;de) 38 str. (H)
Sončna energija - Polja sprejemnikov sončne energije - Preverjanje zmogljivosti (ISO 24194:2022)
Solar energy - Collector fields - Check of performance (ISO 24194:2022)
Osnova: EN ISO 24194:2022
ICS: 27.160

This document specifies a procedure to check a guaranteed performance of large collector fields. The collectors in the field can be glazed flat plate collectors or evacuated tube collectors.
The performance guaranteed and checked is the thermal power output of the collector field – the document specifies how to compare a measured output with a calculated one.
The document applies for all sizes of collector fields.

SIST/TC TPD Tekoči in plinasti dielektriki

SIST EN IEC 60475:2022 SIST EN 60475:2012
2022-09 (po) (en) 32 str. (G)
Metoda vzorčenja izolacijskih tekočin
Method of sampling insulating liquids
Osnova: EN IEC 60475:2022
ICS: 29.040.01

This document is applicable to the sampling procedure used for insulating liquids in delivery containers and in electrical equipment such as power and instrument transformers, reactors, bushings, oil-filled cables, oil-filled tank-type capacitors, switchgear and load tap changers (LTCs).
This document applies to liquids the viscosity of which at the sampling temperature is less than 1 500 mm2/s (or cSt). It applies to mineral oils and non-mineral oils (such as synthetic esters, natural esters, vegetable oils or silicones).

SIST EN IEC 60599:2022 SIST EN 60599:2016
2022-09 (po) (en) 42 str. (I)
Električna oprema, polnjena z mineralnim oljem, v delovanju - Vodilo za tolmačenje rezultatov analize raztopljenih in prostih plinov
Mineral oil-filled electrical equipment in service - Guidance on the interpretation of dissolved and free gases analysis
Osnova: EN IEC 60599:2022
ICS: 29.040.10

This document describes how the concentrations of dissolved gases or free gases can be interpreted to diagnose the condition of oil-filled electrical equipment in service and suggest future action. This document is applicable to electrical equipment filled with mineral insulating oil and insulated with cellulosic paper or pressboard-based solid insulation. Information about specific types of equipment such as transformers (power, instrument, industrial, railways, distribution), reactors, bushings, switchgear and oil-filled cables is given only as an indication in the application notes. This document can be applied, but only with caution, to other liquid-solid insulating systems. In any case, the indications obtained are given only as guidance with resulting action undertaken only with proper engineering judgment.

SIST/TC TRM Terminologija

SIST IEC 60050-161:1999/A6:2022
2022-09 (po) (en,fr) 4 str. (A)
Mednarodni elektrotehniški slovar - 161. del: Elektromagnetna združljivost - Dopolnilo A6
International electrotechnical vocabulary - Part 161: Electromagnetic compatibility
Osnova: IEC 60050-161:1990/AMD6:2016
ICS: 33.100.01, 29.020, 01.040.29

Amandma A6:2022 je dodatek k standardu SIST IEC 60050-161:1999.

SIST/TC UZO Upravljanje z okoljem

SIST EN ISO 14015:2022 SIST EN ISO 14015:2010
2022-09 (po) (en) 37 str. (H)
Ravnanje z okoljem - Smernice za natančno okoljsko ocenjevanje (ISO 14015:2022)
Environmental management - Guidelines for Environmental Due Diligence Assessment (ISO 14015:2022)
Osnova: EN ISO 14015:2022
ICS: 13.020.10

This document gives guidance on how to conduct an environmental due diligence (EDD) assessment through a systematic process of identifying environmental aspects, issues and conditions as well as determining, if appropriate, their business consequences.
This document does not provide guidance on how to conduct other types of environmental assessment, such as:
a) environmental audits;
b) environmental impact assessments;
c) environmental performance, efficiency, or reliability assessment;

d) intrusive environmental investigations and remediation.

SIST/TC VAR Varjenje

SIST EN ISO 17405:2022 SIST EN ISO 17405:2014
2022-09 (po) (en;fr;de) 18 str. (E)
Neporušitveno preskušanje - Ultrazvočno preskušanje - Tehnika preskušanja oblog, pripravljenih z varjenjem, valjanjem in eksplozijo (ISO 17405:2022)
Non-destructive testing - Ultrasonic testing - Technique of testing claddings produced by welding, rolling and explosion (ISO 17405:2022)
Osnova: EN ISO 17405:2022
ICS: 19.100

This document specifies the techniques for manual ultrasonic testing of claddings on steel applied by welding, rolling and explosion using single-transducer or dual-transducer probes.
The test is intended to cover detection of two-dimensional or three-dimensional discontinuities in the cladding and in the region of the interface.
This document does not give acceptance criteria nor define the extent of testing.

SIST EN ISO 17639:2022 SIST EN ISO 17639:2013
2022-09 (po) (en;fr;de) 16 str. (D)
Porušitveno preskušanje zvarnih spojev na kovinskih materialih - Makroskopska in mikroskopska preiskava zvarov (ISO 17639:2022)
Destructive tests on welds in metallic materials - Macroscopic and microscopic examination of welds (ISO 17639:2022)
Osnova: EN ISO 17639:2022
ICS: 25.160.40

This document gives recommendations for specimen preparation, test procedures and their main objectives for macroscopic and microscopic examination.

SIST EN ISO 18278-1:2022 SIST EN ISO 14327:2004
SIST EN ISO 18278-1:2015
2022-09 (po) (en;fr;de) 22 str. (F)
Uporovno varjenje - Varivost - 1. del: Splošne zahteve za vrednotenje varivosti pri uporovnem točkovnem, kolutnem in bradavičnem varjenju kovinskih materialov (ISO 18278-1:2022)
Resistance welding - Weldability - Part 1: General requirements for the evaluation of weldability for resistance spot, seam and projection welding of metallic materials (ISO 18278-1:2022)
Osnova: EN ISO 18278-1:2022
ICS: 25.160.10

This document specifies procedures for assessing the generic weldability for resistance spot, seam and projection welding of uncoated and coated metals.
The purpose of the tests described in this document are to
a) compare the metallurgical weldability of different metals,
b) assess the weldability of differing component designs, e.g. dimensional configuration, stack-up, projection geometry, etc.,
c) investigate the effect of changes in welding parameters such as welding current, weld time, electrode force or complex welding schedules including pulse welding, current stepping etc. on weldability, and/or
d) compare the performance of resistance welding equipment.
Precise details of the test procedure to be used depend on which aspect of items a) to d) will be evaluated relative to the welding result obtained.

SIST EN ISO 4136:2022 SIST EN ISO 4136:2013
2022-09 (po) (en;fr;de) 17 str. (E)
Porušitveno preskušanje zvarnih spojev na kovinskih materialih - Prečni natezni preskus (ISO 4136:2022)
Destructive tests on welds in metallic materials - Transverse tensile test (ISO 4136:2022)
Osnova: EN ISO 4136:2022
ICS: 25.160.40

This document specifies the sizes of test specimen and the procedure for carrying out transverse tensile tests in order to determine the tensile strength and the location of fracture of a welded butt joint. This document applies to metallic materials in all forms of product with joints made by any welded butt joint.

SIST EN ISO 9016:2022 SIST EN ISO 9016:2013
2022-09 (po) (en;fr;de) 15 str. (D)
Porušitveno preskušanje zvarnih spojev na kovinskih materialih - Udarni preskusi - Položaj preskušanca, smer zareze in preiskava (ISO 9016:2022)
Destructive tests on welds in metallic materials - Impact tests - Test specimen location, notch orientation and examination (ISO 9016:2022)
Osnova: EN ISO 9016:2022
ICS: 25.160.40

This document specifies the method to be used when describing test specimen location and notch orientation for the testing and reporting of impact tests on welded butt joints. This document applies to impact tests on metallic materials in all forms of product made by any fusion and pressure welding process. It is used in addition to the ISO 148 series and includes test specimen denomination and additional reporting requirements.

SIST-TP CEN ISO/ASTM/TR 52906:2022
2022-09 (po) (en;fr;de) 28 str. (G)
Aditivna proizvodnja - Neporušitveno preskušanje - Namerno vnešene nepravilnosti v kovinskih delcih (ISO/ASTM TR 52906:2022)
Additive manufacturing - Non-destructive testing - Intentionally seeding flaws in metallic parts (ISO/ASTM TR 52906:2022)
Osnova: CEN ISO/ASTM/TR 52906:2022
ICS: 19.100, 25.030

This document is intended to serve as a best practice for the identification and “seeding” of nondestructively detectable flaw replicas of metal alloy PBF-LB and DED processes. Three seeding categories are described: 1. process flaws through CAD design, 2. build parameter manipulation, 3. subtractive manufacturing, and 4. depositing/inserting flaws after processing. These include flaws present within as-deposited materials, post heat-treated or HIP processed material, and those flaws made detectable because of post-processing operations. Geometrical aspects or measurement are not the subjects of this document.

SIST-TP CEN ISO/ASTM/TR 52916:2022
2022-09 (po) (en;fr;de) 33 str. (H)
Aditivna proizvodnja za medicino - Formati datotek - Optimizirani medicinski slikovni posnetki (ISO/ASTM TR 52916:2022)
Additive manufacturing for medical - Data - Optimized medical image data (ISO/ASTM TR 52916:2022)
Osnova: CEN ISO/ASTM/TR 52916:2022
ICS: 11.040.99, 25.030

This standard includes creation of optimized data for Medical Additive Manufacturing (MAM) which is generated from static modalities like Magnetic resonance images (MRI), Computed Tomogram (CT), Positron Emission Tomogram (PET), SPECT and Dynamic modalities like ultrasound and optical imagedata. It addresses medical-specific data quality requirements and medical image data acquisition

processing approaches for accurate solid medical models and devices based on real human information. Also this data can be used for animal surgeries (Veterinary surgery).

SIST-TS CEN ISO/ASTM/TS 52930:2022
2022-09 (po) (en;fr;de) 28 str. (G)
Aditivna proizvodnja - Kvalifikacija - Vgradnja, delovanje in zmogljivost (IQ/OQ/PQ) opreme za posteljne metode z uporabo laserskega žarka (PBF-LB) (ISO/ASTM/TS 52930:2021)
Additive Manufacturing - Qualification principles - Installation, operation and performance (IQ/OQ/PQ) of PBF-LB equipment (ISO/ASTM/TS 52930:2021)
Osnova: CEN ISO/ASTM/TS 52930:2021
ICS: 25.030

This document provides recommended practices for process qualification of metal production parts produced with the powder bed fusion by laser beam process (PBF-LB/M). This document covers only process qualification issues directly related to the AM equipment and does not cover feedstock qualification or post processing beyond powder removal. This guideline addresses IQ, OQ, and PQ issues directly related to the AM machine and connected equipment. Physical facility, personnel, process and material issues are only included to the extent necessary to support machine qualification.

SIST/TC VAZ Varovanje zdravja

SIST EN ISO 11607-1:2020/A11:2022
2022-09 (po) (en;fr;de) 11 str. (C)
Embalaža za končno sterilizirane medicinske pripomočke - 1. del: Zahteve za materiale, sterilne pregradne sisteme in sisteme embalaže - Dopolnilo A11 (ISO 11607-1:2019)
Packaging for terminally sterilized medical devices - Part 1: Requirements for materials, sterile barrier systems and packaging systems (ISO 11607-1:2019)
Osnova: EN ISO 11607-1:2020/A11:2022
ICS: 11.080.30

Amandma A11:2022 je dodatek k standardu SIST EN ISO 11607-1:2020.
This document specifies requirements and test methods for materials, preformed sterile barrier systems, sterile barrier systems and packaging systems that are intended to maintain sterility of terminally sterilized medical devices until the point of use.
It is applicable to industry, to health care facilities, and to wherever medical devices are placed in sterile barrier systems and sterilized.
It does not cover all requirements for sterile barrier systems and packaging systems for medical devices that are manufactured aseptically. Additional requirements can be necessary for drug/device combinations.
It does not describe a quality assurance system for control of all stages of manufacture.
It does not apply to packaging materials and/or systems used to contain a contaminated medical device during transportation of the item to the site of reprocessing or disposal.

SIST EN ISO 11607-2:2020/A11:2022
2022-09 (po) (en;fr;de) 11 str. (C)
Embalaža za končno sterilizirane medicinske pripomočke - 2. del: Zahteve za validacijo pri procesih oblikovanja, označevanja in sestavljanja - Dopolnilo A11 (ISO 11607-2:2019)
Packaging for terminally sterilized medical devices - Part 2: Validation requirements for forming, sealing and assembly processes (ISO 11607-2:2019)
Osnova: EN ISO 11607-2:2020/A11:2022
ICS: 11.080.30

Amandma A11:2022 je dodatek k standardu SIST EN ISO 11607-2:2020.
This document specifies requirements for thedevelopment and validation of processes for packaging medical devices that areterminally sterilized. These processes include forming, sealing and assembly ofpreformed sterile barrier systems, sterile barrier systems and packagingsystems. It is applicable to

industry, to health care facilities, and towherever medical devices are packaged and sterilized. It does not cover allrequirements for packaging medical devices that are manufactured aseptically.Additional requirements can be necessary for drug/device combinations .

SIST EN ISO 12005:2022 SIST EN ISO 12005:2003
2022-09 (po) (en;fr;de) 23 str. (F)
Laserji in laserska oprema - Preskusne metode za parametre laserskega žarka - Polarizacija (ISO 12005:2022)
Lasers and laser-related equipment - Test methods for laser beam parameters - Polarization (ISO 12005:2022)
Osnova: EN ISO 12005:2022
ICS: 31.260

This document specifies a method, which is a relatively quick and simple method with minimum equipment, for determining the polarization status and, whenever possible, the degree of polarization of the beam from a continuous wave (cw) laser. It can also be applied to repetitively pulsed lasers, if their electric field vector orientation does not change from pulse to pulse.
This document also specifies the method for determining the direction of the electric-field vector oscillation in the case of (completely or partially) linearly polarized laser beams. It is assumed that the laser radiation is quasimonochromatic and sufficiently stable for the purpose of the measurement. This document is applicable to radiation that has uniform polarization over its cross-sectional area.
The knowledge of the polarization status can be very important for some applications of lasers with a high divergence angle, for instance when the beam of such a laser shall be coupled with polarization dependent devices (e.g. polarization maintaining fibres). This document is applicable not only for a narrow and almost collimated laser beam but also for highly divergent beams as well as for beams with large apertures.

SIST EN ISO 13696:2022 SIST EN ISO 13696:2002
2022-09 (po) (en;fr;de) 40 str. (H)
Optika in optični instrumenti - Preskusne metode za sevanje, razpršeno z optičnimi komponentami (ISO 13696:2022)
Optics and photonics - Test method for total scattering by optical components (ISO 13696:2022)
Osnova: EN ISO 13696:2022
ICS: 31.260

This document specifies procedures for the determination of the total scattering by coated and uncoated optical surfaces. Procedures are given for measuring the contributions of the forward scattering or backward scattering to the total scattering of an optical component.
This document applies to coated and uncoated optical components with optical surfaces that have a radius of curvature of more than 10 m. Measurement wavelengths covered by this document range from the ultraviolet above 250 nm to the infrared spectral region below 15 µm. For measurements in the deep ultraviolet between 190 nm to 250 nm, specific methods are considered and are described.
Generally, optical scattering is considered as neglectable for wavelengths above 15 µm.

SIST EN ISO 16628:2022
2022-09 (po) (en) 21 str. (F)
Anestezijska in dihalna oprema - Traheobronhialne cevi (ISO 16628:2022)
Anaesthetic and respiratory equipment - Tracheobronchial tubes (ISO 16628:2022)
Osnova: EN ISO 16628:2022
ICS: 11.040.10

This document specifies requirements for safety, materials, design and information supplied with tracheobronchial tubes. These devices are used when isolation of the airways of one or both lungs is required.
Tracheal tubes that include bronchus blockers are excluded from the scope of this document.

SIST EN ISO 21856:2022 SIST EN 12182:2012
SIST EN ISO 16201:2006

2022-09 (po) (en) 64 str. (K)

Tehnični pripomočki - Splošne zahteve in preskusne metode (ISO 21856:2022)

Assistive products - General requirements and test methods (ISO 21856:2022)

Osnova: EN ISO 21856:2022

ICS: 11.180.01

This European Standard specifies general requirements and test methods for assistive products for persons with a disability, which are medical devices according to the definition laid down in the EU Directive 93/42/EEC.

This European Standard does not apply to assistive products which achieve their intended purpose by administering pharmaceutical substances to the user.

Where other European Standards exist for particular types of assistive products then those standards apply. However, some of the requirements of this standard may still apply and may be considered in addition to those in other European standards.

NOTE Not all the items listed in EN ISO 9999 are medical devices. Contracting parties may wish to consider if this standard or parts of this standard can be used for assistive products which are not medical devices as defined in the EU Directive 93/42/EEC.

SIST EN ISO 22683:2022

2022-09 (po) (en;fr;de) 13 str. (D)

Zobozdravstvo - Rotacijski preskus prilagodljivosti med telesom implantata in nosilcem vsadka v sistemih zobnih vsadkov (ISO 22683:2022)

Dentistry - Rotational adaptability test between implant body and implant abutment in dental implant systems (ISO 22683:2022)

Osnova: EN ISO 22683:2022

ICS: 11.060.15

This document specifies a test method to evaluate the rotational adaptability between an implant body and an implant abutment in a dental implant system.

This document is applicable to the implant systems which do not have a friction-fit between implant body and implant abutment but incorporate only an anti-rotational feature between these components. Analog or replica components cannot be used to evaluate the adaptability of dental implant systems.

SIST EN ISO 23371:2022

2022-09 (po) (en) 17 str. (E)

Anestezijska in dihalna oprema - Naprave za merjenje, kontrolo in regulacijo pritiska v balončku (ISO 23371:2022)

Anaesthetic and respiratory equipment - Cuff pressure indication, control and regulation devices (ISO 23371:2022)

Osnova: EN ISO 23371:2022

ICS: 11.040.10

This document specifies essential performance and safety requirements for cuff pressure indicators used to indicate the intracuff pressure of airway devices, such as supralaryngeal airways, tracheal tubes or tracheostomy tubes. This document is also applicable to devices that combine intracuff pressure indication with a method of cuff inflation (such as a syringe or pump). The device can also provide a method of automatically maintaining cuff inflation at a specific pressure or within a pressure range. The requirements specified in this document apply to stand-alone cuff pressure indicators and those integrated into other medical devices (e.g. ventilators, anaesthesia workstations, etc.).

SIST EN ISO 80601-2-13:2022 SIST EN ISO 80601-2-13:2013
SIST EN ISO 80601-2-13:2013/A1:2020
SIST EN ISO 80601-2-13:2013/A2:2020

2022-09 (po) (en) 114 str. (N)

Medicinska električna oprema - 2-13. del: Posebne zahteve za osnovno varnost in bistvene lastnosti delovnega mesta za anestezijo (ISO 80601-2-13:2022)

Medical electrical equipment - Part 2-13: Particular requirements for basic safety and essential performance of an anaesthetic workstation (ISO 80601-2-13:2022)

Osnova: EN ISO 80601-2-13:2022
ICS: 11.040.10

EN-ISO 80601-2-13 is applicable to the basic safety and essential performance of an anaesthetic workstation for administering inhalational anaesthesia whilst continuously attended by a professional operator.This document specifies particular requirements for a complete anaesthetic workstation and the following anaesthetic workstation components which, although considered as individual devices in their own right, may be utilized, in conjunction with other relevant anaesthetic workstation components, to form an anaesthetic workstation to a given specification: - anaesthetic gas delivery system; - anaesthetic breathing system; - anaesthetic gas scavenging system (AGSS); - anaesthetic vapour delivery system; - anaesthetic ventilator; monitoring equipment; - alarm system; - protection device.

SIST EN ISO 8980-3:2022 SIST EN ISO 8980-3:2014

2022-09 (po) (en;fr;de) 42 str. (I)

Očesna optika - Nebrušena zglajena stekla očal - 3. del: Specifikacije za prepustnost in preskusne metode (ISO 8980-3:2022)

Ophthalmic optics - Uncut finished spectacle lenses - Part 3: Transmittance specifications and test methods (ISO 8980-3:2022)

Osnova: EN ISO 8980-3:2022
ICS: 11.040.70

This document specifies requirements for the transmittance properties of uncut and unmounted finished spectacle lenses, including attenuation of solar radiation. This document is not applicable to — spectacle lenses having specific transmittance or absorption characteristics prescribed for medical reasons, — products to which specific personal protective equipment transmittance standards apply, and — products intended for direct observation of the sun, such as for solar-eclipse viewing. NOTE 1 By reference to ISO 21987 and ISO 14889, this document also applies to lenses mounted in spectacles. NOTE 2 Optical and geometric requirements are given for uncut finished spectacle lenses in ISO 8980-1 and ISO 8980-2, and for mounted lenses, in ISO 21987.

SIST EN ISO 9999:2022 SIST EN ISO 9999:2017

2022-09 (po) (en;fr;de) 202 str. (S)

Tehnični pripomočki - Razvrstitev in terminologija (ISO 9999:2022)

Assistive products - Classification and terminology (ISO 9999:2022)

Osnova: EN ISO 9999:2022
ICS: 11.180.01, 01.040.11

This document specifies a classification and terminology of assistive products, especially produced or generally available, for persons to optimize functioning and reduce disability.
Assistive products used by a person to optimize functioning and reduce disability, but which require the assistance of another person for their operation, are included in the classification.
The following items are specifically excluded from this document:
— items used for the installation of assistive products;
— solutions obtained by combinations of assistive products that are individually classified in this document;
— medicines;
— assistive products and instruments used exclusively by healthcare professionals or by teachers;
— non-technical solutions, such as personal assistance, guide dogs or lip-reading;
— implanted devices;
— financial support.

SIST-TS CEN/TS 17811:2022
2022-09 (po) (en;fr;de) 24 str. (F)
Molekularne diagnostične preiskave in vitro - Specifikacije za predpreiskovalne procese pregleda urina in drugih telesnih tekočin - Izolirana brezcelična DNK
Molecular in vitro diagnostic examinations - Specifications for pre-examination processes for urine and other body fluids - Isolated cell free DNA
Osnova: CEN/TS 17811:2022
ICS: 11.100.10

This document specifies requirements and gives recommendations on the handling, storage, processing and documentation of body fluids specimens intended for human cfDNA examination during the pre-examination phase before a molecular examination is performed.
This document is applicable to molecular in vitro diagnostic examinations performed by medical laboratories. It is also intended to be used by health institutions including facilities collecting and handling specimen, laboratory customers, in vitro diagnostics developers and manufacturers, biobanks, institutions and commercial organizations performing biomedical research, and regulatory authorities.
Dedicated measures that need to be taken for cytohistological analysis of body fluid derived nucleated cells are not described in this technical specification. Neither are measures for preserving and handling of pathogens, and other bacterial or whole microbiome DNA in body fluids described.
Different dedicated measures need to be taken for preserving ccfDNA from other body fluids such as blood, lymph and others. These are not described in this document. ccfDNA from blood is covered in EN ISO 20186 3.
NOTE International, national or regional regulations or requirements can also apply to specific topics covered in this document.

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

SIST EN 61770:2009/A12:2022
2022-09 (po) (en;fr) 13 str. (D)
Električne naprave, priključene na vodovod - Preprečevanje povratnega vodnega udara in odpovedi cevnega sestava - Dopolnilo A12
Electric appliances connected to the water mains - Avoidance of backsiphonage and failure of hose-sets
Osnova: EN 61770:2009/A12:2022
ICS: 97.030, 91.140.60

Amandma A12:2022 je dodatek k standardu SIST EN 61770:2009.
This International Standard specifies requirements for appliances for household and similar purposes to prevent the backsiphonage of non-potable water into the water mains. It also specifies requirements for hose-sets used for connecting such appliances to the water mains that supply water at a pressure not exceeding 1 MPa.

SIST EN 62841-3-10:2016/A1:2022
2022-09 (po) (en) 7 str. (B)
Električna motorna ročna orodja, prenosna orodja ter stroji za trato in vrt - Varnost - 3-10. del: Posebne zahteve za premične rezalnike - Dopolnilo A1
Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 3-10: Particular requirements for transportable cut-off machines
Osnova: EN 62841-3-10:2015/A1:2022
ICS: 25.100.01, 25.140.20

Amandma A1:2022 je dodatek k standardu SIST EN 62841-3-10:2016.
Standard applies to transportable cut-off machines intended to cut materials such as metals, concrete and masonry and to be fitted with one abrasive - bonded reinforced wheel of Type 41, or - diamond cut-off wheel with the peripheral gaps, if any, not exceeding 10 mm and with - a rated no-load speed not exceeding a peripheral speed of the wheel of 100 m/s with the maximum wheel diameter and - a wheel

diameter range of 250 mm to 410 mm. This standard does not apply to: - transportable mitre saws; - transportable tile saws; - transportable metal saws.

SIST EN 62841-3-10:2016/A12:2022
2022-09 (po) (en,fr) 8 str. (B)
Električna motorna ročna orodja, prenosna orodja ter stroji za trato in vrt - Varnost - 3-10. del: Posebne zahteve za premične rezalnike - Dopolnilo A12
Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 3-10: Particular requirements for transportable cut-off machines
Osnova: EN 62841-3-10:2015/A12:2022
ICS: 25.100.01, 25.140.20

Amandma A12:2022 je dodatek k standardu SIST EN 62841-3-10:2016.
Standard applies to transportable cut-off machines intended to cut materials such as metals, concrete and masonry and to be fitted with one abrasive - bonded reinforced wheel of Type 41, or - diamond cut-off wheel with the peripheral gaps, if any, not exceeding 10 mm and with - a rated no-load speed not exceeding a peripheral speed of the wheel of 100 m/s with the maximum wheel diameter and - a wheel diameter range of 250 mm to 410 mm. This standard does not apply to: - transportable mitre saws; - transportable tile saws; - transportable metal saws.

SIST EN 62841-3-6:2014/A1:2022
2022-09 (po) (en) 13 str. (D)
Električna motorna ročna orodja, prenosna orodja ter stroji za trato in vrt - Varnost - 3-6. del: Posebne zahteve za premične diamantne svedre s tekočinskim sistemom - Dopolnilo A1
Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 3-6: Particular requirements for transportable diamond drills with liquid system
Osnova: EN 62841-3-6:2014/A1:2022
ICS: 25.080.40, 25.140.20

Amandma A1:2022 je dodatek k standardu SIST EN 62841-3-6:2014.
EN IEC 62841-3-6 applies to transportable diamond drills, intended to be connected to a liquid system. Liquid system may include liquid from a pipe or container.

SIST EN 62841-3-6:2014/A12:2022
2022-09 (po) (en,fr) 9 str. (C)
Električna motorna ročna orodja, prenosna orodja ter stroji za trato in vrt - Varnost - 3-6. del: Posebne zahteve za premične diamantne svedre s tekočinskim sistemom - Dopolnilo A12
Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 3-6: Particular requirements for transportable diamond drills with liquid system
Osnova: EN 62841-3-6:2014/A12:2022
ICS: 25.080.40, 25.140.20

Amandma A12:2022 je dodatek k standardu SIST EN 62841-3-6:2014.
EN IEC 62841-3-6 applies to transportable diamond drills, intended to be connected to a liquid system. Liquid system may include liquid from a pipe or container.

SIST EN 62841-4-2:2019/A1:2022
2022-09 (po) (en) 43 str. (I)
Električna motorna ročna orodja, prenosna orodja ter stroji za trato in vrt - Varnost - 4-2. del: Posebne zahteve za škarje za živo mejo - Dopolnilo A1
Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 4-2: Particular requirements for hedge trimmers
Osnova: EN 62841-4-2:2019/A1:2022
ICS: 65.060.70, 25.140.20

Amandma A1:2022 je dodatek k standardu SIST EN 62841-4-2:2019.
IEC 62841-4-2:2017 applies to hand-held hedge trimmers which are designed for use by one operator for trimming hedges and bushes, including extended-reach hedge trimmers with a maximum length of

3,5 m. The rated voltage is not more than 250 V for single-phase a.c. or d.c. tools, and 480 V for three-phase a.c. tools. The rated input is not more than 3 700 W. The limits for the applicability of this standard for battery tools are given in K.1 and L.1. This standard deals with the hazards presented by tools which are encountered by all persons in the normal use and reasonably foreseeable misuse of the tools. Hand-held electric tools, which can be mounted on a support or working stand for use as fixed tools without any alteration of the tool itself, are within the scope of this standard and such combination of a hand-held tool and a support is considered to be a transportable tool and thus covered by the relevant Part 3. This standard is not applicable to hedge trimmers with a rotating blade. This standard is not applicable to scissors type grass shears. This Part 4-2 is to be used in conjunction with the first edition of IEC 62841-1:2014. The attention of National Committees is drawn to the fact that equipment manufacturers and testing organizations may need a transitional period following publication of a new, amended or revised IEC publication in which to make products in accordance with the new requirements and to equip themselves for conducting new or revised tests. It is the recommendation of the committee that the content of this publication be adopted for implementation nationally not earlier than 36 months from the date of publication.

SIST EN 62841-4-2:2019/A11:2022
2022-09 (po) (en;fr) 9 str. (C)
Električna motorna ročna orodja, prenosna orodja ter stroji za trato in vrt - Varnost - 4-2. del: Posebne zahteve za škarje za živo mejo - Dopolnilo A11
Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 4-2: Particular requirements for hedge trimmers
Osnova: EN 62841-4-2:2019/A11:2022
ICS: 65.060.70, 25.140.20

Amandma A11:2022 je dodatek k standardu SIST EN 62841-4-2:2019.
IEC 62841-4-2:2017 applies to hand-held hedge trimmers which are designed for use by one operator for trimming hedges and bushes, including extended-reach hedge trimmers with a maximum length of 3,5 m. The rated voltage is not more than 250 V for single-phase a.c. or d.c. tools, and 480 V for three-phase a.c. tools. The rated input is not more than 3 700 W. The limits for the applicability of this standard for battery tools are given in K.1 and L.1. This standard deals with the hazards presented by tools which are encountered by all persons in the normal use and reasonably foreseeable misuse of the tools. Hand-held electric tools, which can be mounted on a support or working stand for use as fixed tools without any alteration of the tool itself, are within the scope of this standard and such combination of a hand-held tool and a support is considered to be a transportable tool and thus covered by the relevant Part 3. This standard is not applicable to hedge trimmers with a rotating blade. This standard is not applicable to scissors type grass shears. This Part 4-2 is to be used in conjunction with the first edition of IEC 62841-1:2014. The attention of National Committees is drawn to the fact that equipment manufacturers and testing organizations may need a transitional period following publication of a new, amended or revised IEC publication in which to make products in accordance with the new requirements and to equip themselves for conducting new or revised tests. It is the recommendation of the committee that the content of this publication be adopted for implementation nationally not earlier than 36 months from the date of publication.

SIST EN IEC 60335-2-11:2022
SIST EN 60335-2-11:2011
SIST EN 60335-2-11:2011/A1:2015
SIST EN 60335-2-11:2011/A11:2012
SIST EN 60335-2-11:2011/A2:2019
2022-09 (po) (en) 34 str. (H)
Gospodinjski in podobni električni aparati - Varnost - 2-11. del: Posebne zahteve za bobenske sušilnike
Household and similar electrical appliances - Safety - Part 2-11: Particular requirements for tumble dryers
Osnova: EN IEC 60335-2-11:2022
ICS: 97.060, 13.120

This European Standard deals with the safety of electric tumble dryers intended for household and similar purposes. The rated voltage being not more than 250 V for single-phase appliances and 480 V for other appliances.

SIST EN IEC 60335-2-11:2022/A11:2022
2022-09 (po) (en;fr) 7 str. (B)
Gospodinjski in podobni električni aparati - Varnost - 2-11. del: Posebne zahteve za bobenske sušilnike - Dopolnilo A11
Household and similar electrical appliances - Safety - Part 2-11: Particular requirements for tumble dryers
Osnova: EN IEC 60335-2-11:2022/A11:2022
ICS: 97.060, 13.120

Amandma A11:2022 je dodatek k standardu SIST EN IEC 60335-2-11:2022.
This European Standard deals with the safety of electric tumble dryers intended for household and similar purposes. The rated voltage being not more than 250 V for single-phase appliances and 480 V for other appliances.

SIST EN IEC 62841-3-5:2022
2022-09 (po) (en) 23 str. (F)
Električna motorna ročna orodja, prenosna orodja ter stroji za trato in vrt - Varnost - 3-5. del: Posebne zahteve za prenosne tračne žage
Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 3-5: Particular requirements for transportable band saws
Osnova: EN IEC 62841-3-5:2022
ICS: 25.100.40, 25.140.20

EN IEC 62841-3-5:2022 applies to band saws intended for cutting wood and analogous materials, plastics and metals, except magnesium. This document does not apply to transportable scroll saws and jig saws with a reciprocating blade. This document applies to band saws having a mass of: - maximum 25 kg for tools capable of being lifted by hand by one person; - maximum 50 kg for tools capable of being lifted by hand by two persons.

SIST EN IEC 62841-3-5:2022/A11:2022
2022-09 (po) (en;fr) 10 str. (C)
Električna motorna ročna orodja, prenosna orodja ter stroji za trato in vrt - Varnost - 3-5. del: Posebne zahteve za prenosne tračne žage - Dopolnilo A11
Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 3-5: Particular requirements for transportable band saws
Osnova: EN IEC 62841-3-5:2022/A11:2022
ICS: 25.100.40, 25.140.20

EN IEC 62841-3-5:2022 applies to band saws intended for cutting wood and analogous materials, plastics and metals, except magnesium. This document does not apply to transportable scroll saws and jig saws with a reciprocating blade. This document applies to band saws having a mass of: - maximum 25 kg for tools capable of being lifted by hand by one person; - maximum 50 kg for tools capable of being lifted by hand by two persons.

SIST/TC VLA Vlaga

SIST EN 12847:2022 SIST EN 12847:2009
2022-09 (po) (en;fr;de) 9 str. (C)
Bitumen in bitumenska veziva - Določanje težnje bitumenskih emulzij k posedanju
Bitumen and bituminous binders - Determination of settling tendency of bituminous emulsions
Osnova: EN 12847:2022
ICS: 91.100.50, 75.140

This document specifies a method for the determination of the settling tendency of bituminous emulsions.
WARNING - The use of this document can involve hazardous materials, operations and equipment. This document does not purport to address all of the safety problems associated with its use. It is the responsibility of the user of this document to establish appropriate safety and health practices and to determine the applicability of regulatory limitations prior to use.

SIST EN 12850:2022 SIST EN 12850:2009
2022-09 (po) (en;fr;de) 7 str. (B)
Bitumen in bitumenska veziva - Določevanje pH vrednosti bitumenskih emulzij
Bitumen and bituminous binders - Determination of the pH value of bituminous emulsions
Osnova: EN 12850:2022
ICS: 91.100.50, 75.140

This document specifies a method for measuring the pH value of bituminous emulsions.
It is applicable to anionic, cationic bituminous emulsions and bituminous emulsions prepared by means of non-ionic surfactant.
In certain circumstances, the pH value can provide an indication of the ionic character of a bituminous emulsion. However, this indication should be confirmed by a particle polarity test conforming to EN 1430 [1].
WARNING - The use of this document can involve hazardous materials, operations and equipment. This document does not purport to address all of the safety problems associated with its use. It is the responsibility of the user of this document to establish appropriate safety and health practices and to determine the applicability of regulatory limitations prior to use.

SIST EN 17643:2022
2022-09 (po) (en;fr;de) 14 str. (D)
Bitumen in bitumenska veziva - Določanje temperature in faznega kota pri enakovrednem strižnem modulu z dinamičnim strižnim reometrom (DSR) - Preskus BTSV
Bitumen and bituminous binders - Determination of equi-shear modulus temperature and phase angle using a Dynamic Shear Rheometer (DSR) - BTSV test
Osnova: EN 17643:2022
ICS: 91.100.50, 75.140

This document specifies the Binder Fast Characterization Test (for short: BTSV test, German: Bitumen-Typisierungs-Schnell-Verfahren). The test is conducted using a Dynamic Shear Rheometer (DSR). It is used to quickly characterize bitumen and bituminous binders and to assess the deformation behaviour at high service temperatures.
This document deals with the testing of fresh paving grade bitumen and modified bitumen, as conditioned in a laboratory ageing procedure (e.g. EN 12607 1, EN 14769) and also as recovered from asphalt mixtures. The test procedure in accordance with this document is not applicable for bituminous binders with particles larger than 250 µm (e.g. filler material, granulated rubber).
NOTE The test procedure has not been applied on bituminous binders recovered from bitumen emulsions yet.
The test determines the temperature and the associated phase angle at which a bituminous binder exhibits a defined complex shear modulus in stress-controlled oscillation mode at constant frequency and with continuous increase of the test temperature.
WARNING — The use of this document can involve hazardous materials, operations and equipment. This document does not purport to address all of the safety problems associated with its use. It is the responsibility of the user of this document to establish appropriate safety and health practices and to ensure that regulatory requirements are fulfilled prior to application of this document.

SIST/TC VZD Vzdrževanje in obvladovanje premoženja

SIST EN 15341:2019+A1:2022 SIST EN 15341:2019
SIST EN 15341:2019/kprA1:2022

2022-09 (po) (en;fr;de) 51 str. (J)
Vzdrževanje - Ključni kazalniki učinkovitosti in uspešnosti vzdrževanja
Maintenance - Maintenance Key Performance Indicators
Osnova: EN 15341:2019+A1:2022
ICS: 03.100.99

This document lists Key Performance Indicators (KPIs) of the Maintenance Function and gives guidelines to define a set of suitable indicators, to appraise and to improve effectiveness, efficiency and sustainability in the maintenance of the existing physical assets either industrial, infrastructures, facilities, civil buildings or transportation systems, etc. in the framework of the external and internal influencing factors.

SIST/TC ZEM Zemeljska dela

SIST EN 17542-1:2022
2022-09 (po) (en;fr;de) 18 str. (E)
Zemeljska dela - Geotehnični laboratorijski preskusi - 1. del: Preskus razgradljivosti
Earthworks - Geotechnical laboratory tests - Part 1: Degradability test standard
Osnova: EN 17542-1:2022
ICS: 93.020

This document defines the principle and the methods for the determination of the "degradability coefficient" of rocky material.
The degradability coefficient IDG distinguishes the behaviour of certain rocky material and is used to show the change in the geotechnical characteristics (particle size, clay content, plasticity, etc.) in relation to the characteristics seen immediately following excavation.
Changes in the particle size occur due to the combined action of climatic or geohydrological elements (frost, soaking-drying cycles) and mechanical stress to which it is subjected. In the case of degradable rocky material, this leads to a fairly significant and continuous reduction in the mechanical and geometric characteristics of the works in which they are used.
The two methods developed in this document for the determination of IDG are not equivalent, so any result obtained by this document can refer to the method used.

SIST EN 17542-2:2022
2022-09 (po) (en;fr;de) 12 str. (C)
Zemeljska dela - Geotehnični laboratorijski preskusi - 2. del: Preskus drobljivosti
Earthworks - Geotechnical laboratory tests - Part 2: Fragmentability test standard
Osnova: EN 17542-2:2022
ICS: 93.020

This document defines the principle and the methods for the determination of the "fragmentability coefficient" of rocky material.
The fragmentability coefficient IFR distinguishes the behaviour of certain rocky material and is used to show the change in particle size from the moment than the material is excavated through to its subsequent implementation and in certain cases during its whole service life. Changes in the particle size occur due to the structural resistance of the rock being unable to support the mechanical stress to which it is subjected during its implementation and use.

SIST EN 17542-3:2022
2022-09 (po) (en;fr;de) 14 str. (D)
Zemeljska dela - Geotehnični laboratorijski preskusi - 3. del: Metilen modro vrednost VBS zemljin in kamnin
Earthworks - Geotechnical laboratory tests - Part 3: Methylene blue value VBS on soils and rocks
Osnova: EN 17542-3:2022
ICS: 93.020

This document describes the reference method for the determination of the methylene blue value (VBS) in soils and rocks for earthworks.
The test is based on measuring the quantity of methylene blue that can be adsorbed by the material suspended in water. This quantity of absorbed methylene blue is reported by direct proportionality to the 0/50 mm ground. The soil blue value is directly related to the specific surface area of the soil particles or rocky material.
NOTE The VBS test uses common equipment and calibration as the methylene blue test MB for aggregates (EN 933 9), but the test is applies to another granular fraction (5 mm for VBS and 2 mm for MB, respectively). Thus, the results obtained between the two tests cannot be compared in the general case.

SIST/TC ŽEN Železniške električne naprave

SIST EN 50317:2012/A1:2022
2022-09 (po) (en) 4 str. (A)
Železniške naprave - Sistemi za odjem toka - Zahteve in veljavnost meritev medsebojnih dinamičnih vplivov med odjemnikom toka in kontaktnim vodnikom
Railway applications - Current collection systems - Requirements for and validation of measurements of the dynamic interaction between pantograph and overhead contact line
Osnova: EN 50317:2012/A1:2022
ICS: 29.280

Amandma A1:2022 je dodatek k standardu SIST EN 50317:2012.
This European Standard deals with the safety of electric tumble dryers intended for household and similar purposes. The rated voltage being not more than 250 V for single-phase appliances and 480 V for other appliances.

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

SIST EN 50436-4:2022 SIST EN 50436-4:2019
2022-09 (po) (en) 113 str. (N)
Alkoholne zapore - Preskusne metode in zahtevane lastnosti - 4. del: Konektor in digitalni vmesnik med alkoholno zaporo in vozilom
Alcohol interlocks - Test methods and performance requirements - Part 4: Connection and digital interface between the alcohol interlock and the vehicle
Osnova: EN 50436-4:2022
ICS: 43.040.80, 13.200

This document specifies the interface between an alcohol interlock for production and aftermarket installation and a vehicle. It details the modes of electrical connections, the assignment of electrical connection lines as well as the information to be exchanged between the vehicle and the alcohol interlock.
This document is applicable to alcohol interlocks for drink-driving-offender programmes (as in EN 50436-1) as well as to alcohol interlocks for general preventive use (as in EN 50436-2).
This document is mainly directed at manufacturers of alcohol interlocks and at vehicle manufacturers.

This document is referenced in EN 50436-7 and provides details of the preferred data bus connection suggested therein.
NOTE This document describes the information exchange using a LIN or a CAN (J1939) connection.

SIST EN IEC 61340-5-3:2022 SIST EN 61340-5-3:2015
2022-09 (po) (en) 26 str. (F)
Elektrostatika - 5-3. del: Zaščita elektronskih naprav pred elektrostatičnimi pojavi - Lastnosti in klasifikacija zahtev za embalažo naprav, ki so občutljive za elektrostatične razelektritve (IEC 61340-5-3:2022)
Electrostatics - Part 5-3: Protection of electronic devices from electrostatic phenomena - Properties and requirements classification for packaging intended for electrostatic discharge sensitive devices (IEC 61340-5-3:2022)
Osnova: EN IEC 61340-5-3:2022
ICS: 17.220.99

This part of IEC 61340 defines the ESD protective packaging properties needed to protect ESD sensitive devices (ESDS) through all phases of production, rework/maintenance, transport and storage. Test methods are referenced to evaluate packaging and packaging materials for these product and material properties. Performance limits are provided.
This standard does not address protection from electromagnetic interference (EMI), electromagnetic pulsing (EMP) or protection of electrically initiated explosive materials or devices.

SIST EN IEC 63203-201-1:2022
2022-09 (po) (en) 15 str. (D)
Nosljive elektronske naprave in tehnologije - 201-1. del: Elektronski tekstil - Metode merjenja osnovnih lastnosti prevodnih prej (IEC 63203-201-1:2022)
Wearable electronic devices and technologies - Part 201-1: Electronic Textile - Measurement methods for basic properties of conductive yarns (IEC 63203-201-1:2022)
Osnova: EN IEC 63203-201-1:2022
ICS: 59.080.80

This part of IEC 63203-201 specifies provisions and test methods for measurement of properties of conductive yarns. Conductive yarns covered in this document have conductivity of a level that can be used for transmission of electric signals, supply of electric power and electromagnetic shield. They do not include high-resistance conductive yarn used for anti-static and heating use. Conductive yarns are the basic material in electronic textiles and are mainly used as conductive traces in clothes-type wearable devices, as well as with secondary processing (woven, knitted, embroidered, nonwoven, etc.) to provide conductive fabrics. This document does not define the required characteristics of the conductive yarn; rather, it specifies the handling and measurement methods for general and electrical properties of conductive yarn.

SIST EN IEC 63203-201-2:2022
2022-09 (po) (en) 19 str. (E)
Nosljive elektronske naprave in tehnologije - 201-2. del: Elektronski tekstil - Metode merjenja osnovnih lastnosti prevodnih tkanin in izolacijskih materialov (IEC 63203-201-2:2022)
Wearable electronic devices and technologies - Part 201-2: Electronic textile - Measurement methods for basic properties of conductive fabrics and insulation materials (IEC 63203-201-2:2022)
Osnova: EN IEC 63203-201-2:2022
ICS: 59.080.80

This part of IEC 63203-201 specifies the provisions for conductive fabrics and insulation materials used for electronic textiles and measurement methods for their properties. Conductive fabrics covered by this document are basic materials in electronic textiles and are mainly used as conductive traces, electrodes and the like in clothes-type wearable devices. This document does not cover high-resistance conductive fabrics used for antistatic purposes and heater applications. Insulating materials handled in this document are materials used for electrical insulation of conductive parts in electronic textiles. They include materials for covering the conductive parts, and general fabrics constituting the basic structure of clothes-type wearable devices. This document does not define the required characteristics

of the conductive fabric and insulation materials; rather, it specifies measurement methods for general and electrical properties of the conductive fabric and insulation materials.

SIST EN IEC 60749-10:2022 SIST EN 60749-10:2004
2022-09 (po) (en) 14 str. (D)
Polprevodniški elementi - Metode za mehansko in klimatsko preskušanje - 10. del: Mehanski udarci - Naprava in podsklop (IEC 60749-10:2022)
Semiconductor devices - Mechanical and climatic test methods - Part 10: Mechanical shock - Device and subassembly (IEC 60749-10:2022)
Osnova: EN IEC 60749-10:2022
ICS: 31.080.01

This part of IEC 60749 is intended to evaluate devices in the free state and assembled to printed wiring boards for use in electrical equipment. The method is intended to determine the compatibility of devices and subassemblies to withstand moderately severe shocks. The use of subassemblies is a means to test devices in usage conditions as assembled to printed wiring boards. Mechanical shock due to suddenly applied forces, or abrupt change in motion produced by handling, transportation or field operation can disturb operating characteristics, particularly if the shock pulses are repetitive. This is a destructive test intended for device qualification.

SIST EN IEC 63269:2022
2022-09 (po) (en) 61 str. (K)
Pomorska navigacijska in radiokomunikacijska oprema in sistemi - Naprave za določanje lokacije preživelih v morju (naprave za reševanje ljudi iz vode) - Minimalne zahteve, metode preskušanja in zahtevani rezultati preskusov (IEC 63269:2022)
Maritime navigation and radiocommunication equipment and systems - Maritime survivor locating devices (man overboard devices) - Minimum requirements, methods of testing and required test results (IEC 63269:2022)
Osnova: EN IEC 63269:2022
ICS: 13.200, 47.020.99

This document specifies the minimum requirements for aspects related to operation, construction, documentation, methods of testing and required test results for ITU-R M.2135 AMRD Group A man overboard (MOB) devices intended for alerting and locating purposes, as defined by IMO and in accordance with ITU-R M.493 Class-M. This document consists of three modules where the first module, Module A, covers general requirements and aspects. Further Module B covers AIS technologies and Module C covers DSC technologies that are required within MOB equipment.
This document incorporates the technical characteristics included in applicable ITU recommendations. Where applicable, it also takes into account the ITU Radio Regulations. This document takes into account other associated IEC international standards and existing national standards, as applicable.
This document defines the requirements for coexistence of AIS and DSC technology incorporated within a single equipment.

SIST/TC SS SPL Strokovni svet SIST za splošno področje

SIST CWA 17896:2022
2022-09 (po) (en;fr;de) 18 str. (E)
Preskusna metoda za ovrednotenje adhezijskih lastnosti kompozitnih spojev iz polimerov, ojačenih z vlakni
Test method for the evaluation of the adhesive properties of fibre reinforced polymer composite joints
Osnova: CWA 17896:2022
ICS: 83.180, 83.120

This document provides a test method for the determination of the adhesive properties in joints of continuous fibre reinforced polymer matrix composite structures using the Lap Strap specimen.

The evaluation includes the optional concurrent use of the non-destructive technique of the Electrical Resistance Change Method (ERCM) and/or Acoustic Emission (AE) for the monitoring of the debonding of the lap from the strap optionally. The ERCM NDE technique has a limited application only on carbon fibre composites due to the inherent electrical conductivity of the carbon fibres.
This test applies to composites manufactured with continuous carbon fibres (woven or unidirectional) and thermoset or thermoplastic matrices, with quasi-isotropic lamination. This methodology can be used on repairable or self-healing composites in order to estimate the repair or healing efficiency respectively.
Safety aspects about manufacturing and mechanical testing of the composites are excluded.

SIST EN 14175-8:2022
2022-09 (po) (en;fr;de) 18 str. (E)
Digestoriji - 8. del: Digestoriji za delo z radioaktivnimi snovmi
Fume cupboards - Part 8: Fume cupboards for work with radioactive materials
Osnova: EN 14175-8:2022
ICS: 71.040.10, 13.280

This document specifies fume cupboards for work with unsealed radioactive materials with specific requirements regarding radiation protection and it does not apply to glove boxes or hot cells not even to α emitting radioisotopes.
The purpose of this document is to set out rules for the design and testing of fume cupboards for work with unsealed radioactive materials, in order to provide guidelines for the planner, installer, operator, assessor and the authorities.
NOTE If, when handling unsealed radioactive substances, radiopharmaceuticals are produced for use on humans, the fume cupboards covered by this document are not sufficient.
Before using radioactive materials, a safety assessment needs to be performed. To find the maximum activity allowed for every activity with radioactive material it is necessary to take into account the three principles of radiological protection, namely justification, optimization, and the application of dose limits, clarifying how they apply to radiation sources delivering exposure and to individuals receiving exposure. Shield and abatement system required are also evaluated.

SIST EN 15163-1:2022 SIST EN 15163:2017
2022-09 (po) (en;fr;de) 63 str. (K)
Stroji in oprema za pridobivanje in obdelavo naravnega kamna - Varnost - 1. del: Zahteve za nepremične enožične diamantne žage
Machines and installations for the exploitation and processing of natural stone - Safety - Part 1: Requirements for stationary diamond wire saws
Osnova: EN 15163-1:2022
ICS: 25.100.40, 73.120

This document deals with all significant hazards, hazardous situations and events, as listed in Annex A, which are relevant to stationary diamond wire saws (stationary diamond mono-wire saws and stationary diamond multi-wire saws), as defined in Clause 3.
Stationary diamond wire saws may be used in quarries or in sawmill for cutting natural stones (e.g. marble, granite), when they are used as intended and under conditions of misuse which are reasonably foreseeable by the manufacturer (see Annex A).
This document deals only with stationary diamond wire saws using coated diamond wire as tool.
This document specifies the appropriate technical measures to eliminate or reduce risks arising from the significant hazards.
This document deals all significant hazards that may occur within the expected lifetime of the machinery including the phases of transport, assembly, dismantling, disabling and scrapping.
This document does not deal with the significant hazards arising by the use of other facilities/devices not described in this document, that may be fitted on the machines or that may be used during the work cycle.
This document does not deal with:
a) operation under extreme ambient conditions (outside the limits defined in EN 60204-1:2018);

b) upstream and downstream conveying elements, not integrated with stationary diamond wire saws, for transporting of the work-pieces.
This document is not applicable to machines which are manufactured before the date of publication of this document by CEN.

SIST EN 15163-2:2022 SIST EN 15163:2017
2022-09 (po) (en;fr;de) 62 str. (K)
Stroji in oprema za pridobivanje in obdelavo naravnega kamna - Varnost - 2. del: Zahteve za premične enožične diamantne žage
Machines and installations for the exploitation and processing of natural stone - Safety - Part 2: Requirements for transportable diamond wire saws
Osnova: EN 15163-2:2022
ICS: 25.100.40, 73.120

This document deals with all significant hazards, hazardous situations and events, as listed in Annex A, which are relevant to transportable diamond wire saws and cutting operations as defined in Clause 3.
This document deals only with transportable diamond wire saws used in quarries for cutting natural stones (e.g. marble, granite), when they are used as intended and under conditions of misuse which are reasonably foreseeable by the manufacturer (see Annex A).
This document deals only with transportable diamond wire saws using coated diamond wire as tool.
This document specifies the appropriate technical measures to eliminate or reduce risks arising from the significant hazards.
This document deals all significant hazards that may occur within the expected lifetime of the machinery including the phases of transport, assembly, dismantling, disabling and scrapping.
This document does not deal with the significant hazards arising by the use of other facilities/devices not described in this document, that may be fitted on the machines or that may be used during the work cycle.
This document does not deal with:
a) operation under extreme ambient conditions (outside the limits defined in EN 60204-1:2018);
b) upstream and downstream conveying elements, not integrated with transportable diamond wire saws, for transporting of the work-pieces.
This document is not applicable to machines which are manufactured before the date of publication of this document by CEN.

SIST EN 16603-35-06:2022 SIST EN 16603-35-06:2014
2022-09 (po) (en;fr;de) 71 str. (L)
Vesoljska tehnika - Zahteve za čistočo pogonske tehnike vesoljskih plovil
Space engineering - Cleanliness requirements for spacecraft propulsion hardware
Osnova: EN 16603-35-06:2022
ICS: 49.140

EN 16603-35-06 (equivalent of ECSS-E-ST-35-06) belongs to the Propulsion field of the mechanical discipline, and concerns itself with the cleanliness of propulsion components, sub-systems and systems.
The standard
- defines design requirements which allow for cleaning of propulsion components sub-systems and systems and which avoid generation or unwanted collection of contamination,
- identifies cleanliness requirements (e.g. which particle / impurity / wetness level can be tolerated),
- defines requirements on cleaning to comply with the cleanliness level requirements, and the requirements on verification,
- identifies the cleanliness approach, cleaning requirements, (e.g. what needs to be done to ensure the tolerable level is not exceeded, compatibility requirements),
- identifies, specifies and defines the requirements regarding conditions under which cleaning or cleanliness verification takes place (e.g. compatibility, check after environmental test).

The standard is applicable to the most commonly used propulsion systems and their related storable propellant combinations: Hydrazine (N2H4), Mono Methyl Hydrazine (CH3N2H3), MON (Mixed Oxides of Nitrogen), Nitrogen (N2), Helium (He), Propane (C3H8), Butane (C4H10) and Xenon (Xe).
This standard is the basis for the European spacecraft and spacecraft propulsion industry to define, achieve and verify the required cleanliness levels in spacecraft propulsion systems.
This standard is particularly applicable to spacecraft propulsion as used for satellites and (manned) spacecraft and any of such projects including its ground support equipment.
External cleanliness requirements, e.g. outside of tanks, piping and aspects such as fungus and outgassing are covered by ECSS-Q-ST-70-01.
This standard may be tailored for the specific characteristic and constraints of a space project in conformance with ECSS-S-ST-00.

SIST EN 16603-50:2022 SIST EN 16603-50:2014
2022-09 (po) (en;fr;de) 79 str. (L)
Vesoljska tehnika - Komunikacije
Space engineering - Communications
Osnova: EN 16603-50:2022
ICS: 49.140

This Standard specifies the requirements for the development of the end-to-end data communications system for spacecraft.
Specifically, this standard specifies:
- The terminology to be used for space communication systems engineering.
- The activities to be performed as part of the space communication system engineering process, in accordance with the ECSS-E-ST-10 standard.
- Specific requirements on space communication systems in respect of functionality and performance.

The communications links covered by this Standard are the space-to-ground and space-to-space links used during spacecraft operations, and the communications links to the spacecraft used during the assembly, integration and test, and operational phases.
Spacecraft end-to-end communication systems comprise components in three distinct domains, namely the ground network, the space link, and the space network. This Standard covers the components of the space link and space network in detail. However, this Standard only covers those aspects of the ground network that are necessary for the provision of the end-to-end communication services.
NOTE Other aspects of the ground network are covered in ECSS-E ST 70.
This Standard may be tailored for the specific characteristics and constraints of a space project in conformance with ECSS-S ST 00.

SIST EN 16603-50-21:2022 SIST EN 16603-50-01:2015
2022-09 (po) (en;fr;de) 11 str. (C)
Vesoljska tehnika - Sprejem obvestila CCSDS 131.0-B-3, sinhronizacija TM in kodiranje kanalov
Space engineering - Adoption Notice of CCSDS 131.0-B-3, TM Synchronization and Channel Coding
Osnova: EN 16603-50-21:2022
ICS: 49.140

EN 16603-50-21 identifies the clauses and requirements modified with respect to the standard CCSDS 131.0-B-3, TM Synchronization and Channel Coding, Issue 3, September 2017 for application in ECSS.

SIST EN 16603-50-22:2022 SIST EN 16603-50-03:2015
2022-09 (po) (en;fr;de) 12 str. (C)
Vesoljska tehnika - Sprejem obvestila CCSDS 132.0-B-2, protokol vesoljske podatkovne povezave TM
Space engineering - Adoption Notice of CCSDS 132.0-B-2, TM Space Data Link Protocol
Osnova: EN 16603-50-22:2022
ICS: 49.140

In the standard CCSDS 132.0-B-2, TM Space Data Link Protocol, CCSDS specifies a data link layer protocol for the efficient transfer of space application data of various types and characteristics over space links.
This Adoption Notice adopts and applies CCSDS 132.0-B-2 w ith a minimum set of modifications, identified in the present document, to allow for reference and for a consistent integration in the ECSS system of standards.
The TM Transfer Frame specified in CCSDS 132.0-B-2 is similar to the TM Transfer Frame specified in the EN 16603-50-03:2014 (ECSS-E-ST-50-03), that is superseded by the follow ing tw o Adoption Notices: EN 16603-50-22 (ECSS-E-AS-50-22) and EN 16603-50-23 (ECSS-E-AS-50-23).
Differences betw een these tw o standards that are not covered by the normative modifications in clause 4 are described inthe informative Annex A.

SIST EN 16603-50-23:2022 SIST EN 16603-50-03:2015
2022-09 (po) (en;fr;de) 11 str. (C)
Vesoljska tehnika - Sprejem obvestila CCSDS 732.0-B-3, protokol vesoljske podatkovne povezave AOS
Space engineering - Adoption Notice of CCSDS 732.0-B-3, AOS Space Data Link Protocol
Osnova: EN 16603-50-23:2022
ICS: 49.140

This document identifies the clauses and requirements modified with respect to the standard CCSDS 732.0-B-3, AOS Space Data Link Protocol, Issue 3, September 2015 for application in ECSS.

SIST EN 16603-50-24:2022 SIST EN 16603-50-04:2015
2022-09 (po) (en;fr;de) 16 str. (D)
Vesoljska tehnika - Sprejem obvestila CCSDS 231.0-B-3, sinhronizacija TC in kodiranje kanalov
Space engineering - Adoption Notice of CCSDS 231.0-B-3, TC Synchronization and Channel Coding
Osnova: EN 16603-50-24:2022
ICS: 49.140

This document identifies the clauses and requirements modified with respect to the standard CCSDS 231.0-B-3, TC Synchronization and Channel Coding, Issue 3, September 2017 for application in ECSS.

SIST EN 16603-50-25:2022 SIST EN 16603-50-04:2015
2022-09 (po) (en;fr;de) 19 str. (E)
Vesoljska tehnika - Sprejem obvestila CCSDS 232.0-B-3, protokol vesoljske podatkovne povezave TC
Space engineering - Adoption Notice of CCSDS 232.0-B-3, TC Space Data Link Protocol
Osnova: EN 16603-50-25:2022
ICS: 49.140

This document identifies the clauses and requirements modified w ith respect to the standard CCSDS 131.0-B-3, TM Synchronization and Channel Coding, Issue 3, September 2017 for application in ECSS.

SIST EN 16603-50-26:2022 SIST EN 16603-50-04:2015
2022-09 (po) (en;fr;de) 11 str. (C)
Vesoljska tehnika - Sprejem obvestila CCSDS 232.1-B-2, postopek delovanja komunikacij-1
Space engineering - Adoption Notice of CCSDS 232.1-B-2, Communications Operation Procedure-1
Osnova: EN 16603-50-26:2022
ICS: 49.140

This Standard specifies the data structures and protocols for a telecommand space data link and the procedure for physical layer operation.

Usually, the source of data on a telecommand space data link is located on the ground and the receiver is located in space. However, the Standard may also be used for space-to-space telecommand data links.
Further provisions and guidance on the application of this standard can be found, respectively, in the following documents:
- The higher level standard ECSS-E-ST-50 'Communications', which defines the principle characteristics of communication protocols and related services for all communication layers relevant for space communication (physical- to application-layer), and their basic relationship to each other.
- The handbook ECSS-E-HB-50 'Communications guidelines', which provides information about specific implementation characteristics of these protocols in order to support the choice of a certain communications profile for the specific requirements of a space mission.
Users of this present standard are invited to consult these documents before taking decisions on the implementation of the present one.
This standard may be tailored for the specific characteristics and constraints of a space project in conformance with ECSS-S-ST-00.

SIST EN 17647:2022
2022-09 (po) (en;fr;de) 13 str. (D)
Splošna načela izdelave, polnjenja in shranjevanja e-tekočin za predhodno napolnjene posode ali izdelke
General principles for manufacturing, filling and holding e-liquids for prefilled containers or products
Osnova: EN 17647:2022
ICS: 65.160

Applicable to the manufacture, and use in manufacture, of liquids for use in electronic cigarettes and similar vapour producing devices intended for the production of aerosol for consumption by inhalation. Applicable to liquids with or without nicotine content. The standard will specify the minimum safety and quality requirements for the manufacture of such liquids and for their filling and holding when used in the manufacture of prefilled electronic cigarette devices.

SIST EN 17648:2022
2022-09 (po) (en;fr;de) 21 str. (F)
Sestavine e-tekočin
E-liquid ingredients
Osnova: EN 17648:2022
ICS: 65.160

The document is applicable to e-liquids, as well as flavour concentrates supplied directly to the consumer for use in e-liquids, intended for the production of aerosol for consumption by inhalation in electronic cigarettes and similar vapour producing devices. It is applicable to eliquids and concentrates intended for the consumer either with or without nicotine content.
The standard specifies the minimum safety and technical requirements for the selection and control of ingredients for e-liquids and flavour concentrates, as well as some ingredient-related risk assessment and product information requirements for the finished e-liquid/flavour concentrate, when the products are to be used in electronic cigarette devices operated and maintained in the manner prescribed by the manufacturer.
The document is not applicable to packaging, device or refill container materials.

SIST EN 17655:2022
2022-09 (po) (en;fr;de) 13 str. (D)
Ohranjanje kulturne dediščine - Določanje absorpcije vode z metodo kontaktne gobice
Conservation of cultural heritage - Determination of water absorption by contact sponge method
Osnova: EN 17655:2022
ICS: 97.195

This document establishes the methodology to measure the quantity of water absorbed by a defined surface of a porous inorganic material used for and constituting cultural property, by contact sponge method.
The method can be used on porous inorganic materials which are untreated or have undergone any treatment or ageing.
The method can be used both in the laboratory and in situ on flat surfaces.
NOTE 1 Treated materials are those which have been subjected to cleaning; to the application of water repellent, consolidating and/or biocidal products; to artificial aging tests, etc.
NOTE 2 The test is not intended to be used on surfaces which are severely deteriorated, where application of the sponge is likely to cause material loss. The operator is expected to ensure good contact with the perimeter of the container. The test is not accurate when applied to rough surfaces.

SIST EN 2349-001:2022
2022-09 (po) (en;fr;de) 42 str. (I)
Aeronavtika - Zahteve in preskusni postopki za stikalne naprave
Aerospace series - Requirements and test procedures for switching devices
Osnova: EN 2349-001:2022
ICS: 29.130.01, 49.060

This document specifies the requirements and test procedures of switching devices for use in aircraft electrical systems to EN 2282.

SIST EN 474-3:2022/AC:2022
2022-09 (po) (en;fr;de) 2 str. (AC)
Stroji za zemeljska dela - Varnost - 3. del: Zahteve za nakladalnike - Popravek AC
Earth-moving machinery - Safety - Part 3: Requirements for loaders
Osnova: EN 474-3:2022/AC:2022
ICS: 53.100

Popravek k standardu SIST EN 474-3:2022.
This document, together with part 1, deals with all significant hazards for earth-moving machinery - loaders when they are used as intended and under the conditions of misuse which are reasonably foreseeable by the manufacturer associated with the whole life time of the machine (see Clause 4).
The requirements of this part are complementary to the common requirements formulated in prEN 474-1. This document does not repeat the requirements from prEN 474-1, but adds or replaces the requirements for application for earth moving machinery - loaders.
This part also deals with fork application, single heavy object handling application, object handling application and log handling.
This European Standard is not applicable to hydraulic excavators manufactured before the date of publication of this European Standard by CEN.

SIST EN 474-5:2022/AC:2022
2022-09 (po) (en;fr;de) 2 str. (AC)
Stroji za zemeljska dela - Varnost - 5. del: Zahteve za hidravlične bagre - Popravek AC
Earth-moving machinery - Safety - Part 5: Requirements for hydraulic excavators
Osnova: EN 474-5:2022/AC:2022
ICS: 53.100

Popravek k standardu SIST EN 474-5:2022.
This document, together with part 1, deals with all significant hazards for earth-moving machinery - hydraulic excavators when they are used as intended and under the conditions of misuse which are reasonably foreseeable by the manufacturer associated with the whole life time of the machine (see Clause 4).
The requirements of this part are complementary to the common requirements formulated in prEN 474-1. This document does not repeat the requirements from prEN 474-1, but adds or replaces the requirements for application for earth moving machinery - hydraulic excavators.

This part also deals with derivated machinery and derivated use, e.g. lifting operation application, shovel application, log application, grapple application, magnetic plate application.
This European Standard is not applicable to hydraulic excavators manufactured before the date of publication of this European Standard by CEN.

SIST EN ISO 10592:2022 SIST EN ISO 10592:2017
2022-09 (po) (en;fr;de) 31 str. (G)
Mala plovila - Daljinski hidravlični sistemi krmiljenja (ISO 10592:2022)
Small craft - Remote hydraulic steering systems (ISO 10592:2022)
Osnova: EN ISO 10592:2022
ICS: 47.020.70, 47.080

This document specifies the requirements for the design, installation and testing of engine-mounted and craft-mounted remote hydraulic steering systems used with single and multiple engine installations of outboard engines over 15 kW per engine, as well as with single and multiple engines of inboard, sterndrive, and water jet drives, all used on small craft.
This document does not address emergency means of steering the craft.

SIST EN ISO 13577-4:2022
2022-09 (po) (en;fr;de) 92 str. (M)
Industrijske peči in pripadajoča procesna oprema - Varnost - 4. del: Zaščitni sistemi (ISO 13577-4:2022)
Industrial furnaces and associated processing equipment - Safety - Part 4: Protective systems (ISO 13577-4:2022)
Osnova: EN ISO 13577-4:2022
ICS: 25.180.01

This part of ISO 13577 specifies the requirements for protective systems used in industrial furnaces and associated processing equipment (TPE).
The functional requirements to which the protective systems apply are specified in the other parts of ISO 13577.

SIST EN ISO 14644-8:2022 SIST EN ISO 14644-8:2014
2022-09 (po) (en;fr;de) 30 str. (G)
Čiste sobe in podobna nadzorovana okolja - 8. del: Ocenjevanje čistosti zraka na osnovi koncentracije onesnaževal v zraku (ACC) (ISO 14644-8:2022)
Cleanrooms and associated controlled environments - Part 8: Assessment of air cleanliness by chemical concentration (ACC) (ISO 14644-8:2022)
Osnova: EN ISO 14644-8:2022
ICS: 13.040.35

This document establishes typical assessment processes to determine grading levels of air chemical cleanliness (ACC) in cleanrooms and associated controlled environments, in terms of airborne concentrations of specific chemical substances (individual, group or category), and provides a protocol to include test methods, analysis and time-weighted factors for their determination. This document currently considers only concentrations of air chemical contaminants between 100 g/m3 and 10–12 g/m3 under cleanroom operational conditions.
This document is not relevant for application in those industries, processes or productions where the presence of airborne chemical substances is not considered a risk to the product or process.
It is not the intention of this document to describe the nature of air chemical contaminants.
This document does not give a classification of surface chemical contamination.

SIST EN ISO 16638-2:2022
2022-09 (po) (en;fr;de) 36 str. (H)
Radiološka zaščita - Nadzorovanje in notranja dozimetrija za posebne materiale - 2. del: Zaužitje uranovih spojin (ISO 16638-2:2019)
Radiological protection - Monitoring and internal dosimetry for specific materials - Part 2: Ingestion of uranium compounds (ISO 16638-2:2019)
Osnova: EN ISO 16638-2:2022
ICS: 17.240

This document specifies the minimum requirements for the design of professional programmes to monitor workers exposed to a risk of ingestion to uranium compounds. This document 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 standardized 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 need to be applied.
This document addresses those circumstances when exposure could be constrained by either radiological or chemical toxicity concerns.
This document addresses, for ingestion of uranium and its compounds, the following items:
a) purposes of monitoring and monitoring programmes;
b) description of the different categories of monitoring programmes;
c) suitable methods for monitoring and criteria for their selection;
d) information that is collected for the design of a monitoring programme;
e) procedures for dose assessment based on reference levels for special monitoring programmes;
f) criteria for determining the significance of monitoring results;
g) uncertainties arising from dose assessment and interpretation of bioassays data;
h) reporting/documentation;
i) quality assurance;
j) record keeping requirements.
It is not applicable to the following items:
a) detailed descriptions of measuring methods and techniques for uranium;
b) modelling for the improvement of internal dosimetry;
c) potential influence of counter-measures (e.g. administration of chelating agents);
d) investigation of the causes or implications of an exposure;
e) dosimetry for inhalation exposures and for contaminated wounds.

SIST EN ISO 19014-2:2022
2022-09 (po) (en;fr;de) 51 str. (J)
Stroji za zemeljska dela - Funkcijska varnost - 2. del: Oblikovanje in vrednotenje strojnih in arhitekturnih zahtev za varnostne dele krmilnega sistema (ISO 19014-2:2022)
Earth-moving machinery - Functional safety - Part 2: Design and evaluation of hardware and architecture requirements for safety-related parts of the control system (ISO 19014-2:2022)
Osnova: EN ISO 19014-2:2022
ICS: 53.100

This part of EN ISO 19014 specifies general principles for the development and testing of safety-related parts of machine-control systems (MCS) in earth-moving machinery and its equipment, as defined in EN ISO 6165.

SIST EN ISO 19443:2022
2022-09 (po) (en;fr;de) 59 str. (J)
Sistemi vodenja kakovosti - Posebne zahteve za uporabo standarda ISO 9001:2015 v organizacijah v dobavni verigi sektorja jedrske energije, ki dobavljajo izdelke in storitve, pomembne za jedrsko varnost (ITNS) (ISO 19443:2018)
Quality management systems - Specific requirements for the application of ISO 9001:2015 by organizations in the supply chain of the nuclear energy sector supplying products and services important to nuclear safety (ITNS) (ISO 19443:2018)
Osnova: EN ISO 19443:2022
ICS: 03.100.70, 27.120.01, 03.120.10

This International Standard specifies requirements for a quality management system when an organization:
a) needs to demonstrate its ability to consistently provide products and services that meet customer and applicable statutory and regulatory requirements, and
b) aims to enhance customer satisfaction through the effective application of the system, including processes for improvement of the system and the assurance of conformity to customer and applicable statutory and regulatory requirements.
All the requirements of this International Standard are generic and are intended to be applicable to any organization, regardless of its type or size, or the products and services it provides.
NOTE 1 In this International Standard, the terms "product" or "service" only apply to products and services intended for, or required by, a customer.
NOTE 2 Statutory and regulatory requirements can be expressed as legal requirements.
This International Standard applies to organizations supplying ITNS products or services.
Application of this standard to organizations performing activities on a licensed nuclear site is subject to prior agreement by the Licensee.
Requirements specified in this International Standard are complementary (not alternative) to customer and applicable statutory and regulatory requirements.

SIST EN ISO 19901-2:2022 SIST EN ISO 19901-2:2018
2022-09 (po) (en;fr;de) 63 str. (K)
Industrija za predelavo nafte in zemeljskega plina - Posebne zahteve za naftne ploščadi - 2. del: Postopki potresno varnega projektiranja in potresna merila (ISO 19901-2:2022)
Petroleum and natural gas industries - Specific requirements for offshore structures - Part 2: Seismic design procedures and criteria (ISO 19901-2:2022)
Osnova: EN ISO 19901-2:2022
ICS: 91.120.25, 75.180.10

This document contains requirements for defining the seismic design procedures and criteria for offshore structures; guidance on the requirements is included in Annex A. The requirements focus on fixed steel offshore structures and fixed concrete offshore structures. The effects of seismic events on floating structures and partially buoyant structures are briefly discussed. The site-specific assessment of jack-ups in elevated condition is only covered in this document to the extent that the requirements are applicable.
Only earthquake-induced ground motions are addressed in detail. Other geologically induced hazards such as liquefaction, slope instability, faults, tsunamis, mud volcanoes and shock waves are mentioned and briefly discussed.
The requirements are intended to reduce risks to persons, the environment, and assets to the lowest levels that are reasonably practicable. This intent is achieved by using:
a) seismic design procedures which are dependent on the exposure level of the offshore structure and the expected intensity of seismic events;
b) a two-level seismic design check in which the structure is designed to the ultimate limit state (ULS) for strength and stiffness and then checked to abnormal environmental events or the abnormal limit state (ALS) to ensure that it meets reserve strength and energy dissipation requirements. Procedures and requirements for a site-specific probabilistic seismic hazard analysis (PSHA) are addressed for offshore structures in high seismic areas and/or with high exposure levels. However, a thorough explanation of PSHA procedures is not included.

Where a simplified design approach is allowed, worldwide offshore maps, which are included in Annex B, show the intensity of ground shaking corresponding to a return period of 1 000 years. In such cases, these maps can be used with corresponding scale factors to determine appropriate seismic actions for the design of a structure, unless more detailed information is available from local code or site-specific study.
NOTE For design of fixed steel offshore structures, further specific requirements and recommended values of design parameters (e.g. partial action and resistance factors) are included in ISO 19902, while those for fixed concrete offshore structures are contained in ISO 19903. Seismic requirements for floating structures are contained in ISO 19904, for site-specific assessment of jack-ups and other MOUs in the ISO 19905 series, for arctic structures in ISO 19906 and for topsides structures in ISO 19901-3.

SIST EN ISO 19905-3:2022 SIST EN ISO 19905-3:2020
2022-09 (po) (en;fr;de) 31 str. (G)
Industrija za predelavo nafte in zemeljskega plina - Ocenjevanje premičnih naftnih ploščadi na področju postavitve - 3. del: Plavajoče enote (ISO 19905-3:2021)
Petroleum and natural gas industries - Site-specific assessment of mobile offshore units - Part 3: Floating units (ISO 19905-3:2021)
Osnova: EN ISO 19905-3:2022
ICS: 75.180.10

This document specifies requirements and recommendations for the site-specific assessment of mobile floating units for use in the petroleum and natural gas industries. It addresses the installed phase, at a specific site, of manned non-evacuated, manned evacuated and unmanned mobile floating units.
This document addresses mobile floating units that are monohull (e.g. ship-shaped vessels or barges); column-stabilized, commonly referred to as semi-submersibles; or other hull forms (e.g. cylindrical/conical shaped). It is not applicable to tension leg platforms. Stationkeeping can be provided by a mooring system, a thruster assisted mooring system, or dynamic positioning. The function of the unit can be broad, including drilling, floatel, tender assist, etc. In situations where hydrocarbons are being produced, there can be additional requirements.
This document does not address all site considerations, and certain specific locations can require additional assessment.
This document is applicable only to mobile floating units that are structurally sound and adequately maintained, which is normally demonstrated through holding a valid RCS classification certificate.
This document does not address design, transportation to and from site, or installation and removal from site.
This document sets out the requirements for site-specific assessments, but generally relies on other documents to supply the details of how the assessments are to be undertaken. In general:
- ISO 19901 7 is referenced for the assessment of the stationkeeping system;
- ISO 19904 1 is referenced to determine the effects of the metocean actions on the unit;
- ISO 19906 is referenced for arctic and cold regions;
- the hull structure and air gap are assessed by use of a comparison between the site-specific metocean conditions and its design conditions, as set out in the RCS approved operations manual;
- ISO 13624 1 and ISO/TR 13624 2[1] are referenced for the assessment of the marine drilling riser of mobile floating drilling units. Equivalent alternative methodologies can be used;
- IMCA M 220 is referenced for developing an activity specific operating guidelines. Agreed alternative methodologies can be used.

NOTE RCS rules and the IMO MODU code[13] provide guidance for design and general operation of mobile floating units.

SIST EN ISO 20031:2022
2022-09 (po) (en;fr;de) 42 str. (I)
Radiološka zaščita - Nadzorovanje in dozimetrija notranje izpostavljenosti zaradi kontaminacije rane z radionuklidi (ISO 20031:2020)
Radiological protection - Monitoring and dosimetry for internal exposures due to wound contamination with radionuclides (ISO 20031:2020)
Osnova: EN ISO 20031:2022
ICS: 13.280

This document specifies the requirements for personal contamination monitoring and dose assessment following wounds involving radioactive materials. It includes requirements for the direct monitoring at the wound site, monitoring of uptake of radionuclides into the body and assessment of local and systemic doses following the wound event.
It does not address:
— details of monitoring and assessment methods for specific radionuclides;
— monitoring and dose assessment for materials in contact with intact skin or pre-existing wounds, including hot particles;
— therapeutic protocols. However, the responsible entity needs to address the requirements for decontamination and decorporation treatments if appropriate.

SIST EN ISO 20535:2022
2022-09 (po) (en;fr;de) 12 str. (C)
Obutev - Preskusna metoda za notranjike in vložke - Dimenzijske spremembe po ciklu vlaženja in sušenja (ISO 20535:2019)
Footwear - Test method for insoles and insocks - Dimensional change after cycle of wetting and drying (ISO 20535:2019)
Osnova: EN ISO 20535:2022
ICS: 61.060

This document specifies a method for determining the dimensional change of footwear insoles and insocks after cycle wetting and drying regardless of the material.

SIST EN ISO 24199:2022
2022-09 (po) (en;fr;de) 17 str. (E)
Hlapni proizvodi - Ugotavljanje deleža nikotina v emisijah hlapnih proizvodov - Metoda plinske kromatografije (ISO 24199:2022)
Vapour products - Determination of nicotine in vapour product emissions - Gas chromatographic method (ISO 24199:2022)
Osnova: EN ISO 24199:2022
ICS: 71.040.50, 65.160

This document specifies an analytical method to quantify nicotine of collected vapour product emissions by gas chromatography.

SIST EN ISO 3421:2022
2022-09 (po) (en;fr;de) 45 str. (I)
Industrija za predelavo nafte in zemeljskega plina - Vrtalna in proizvodna oprema - Načrtovanje plavajočih vodnikov, nastavitev globine in vgradnja (ISO 3421:2022)
Petroleum and natural gas industries - Drilling and production equipment - Offshore conductor design, setting depth and installation (ISO 3421:2022)
Osnova: EN ISO 3421:2022
ICS: 75.180.10

This document gives requirements for the design, setting depth and installation of conductors used by the offshore petroleum and natural gas industries. This document covers:
- design of the conductor, i.e. determination of the diameter, wall thickness, and steel grade;

- determination of the setting depth for three installation methods, namely, driving, drilling/cementing, and jetting;
- installation requirements for the installation methods, i.e. selection principles, operating procedures and parameters.

This document is applicable to:

- Platform conductors: installed through a guide hole in the platform drill floor and then through guides attached to the jacket at appropriate intervals through the water column to support the conductor withstand metocean actions and prevent excessive displacements.
- Jack-up supported conductors: a temporary conductor used only during drilling operations, which is installed by a jack-up drilling rig. In some cases, the conductor is tensioned by tensioners attached to the drilling rig.
- Free-standing conductors: a self-supporting caisson in cantilever mode installed in shallow water, typically depths of about 10 m to 20 m. It provides sole support for the well and sometimes supports a small access deck and boat landing.
- Subsea wellhead conductors: a fully submerged conductor extending only a few metres above the seafloor.

This document does not apply to drilling risers.

SIST EN ISO 41018:2022
2022-09 (po) (en;fr;de) 25 str. (F)
Upravljanje objektov in storitev - Razvoj politike upravljanja objektov (ISO 41018:2022)
Facility management - Development of a facility management policy (ISO 41018:2022)
Osnova: EN ISO 41018:2022
ICS: 03.080.10

The standard will provide guidance with recommendations on the ways in which an organization can develop FM Policy to support planning of day-to-day operations by translating the organization's FM strategy into implementable actions. The guidance will define the framework for FM policy making that can be used to identify the key principles, decisions and actions that are necessary to establish the FM Policy to meet the organization's strategic intent. Consideration will also be given to identify the overall requirements, expected practices, procedures, protocols and controls to ensure that the FM Policy is fit for purpose. The standard will extend to implementation of the FM Policy, including communication, review and revision, so that it can be maintained as a current document to serve the organization's work into the future.
See enclosed draft outline of ISO 41018 given in ISO/TC 267 document N 308.

SIST EN ISO 8848:2022 SIST EN ISO 8848:2021
2022-09 (po) (en;fr;de) 28 str. (G)
Mala plovila - Daljinski mehanski sistemi krmiljenja (ISO 8848:2022)
Small craft - Remote mechanical steering systems (ISO 8848:2022)
Osnova: EN ISO 8848:2022
ICS: 47.020.70, 47.080

This document specifies design, construction, installation and test requirements for remote mechanical cable steering systems and the output ram interface point to rudders, jet drives, outboard and sterndrive engines for small craft.
It is applicable to three distinct classes of steering systems for use on various types of craft:
— standard duty steering systems, for small craft with single and twin installations of outboard engines with a total over 15 kW power, and with rudders, sterndrives and water-jet drives;
— light duty steering systems, for small craft with a single outboard engine of 15 kW to 40 kW power;
— mini-jet steering systems, excluding personal watercraft.
NOTE Standard and light duty steering systems are mechanically interchangeable. A standard duty steering system can be used on a craft designed for a light duty system. However, a light duty steering system cannot be used on a craft that requires a standard duty steering system. Mini-jet steering systems are mechanically differentiated from the previously mentioned systems and can only be used on mini-jet craft as defined in this document.
This document does not address emergency means for steering the craft.

SIST-TP CEN/TR 17559:2022 SIST-TP CEN/TR 17559:2021
2022-09 (po) (en;fr;de) 42 str. (I)
Alge in izdelki iz alg - Uporaba hrane in krme: Splošni pregled omejitev, postopkov in analitskih metod
Algae and algae products - Food and feed applications: General overview of limits, procedures and analytical methods
Osnova: CEN/TR 17559:2022
ICS: 67.040, 65.120

This document describes product specifications, product characteristics and other relevant information for algae and algae products for food, nutraceutical and animal feed applications. This document is a general overview of available limits, procedures and analytical methods applicable to algae and algae products used for food and feed applications.
This document does not apply to pharmaceutical, cosmetics, fertilizer/biostimulants, chemical and biofuel applications.

SIST-TP CEN/TR 17603-32-21:2022
2022-09 (po) (en;fr;de) 458 str. (2B)
Vesoljska tehnika - Priročnik za lepljenje
Space engineering - Adhesive bonding handbook
Osnova: CEN/TR 17603-32-21:2022
ICS: 49.025.50, 49.140

This handbook is an acceptable way of meeting the requirements of adhesive materials in bonded joints of EN 16603-32 (equivalent to ECSS-E-ST-32).

SIST-TP CEN/TR 17603-32-22:2022
2022-09 (po) (en;fr;de) 488 str. (2B)
Vesoljska tehnika - Priročnik za oblikovanje vstavkov
Space engineering - Insert design handbook
Osnova: CEN/TR 17603-32-22:2022
ICS: 49.140

This handbook recommends engineering inserts and practices for European programs and projects. It may be cited in contracts and program documents as a reference for guidance to meet specific program/project needs.
The target users of this handbook are engineers involved in the design, analysis and verification of launchers and spacecraft in relation to insert usage. The current know-how is documented in this handbook in order to make expertise to all European developers of space systems.
It is a guidelines document, therefore it includes advisory information rather than requirements.

SIST-TP CEN/TR 17603-32-23:2022
2022-09 (po) (en;fr;de) 234 str. (T)
Vesoljska tehnika - Priročnik za pritrdilne elemente
Space engineering - Threaded fasteners handbook
Osnova: CEN/TR 17603-32-23:2022
ICS: 49.030.01, 49.140

The users of this document are engineers involved in design, analysis or verification of joints on structures used for space missions. It is a guidelines document; therefore it includes advisory information rather than requirements.This document is intended to be applicable to any type of joint that is mechanically connected by threaded fasteners (e.g. bolts, screws, etc). It is written for joints made from metallic materials. However, subject to the engineering judgement of the user, many of the procedures presented herein may be applicable to joints made from composite materials.

SIST-TP CEN/TR 17603-32-24:2022
2022-09 (po) (en;fr;de) 462 str. (2B)
Vesoljska tehnika - Upogibanje konstrukcij
Space engineering - Buckling of structures
Osnova: CEN/TR 17603-32-24:2022
ICS: 49.140

This document recommends engineering practices for European programs and projects. It may be cited in contracts and program documents as a reference for guidance to meet specific program/project needs and constraints.
The target users of this handbook are engineers involved in design, analysis and verification of launchers and spacecraft in relation to structural stability issues. The current know-how is documented in this handbook in order to make this expertise available to all European developers of space systems.
It is a guidelines document; therefore it includes advisory information rather than requirements.

SIST-TP CEN/TR 17603-32-25:2022
2022-09 (po) (en;fr;de) 540 str. (2C)
Vesoljska tehnika - Priročnik za načrtovanje in preverjanje mehanskih udarcev
Space engineering - Mechanical shock design and verification handbook
Osnova: CEN/TR 17603-32-25:2022
ICS: 49.140

The intended users of the “Mechanical shock design and verification handbook” are engineers involved in design, analysis and verification in relation to shock environment in spacecraft. The current know-how relevant to mechanical shock design and verification is documented in this handbook in order to make this expertise available to all European spacecraft and payload developers.
The handbook provides adequate guidelines for shock design and verification; therefore it includes advisory information, recommendations and good practices, rather than requirements.
The handbook covers the shock in its globally, from the derivation of shock input to equipment and sub-systems inside a satellite structure, until its verification to ensure a successful qualification, and including its consequences on equipment and sub-systems. However the following aspects are not treated herein:
- No internal launcher shock is treated in the frame of this handbook even if some aspects are common to those presented hereafter. They are just considered as a shock source (after propagation in the launcher structure) at launcher/spacecraft interface.
- Shocks due to fall of structure or equipment are not taken into account as they are not in the frame of normal development of a spacecraft.

SIST-TP CEN/TR 17603-32-26:2022
2022-09 (po) (en;fr;de) 502 str. (2C)
Vesoljska tehnika - Priročnik za analizo mehanskih obremenitev vesoljskih plovil
Space engineering - Spacecraft mechanical loads analysis handbook
Osnova: CEN/TR 17603-32-26:2022
ICS: 49.140

This document recommends engineering practices for European programs and projects. It may be cited in contracts and program documents as a reference for guidance to meet specific program/project needs and constraints.
The target users of this handbook are engineers involved in design, analysis and verification of spacecraft and payloads in relation to general structural loads analysis issues. The current know-how is documented in this handbook in order to make this expertise available to all European developers of space systems.
It is a guidelines document; therefore it includes advisory information rather than requirements.

SIST-TP CEN/TR 17603-40:2022
2022-09 (po) (en;fr;de) 198 str. (R)
Vesoljska tehnika - Priročnik o programski opremi
Space engineering - Software engineering handbook
Osnova: CEN/TR 17603-40:2022
ICS: 35.080, 49.140

This Handbook provides advice, interpretations, elaborations and software engineering best practices for the implementation of the requirements specified in EN 16603-40 (based on ECSS-E-ST-40C). The handbook is intended to be applicable to both flight and ground. It has been produced to complement the EN 16603-40 Standard, in the area where space project experience has reported issues related to the applicability, the interpretation or the feasibility of the Standard. It should be read to clarify the spirit of the Standard, the intention of the authors or the industrial best practices when applying the Standard to a space project.
The Handbook is not a software engineering book addressing the technical description and respective merits of software engineering methods and tools.

SIST-TP CEN/TR 17603-40-01:2022
2022-09 (po) (en;fr;de) 105 str. (N)
Vesoljska tehnika - Priročnik o spreminjajočem se razvoju programske opreme
Space engineering - Agile software development handbook
Osnova: CEN/TR 17603-40-01:2022
ICS: 35.080, 49.140

This Handbook provides recommendations for the implementation of an Agile approach in space software projects complying with EN 16603-40 (based on ECSS-E-ST-40) and EN 16602-80 (based on ECSS-Q-ST-80).
This handbook is not an Agile development book, though it provides an Agile reference model based on Scrum and also covers other major Agile methods and techniques. Scrum has been selected as reference because of its widespread application in industry and its flexibility as a development framework to introduce or merge with other Agile methods and techniques. In relation to the EN 16603-40 and EN 16602-80, this handbook does not provide any tailoring of their requirements due to the use of the Agile approach, but demonstrates how compliance towards ECSS can be achieved. This handbook does not cover contractual aspects for this particular engineering approach, although it recognises that considering the approach of fixing cost and schedule and making the scope of functionalities variable, the customer and supplier need to establish specific contractual arrangements. Furthermore, it does not impose a particular finality for the use of Agile, either as a set of team values, project management process, specific techniques or supporting exploration by prototypes.

SIST-TP CEN/TR 17603-50:2022
2022-09 (po) (en;fr;de) 255 str. (T)
Vesoljska tehnika - Smernice za komuniciranje
Space engineering - Communication guidelines
Osnova: CEN/TR 17603-50:2022
ICS: 49.140

This ECSS handbook is intended to help implementers and users of data handling systems who are adhering to the EN 16603-50 (equivalent to ECSS-E-ST-50) series of standards. The handbook provides an overview of the EN 16603-50 standards and related CCSDS Recommended Standards and describes how the individual standards may be used together to form a coherent set of communications protocols. It also evaluates issues which could not be discussed in the Standards documents themselves, and provides guidance on option selection and implementation choices.
It provides guidance to the EN 16603-50 series of standards including related CCSDS Recommendations. The information provided is informative and intended to be used as best practice; it is not binding on implementers.
The information contained in this handbook is not part of the Standards. In the event of any conflict between the Standards and the material presented in this handbook, the ECSS Standards prevail.

SIST-TS CEN ISO/TS 23625:2022
2022-09 (po) (en;fr;de) 16 str. (D)
Mala plovila - Litij-ionske baterije (ISO/TS 23625:2021)
Small craft - Lithium-ion batteries (ISO/TS 23625:2021)
Osnova: CEN ISO/TS 23625:2022
ICS: 47.080

This document provides requirements and recommendations for the selection and installation of lithium-ion batteries for boats. It applies to lithium-ion batteries and to battery systems with a capacity greater than 600 Wh, installed on small craft for providing power for general electrical loads and/or to electric propulsion systems. It is primarily intended for manufacturers and battery installers.

SIST-TS CEN ISO/TS 3250:2022
2022-09 (po) (en;fr;de) 80 str. (L)
Petrokemična industrija ter industrija za predelavo nafte in zemeljskega plina - Izračun in poročanje o učinkovitosti proizvodnje v fazi obratovanja (ISO/TS 3250:2021)
Petroleum, petrochemical and natural gas industries - Calculation and reporting production efficiency in the operating phase (ISO/TS 3250:2021)
Osnova: CEN ISO/TS 3250:2022
ICS: 75.020

This document provides requirements and guidance for reporting of production performance data and production loss data in the operating phase by use of production loss categorization. It supplements the principles of ISO 20815:2018, Clause E.3 and Annex G by providing additional details.
This document focusses on installations and asset elements within the upstream business category. Business categories and associated installations and plants/units, systems and equipment classes are used in line with ISO 14224:2016, Annex A.
The production loss categories given in Annex A are given at a high taxonomic level and supplements the reporting of failure and maintenance parameters as defined in ISO 14224:2016, Annex B.

SIST-TS CEN/TS 14826:2022 SIST-TS CEN/TS 14826:2005
2022-09 (po) (en;fr;de) 30 str. (G)
Poštne storitve - Avtomatska identifikacija pošiljk - Specifikacija kakovosti tiska dvodimenzionalnega simbola črtne kode za strojno branje digitalne poštne označbe
Postal services - Automatic identification of items - Two dimensional bar code symbol print quality specification for machine readable Digital Postage Marks
Osnova: CEN/TS 14826:2022
ICS: 35.240.69, 35.040.50, 03.240

This document:
- specifies a methodology for the measurement of defined print quality attributes of Digital Postage Marks in the form of two-dimensional bar code symbols on mail-pieces,
- defines methods for grading the results of these measurements and deriving an overall symbol quality grade as a guide to estimating the readability of the Digital Postage Marks,
- provides guidelines for printing and gives information on possible causes of deviation from high grades to assist users in taking appropriate corrective action,
- defines a test procedure for the assessment of printing systems for the production of Digital Postage Marks.
These provisions apply to the Digital Postage Mark blocks as they appear on fully produced mail items when remitted to postal operators, including the characteristics resulting from operations other than printing per se that affect their appearance to a mail processing system (covering, inserts into transparent window envelopes, affixed Digital Postage Mark labels). This document does not define the qualification tests or sampling requirements necessary to determine the practical feasibility of any specific read rate.

Objave SIST [elektronski vir]

ISSN 1854-1631
Izdal: Slovenski inštitut za standardizacijo
Ulica gledališča BTC 2, Ljubljana
Direktorica: mag. Marjetka Strle Vidali
Oblikovanje naslovnice: mag. Barbara Dovečar
Elektronska publikacija, objavljena na spletni strani www.sist.si
september 2022