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

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

Objava novih slovenskih nacionalnih standardov

SIST/TC AGO Alternativna goriva iz odpadkov

SIST EN ISO 14780:2017/A1:2019
2019-12 (po) (en;fr;de) 7 str. (B)
Trdna biogoriva - Priprava vzorcev - Dopolnilo A1 (ISO 14780:2017/Amd 1:2019)
Solid biofuels - Sample preparation - Amendment 1 (ISO 14780:2017/Amd 1:2019)
Osnova: EN ISO 14780:2017/A1:2019
ICS: 75.160.10, 75.160.40

Dopolnilo A1:2019 je dodatek k standardu SIST EN ISO 14780:2017.
Predlagani mednarodni standard opisuje metode za zmanjšanje kombiniranih vzorcev (ali vzorcev) na laboratorijske vzorce in laboratorijskih vzorcev na podvzorce ter splošne analizne vzorce, uporablja pa se tudi za trdna biogoriva. Metode, ki so opisane v tem predlaganem dokumentu, se lahko uporabijo za pripravo vzorcev, ko je potrebno preskusiti na primer kalorično vrednost, vsebnost vlage, vsebnost pepela, prostorninsko maso, odpornost, porazdelitev velikosti delcev, lastnosti pepela pri taljenju, kemično sestavo in nečistoče. Te metode niso namenjene za uporabo pri zelo velikih vzorcih, ki so potrebni za preskušanje premostitvenih lastnosti.

SIST/TC AKU Akustika

SIST EN 14366:2005+A1:2019 SIST EN 14366:2005
SIST EN 14366:2005/oprA1:2018
2019-12 (po) (en;fr;de) 20 str. (E)
Laboratorijsko merjenje hrupa pri napeljavah za odpadno vodo
Laboratory measurement of noise from waste water installations
Osnova: EN 14366:2004+A1:2019
ICS: 91.140.80, 17.140.20

This document: - specifies methods for the measurement of airborne and structure-borne sound produced in waste water and rain water installations under laboratory conditions; - defines the expression of the results. It is applicable to waste water piping systems and parts thereof, but not to the actual sources of the wastewater, e.g. lavatories, toilets and bathtubs or any active units. It applies to pipes with natural ventilation and made of any common material in commonly used diameters (up to 150 mm).
The results obtained can be used for the comparison of products and materials. It may serve in estimating the behaviour of waste water systems in a building under certain conditions. Nevertheless, this standard does not provide a normalized procedure for calculating the acoustical properties of such installations in a building.

SIST EN ISO 3743-2:2019 SIST EN ISO 3743-2:2009
2019-12 (po) (en) 48 str. (I)
Akustika - Ugotavljanje ravni zvočnih moči virov hrupa z merjenjem zvočnega tlaka - Inženirske metode za majhne premične vire v odmevnih poljih - 2. del: Metode za posebne odmevnice (ISO 3743-2:2018)
Acoustics - Determination of sound power levels of noise sources using sound pressure - Engineering methods for small, movable sources in reverberant fields - Part 2: Methods for special reverberation test rooms (ISO 3743-2:2018)
Osnova: EN ISO 3743-2:2019
ICS: 17.140.01

This document specifies a relatively simple engineering method for determining the sound power levels of small, movable noise sources. The methods specified in this document are suitable for measurements of all types of noise within a specified frequency range, except impulsive noise consisting of isolated bursts of sound energy which are covered by ISO 3744 and ISO 3745.

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

SIST EN 62760:2016/A1:2019
2019-12 (po) (en;fr;de) 6 str. (B)
Metoda zvočnega predvajanja za normalizirano raven glasnosti (IEC 62760:2016/A1:2019)
Audio reproduction method for normalized loudness level (TA 20) (IEC 62760:2016/A1:2019)
Osnova: EN 62760:2016/A1:2019
ICS: 33.160.30, 17.140.01

Dopolnilo A1:2019 je dodatek k standardu SIST EN 62760:2016.
Ta mednarodni standard določa metodo zvočnega predvajanja za normalizirano raven glasnosti zvočnih virov za potrošniško opremo in sisteme.

SIST/TC BBB Beton, armirani beton in prednapeti beton

SIST EN 12390-16:2019
2019-12 (po) (en;fr;de) 13 str. (D)
Preskušanje strjenega betona - 16. del: Določanje krčenja betona
Testing hardened concrete - Part 16: Determination of the shrinkage of concrete
Osnova: EN 12390-16:2019
ICS: 91.100.30

This document specifies the procedure for the determination of total shrinkage of concrete specimens in drying conditions.
NOTE 1 Possible shrinkage or length changes occurring before 24 h of age, and which may have significant amplitude and/or consequences, e.g. for high performance concrete and/or in case of restraint, may need to be measured according to a complementary procedure not covered by the present standard.
NOTE 2 Information on a simplified procedure for the determination of autogenous shrinkage is given in Annex A.
The test is suitable for specimens having a declared value of D of the coarsest fraction of aggregates actually used in the concrete (Dmax) not greater than 32 mm.

SIST EN 12390-17:2019
2019-12 (po) (en;fr;de) 16 str. (D)
Preskušanje strjenega betona - 17. del: Določanje lezenja betona pri tlačnem preskusu
Testing hardened concrete - Part 17: Determination of creep of concrete in compression
Osnova: EN 12390-17:2019
ICS: 91.100.30

This document describes the procedure for determining the creep (total, autogenous (basic) and drying) of hardened concrete test specimens subjected to a sustained longitudinal compressive load. The test is suitable for specimens having a declared value of D of the coarsest fraction of aggregates actually used in the concrete (Dmax) not greater than 32 mm.

SIST EN 12390-4:2019 SIST EN 12390-4:2001
2019-12 (po) (en;fr;de) 16 str. (D)
Preskušanje strjenega betona - 4. del: Tlačna trdnost - Specifikacija za stiskalnice
Testing hardened concrete - Part 4: Compressive strength - Specification for testing machines
Osnova: EN 12390-4:2019
ICS: 91.100.30

This document specifies the requirements for the performance of compression testing machines for the measurement of the compressive strength of concrete.

SIST/TC CES Ceste

SIST EN 12697-53:2019
2019-12 (po) (en;fr;de) 12 str. (C)
Bitumenske zmesi - Preskusne metode - 53. del: Povečanje kohezije z metodo merjenja razširjanja
Bituminous mixtures - Test methods - Part 53: Cohesion increase by spreadability-meter method
Osnova: EN 12697-53:2019
ICS: 93.080.20

The aim of the test is to determine the cohesion increase of a bituminous mixture in fixed temperature and hygrometry conditions, using a spreadability-meter. This European Standard specifies a method to measure the spreadability characteristics of asphalt which are able to vary with time. It may be used for the determination of the delay between manufacturing and laying. It is intended to be assistance for mixture design rather than a type test. This European Standard applies to bituminous mixtures both those made up in laboratory and those resulting from work site sampling, with an upper aggregate size not larger than 31,5 mm. It is not applicable to mastic asphalt.

SIST EN 12697-54:2019
2019-12 (po) (en;fr;de) 15 str. (D)
Bitumenske zmesi - Preskusne metode - 54. del: Priprava vzorcev za preskus zmesi z bitumensko emulzijo
Bituminous mixtures - Test methods - Part 54: Curing of specimen for test of mixtures with bitumen emulsion
Osnova: EN 12697-54:2019
ICS: 93.080.20

This European Standard describes a series of accelerated protocols for curing of bituminous mixtures with bitumen emulsion in order to assess their properties. The protocols should be selected according to the type of mixture, the type of specimen, the test to be carried out and the conditions of the place of use. This European Standard applies on mixtures, specimens and cores, prepared in the laboratory and/or taken from the worksite. The laboratory curing procedure is designed for asphalt mixtures containing bitumen emulsions, but it could also be used for other types of asphalt mixture that require curing in order to reach their potential strength.

SIST EN 12697-55:2019
2019-12 (po) (en;fr;de) 9 str. (C)
Bitumenske zmesi - Preskusne metode - 55. del: Organoleptična ocena zmesi z bitumensko emulzijo
Bituminous mixtures - Test methods - Part 55: Organoleptic assessment of mixtures with bitumen emulsion
Osnova: EN 12697-55:2019
ICS: 93.080.20

This European Standard defines three procedures to evaluate the compatibility of the constituent materials of a bituminous mixture with bitumen emulsion. These organoleptic methods can be used together to evaluate the compatibility of the constituent materials after a hand mixing procedure for given emulsion and water content:
- Method A describes a test method to determine visually the degree of coating;
- Method B describes a test method to determine the hydric aspect;
- Method C describes a test method to determine the consistency.
This European Standard applies on mixtures prepared in laboratory or taken from the plant.

SIST EN 12697-56:2019
2019-12 (po) (en;fr;de) 8 str. (B)
Bitumenske zmesi - Preskusne metode - 56. del: Priprava preskušancev s statičnim zgoščevanjem
Bituminous mixtures - Test methods - Part 56: Specimen preparation by static compaction
Osnova: EN 12697-56:2019
ICS: 93.080.20

This European Standard specifies a method for compacting cylindrical specimens of bituminous mixtures, to be used for subsequent testing. A given mass of bituminous mixture is compacted in a cylindrical mould by applying static compression loads on the top and the bottom of the specimen.

SIST EN 13108-31:2019
2019-12 (po) (en;fr;de) 42 str. (I)
Bitumenske zmesi - Specifikacije materialov - 31. del: Bitumenski beton z bitumensko emulzijo
Bituminous mixtures - Material specifications - Part 31: Asphalt Concrete with Bituminous Emulsion
Osnova: EN 13108-31:2019
ICS: 93.080.20

This European Standard specifies requirements for plant mixtures of the mix group Asphalt concrete with bituminous emulsion for use on roads, and other trafficked areas. Asphalt concrete with bituminous emulsion is used for surface courses, binder courses, regulating courses, and bases. It is a mixture in which mechanical properties evolve over time following installation. This is not just in terms of cooling, as other asphalts, but also includes curing effects.
NOTE Asphalt concrete with bituminous emulsion is a mixture in which mechanical properties evolve over time following installation because of curing.
Mixtures utilizing bituminous emulsion based on in situ recycling are not covered by this standard.
This European Standard includes requirements for the selection of the constituent materials. It is designed to be read in conjunction with:
- Annex A Product Type Assessment (Normative);
- Annex B Performance characteristic assessment (Informative);
- Annex C Factory Production Control (Normative).

SIST/TC DPL Oskrba s plinom

SIST EN 16723-2:2017/A101:2019
2019-12 (sl) 2 str. (SA)
Zemeljski plin in biometan za uporabo v prometu in biometan za dodajanje v omrežje zemeljskega plina - 2. del: Specifikacije goriv za motorna vozila - Nacionalni dodatek
Natural gas and biomethane for use in transport and biomethane for injection in the natural gas network - Part 2: Automotive fuels specification - National Annex
Osnova:
ICS: 43.060.40, 75.160.30

Nacionalni dodatek A101:2019 je dodatek k standardu SIST EN 16723-2:2017.
Ta standard določa zahteve in preskusne metode za zemeljski plin, biometan in mešanice obeh ob uporabi kot goriva za motorna vozila. Ta standard se uporablja za prej navedena goriva ne glede na stanje skladiščenja (stisnjena ali utekočinjena).
OPOMBA: Za preverjanje skladnosti z nekaterimi zahtevami, ki jih določa standard, je treba utekočinjen zemeljski plin ali utekočinjen biometan pred preskušanjem ponovno upliniti.

SIST/TC DPN Delo pod napetostjo

SIST EN 50186-2:2001/A1:2019
2019-12 (po) (en;fr) 4 str. (A)
Čistilni sistem vodnikov pod napetostjo za močnostne inštalacije z nazivno napetostjo nad 1 kV - 2. del: Nacionalna dopolnila - Dopolnilo A1
Live-line washing systems for power installations with nominal voltages above 1kV - Part 2: Specific national requirements (national annexes to EN 50186-1:1998)
Osnova: EN 50186-2:1998/A1:2019
ICS: 29.260.10

Dopolnilo A1:2019 je dodatek k standardu SIST EN 50186-2:2001.
Ta del standarda vsebuje nacionalna dopolnila.

SIST/TC DTN Dvigalne in transportne naprave

SIST ISO 4309:2019
2019-12 (po) (en;fr) 65 str. (K)
Žerjavi - Žične vrvi - Previdnost, vzdrževanje, pregledi in izločanje
Cranes - Wire ropes - Care and maintenance, inspection and discard
Osnova: ISO 4309:2017
ICS: 53.020.30

This standard establishes general principles for the care and maintenance, and inspection and discard of steel wire ropes used on cranes and hoists. In addition to guidance on storage, handling, installation and maintenance, this document provides discard criteria for those running ropes which are subjected to multi-layer spooling, where both field experience and testing demonstrate that deterioration is significantly greater at the crossover zones on the drum than at any other section of rope in the system. It also provides more realistic discard criteria covering decreases in rope diameter and corrosion, and gives a method for assessing the combined effect of deterioration at any position in the rope. This document is applicable to those ropes used on the following types of cranes, the majority of which are defined in ISO 4306-1: a) cable and portal cable cranes; b) cantilever cranes (pillar jib, wall or walking); c) deck cranes; d) derrick and guy derrick cranes; e) derrick cranes with rigid bracing; f) floating cranes; g) mobile cranes; h) overhead travelling cranes; i) portal or semi-portal bridge cranes; j) portal or semi-portal cranes; k) railway cranes; l) tower cranes; m) offshore cranes, i.e. cranes mounted on a fixed structure supported by the sea bed or on a floating unit supported by buoyancy forces. This document applies to rope on cranes, winches and hoists used for hook, grabbing, magnet, ladle, excavator or stacking duties, whether operated manually, electrically or hydraulically. It also applies to rope used on hoists and hoist blocks.

SIST/TC ELI Nizkonapetostne in komunikacijske električne inštalacije

SIST EN IEC 63044-5-1:2019 SIST EN 50491-5-1:2011
2019-12 (po) (en) 24 str. (F)
Splošne zahteve za stanovanjske in stavbne elektronske sisteme (HBES) in sisteme za avtomatizacijo in krmiljenje stavb (BACS) - 5-1. del: Zahteve, pogoji in priprava preskusov EMC
General requirements for Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS) - Part 5-1: EMC requirements, conditions and test set-up
Osnova: EN IEC 63044-5-1:2019
ICS: 97.120, 35.240.67

This document is a product family standard that sets the minimum level of EMC performance for the HBES/BACS network in addition to the product EMC standards for HBES/BACS devices. It also applies to devices used within an HBES/BACS network for which no specific HBES/BACS product EMC standard exists. In addition, it defines EMC requirements for the interface of equipment intended to be connected to an HBES/BACS network. It does not apply to interfaces to other networks. NOTE An example of other networks is a dedicated ICT network covered by CISPR 22 and 23. This document provides general performance requirements and test set-ups. This document is applicable (but not limited) to - operator stations and other human-system interface devices, - devices for management functions, - control devices, automation stations and application-specific controllers, - field devices and their interfaces, - cabling and interconnection of devices, used within a dedicated HBES/BACS network.

SIST EN IEC 63044-5-2:2019 SIST EN 50491-5-2:2011
2019-12 (po) (en) 17 str. (E)
Splošne zahteve za stanovanjske in stavbne elektronske sisteme (HBES) in sisteme za avtomatizacijo in krmiljenje stavb (BACS) - 5-2. del: Zahteve EMC za HBES/BACS, ki se uporabljajo v bivalnih in poslovnih okoljih ter v okoljih z lahko industrijo
General requirements for Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS) - Part 5-2: EMC requirements for HBES/BACS used in residential, commercial and light industry environment
Osnova: EN IEC 63044-5-2:2019
ICS: 97.120, 35.240.67

This document specifies EMC requirements for HBES/BACS to be installed in residential, commercial and light-industrial environments, according to the definition given in IEC 61000-6-1.

SIST EN IEC 63044-5-3:2019 SIST EN 50491-5-3:2011
2019-12 (po) (en) 11 str. (C)
Splošne zahteve za stanovanjske in stavbne elektronske sisteme (HBES) in sisteme za avtomatizacijo in krmiljenje stavb (BACS) - 5-3. del: Zahteve EMC za HBES/BACS, ki se uporabljajo v industrijskih okoljih
General requirements for Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS) - Part 5-3: EMC requirements for HBES/BACS used in indus try environment
Osnova: EN IEC 63044-5-3:2019
ICS: 97.120, 35.240.67

This document specifies EMC requirements for HBES/BACS to be installed in industrial environments, according to the definition given in IEC 61000-6-2.

SIST/TC EMC Elektromagnetna združljivost

SIST EN IEC 61000-3-11:2019 SIST EN 61000-3-11:2001
2019-12 (po) (en) 22 str. (F)
Elektromagnetna združljivost (EMC) - 3-11. del: Mejne vrednosti - Omejitev vrednosti kolebanja napetosti in flikerja v nizkonapetostnih napajalnih sistemih - Oprema z naznačenim tokom <= 75 A, priključena pod posebnimi pogoji
Electromagnetic compatibility (EMC) - Part 3-11: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems - Equipment with rated current <= 75 A and subject to conditional connection
Osnova: EN IEC 61000-3-11:2019
ICS: 33.100.10

This document is concerned with the emission of voltage changes, voltage fluctuations and flicker produced by equipment and impressed on the public low-voltage supply system. It specifies the limits of voltage changes produced by equipment tested under specified conditions. This document is primarily applicable to electrical and electronic equipment having a rated input current from 16 A up to and including 75 A, which is intended to be connected to public low-voltage distribution systems having nominal system voltages of between 220 V and 250 V, line-to-neutral at 50 Hz, and which is subject to conditional connection. This document is also applicable to equipment within the scope of IEC 61000-3-3 that does not meet the limits when tested or evaluated with reference impedance Zref and is therefore subject to conditional connection. Equipment which meets the requirements of IEC 61000-3-3 is excluded from this part of IEC 61000. Equipment tests made in accordance with this document are type tests.

SIST EN IEC 61000-4-18:2019/AC:2019
2019-12 (po) (en,fr) 3 str. (AC)
Elektromagnetna združljivost (EMC) - 4-18. del: Preskusne in merilne tehnike - Preskus odpornosti proti nihajnemu valu - Popravek AC
Electromagnetic compatibility (EMC) - Part 4-18: Testing and measurement techniques - Damped oscillatory wave immunity test
Osnova: EN IEC 61000-4-18:2019/AC:2019-10
ICS: 33.100.20

Popravek AC:2019 je popravek k standardu SIST EN IEC 61000-4-18:2019.
Ta del standarda IEC 61000 se osredotoča na zahteve glede odpornosti ter preskusne metode za električno in elektronsko opremo pri obratovalnih pogojih v zvezi z naslednjim:
a) ponavljajoči se počasni pridušeni nihajni valovi, ki se pojavljajo predvsem v napajalnih, krmilnih in signalnih kablih v visokonapetostnih ter srednjenapetostnih (HV/MV) postajah;
b) ponavljajoči se hitri pridušeni nihajni valovi, ki se pojavljajo predvsem v napajalnih, krmilnih in signalnih kablih v s plinom izoliranih postajah (GIS) ter v nekaterih primerih tudi v z zrakom izoliranih postajah (AIS) ali v kateri koli inštalaciji zaradi pojava elektromagnetnih impulzov z velikih višin (HEMP).
Cilj tega dokumenta je vzpostaviti skupno in ponovljivo sklicevanje za oceno odpornosti električne ter elektronske opreme, podvržene pridušenim nihajnim valovom na napajalnih, signalnih, krmilnih in ozemljitvenih vratih. Preskusna metoda, dokumentirana v tem delu standarda IEC 61000, opisuje skladno metodo za oceno odpornosti opreme ali sistema proti opredeljenemu pojavu.
OPOMBA: To je osnovna objava o elektromagnetni združljivosti, ki jo uporabljajo tehnični odbori v okviru Mednarodne elektrotehniške komisije (IEC), kot je opisano v vodilu 107 Mednarodne elektrotehniške komisije.
Poleg tega je v vodilu 107 navedeno, da so tehnični odbori v okviru Mednarodne elektrotehniške komisije odgovorni za določitev morebitne uporabe tega standarda s preskusom odpornosti, v primeru uporabe pa so odgovorni za določitev ustreznih preskusnih ravni in meril učinkovitosti. 1
Dokument določa:
– preskusno napetost in valovno obliko toka;
– obseg preskusnih ravni;
– opremo za preskušanje;

– postopke za umerjanje in preverjanje preskusne opreme;
– postavitve za preskušanje;
– preskusni postopek.

SIST/TC EPO Embalaža - prodajna in ovojna

SIST EN 17220:2019
2019-12 (po) (en;fr;de) 10 str. (C)
Embalaža - Prožne aluminijaste tube - Odprtine/šobe
Packaging - Flexible aluminium tubes - Tube nozzles
Osnova: EN 17220:2019
ICS: 77.150.10, 55.120

This document is applicable to flexible aluminium tubes. This document defines the dimensions of the tube nozzle including orifice and thread.

SIST/TC EPR Električni pribor

SIST EN IEC 60934:2019
SIST EN 60934:2003
SIST EN 60934:2003/A1:2007
SIST EN 60934:2003/A2:2013
2019-12 (po) (en;fr;de) 122 str. (O)
Odklopniki za opremo (CBE) (IEC 60934:2019)
Circuit-breakers for equipment (CBE) (IEC 60934:2019)
Osnova: EN IEC 60934:2019
ICS: 29.120.50, 29.120.40

This document is applicable to mechanical switching devices designed as "circuit-breakers for equipment" (CBE) for household and similar applications. CBEs according to this document are intended to provide protection to circuits within electrical equipment including its components (e.g. motors, transformers, internal wiring). This document covers also CBEs applicable for protection of electrical equipment in case of undervoltage and/or overvoltage. This document also covers CBEs which are suitable for isolation. CBEs are not applicable for overcurrent protection of wiring installations of buildings. CBEs according to this document have: - a rated voltage not exceeding 440 V AC (between phases) and/or DC not exceeding 250 V; - a rated current not exceeding 125 A; - a short-circuit capacity (Icn) of at least 6 × In (AC types) and 4 × In (DC types) but not exceeding 3 000 A. CBEs may have a conditional short-circuit current (Inc) rating in association with a specified short-circuit protective device (SCPD). A guide for coordination of a CBE associated in the same circuit with a SCPD is given in Annex F. For CBEs having a degree of protection higher than IP20 according to IEC 60529, for use in locations where hazardous environmental conditions prevail (e.g. excessive humidity, heat or cold or deposition of dust) and in hazardous locations (e.g. where explosions are liable to occur), special constructions may be required. This document contains all the requirements necessary to ensure compliance with the operational characteristics required for these devices by type tests. It also contains the details relative to test requirements and methods of testing necessary to ensure reproducibility of test results. This document states: a) the characteristics of CBEs; b) the conditions with which CBEs shall comply, with reference to: 1) their operation and behaviour in normal service; 2) their operation and behaviour in case of overload; 3) their operation and behaviour in case of short-circuits up to their rated short-circuit capacity; 4) their dielectric properties; c) the tests intended for confirming that these conditions have been met and the methods to be adopted for the tests; d) the data to be marked on the devices; e) the test sequences to be carried out and the number of samples to be submitted for certification purposes (see Annex C); f) the routine tests to be carried out to reveal unacceptable variations in material or manufacture, likely to affect safety (see Annex I).

SIST/TC EXP Električni aparati za eksplozivne atmosfere

SIST EN 1127-1:2019 SIST EN 1127-1:2011
2019-12 (po) (en;fr;de) 47 str. (I)
Eksplozivne atmosfere - Protieksplozijska zaščita - 1. del: Osnovni pojmi in metodologija
Explosive atmospheres - Explosion prevention and protection - Part 1: Basic concepts and methodology
Osnova: EN 1127-1:2019
ICS: 13.230

This document specifies methods for the identification and assessment of hazardous situations leading to explosion and the design and construction measures appropriate for the required safety. This is achieved by: - risk assessment; - risk reduction. The safety of equipment, protective systems and components can be achieved by eliminating hazards and/or limiting the risk, i.e. by: a) appropriate design (without using safeguarding); b) safeguarding; c) information for use; d) any other preventive measures. Measures in accordance with a) (prevention) and b) (protection) against explosions are dealt with in Clause 6, measures according to c) against explosions are dealt with in Clause 7. Measures in accordance with d) are not specified in this document. They are dealt with in EN ISO 12100:2010, Clause 6. The preventive and protective measures described in this document will not provide the required level of safety unless the equipment, protective systems and components are operated within their intended use and are installed and maintained according to the relevant codes of practice or requirements. This document specifies general design and construction methods to help designers and manufacturers in achieving explosion safety in the design of equipment, protective systems and components. This document is applicable to any equipment, protective systems and components intended to be used in potentially explosive atmospheres, under atmospheric conditions. These atmospheres can arise from flammable/combustible substances processed, used or released by the equipment, protective systems and components or from materials in the vicinity of the equipment, protective systems and components and/or from the materials of construction of the equipment, protective systems and components. This document is applicable to equipment, protective systems and components at all stages of its use. This document is only applicable to equipment group II which is intended for use in other places than underground parts of mines and those parts of surface installations of such mines endangered by firedamp and/or combustible dust. This document is not applicable to: 1) medical devices intended for use in a medical environment; 2) equipment, protective systems and components where the explosion hazard results exclusively from the presence of explosive substances or unstable chemical substances; 3) equipment, protective systems and components where the explosion can occur by reaction of substances with other oxidizers than atmospheric oxygen or by other hazardous reactions or by other than atmospheric conditions; 4) equipment intended for use in domestic and non-commercial environments where potentially explosive atmospheres may only rarely be created, solely as a result of the accidental leakage of fuel gas; 5) personal protective equipment covered by Regulation (EU) 2016/425; 6) seagoing vessels and mobile offshore units together with equipment on board such vessels or units; 7) means of transport, i.e. vehicles and their trailers intended solely for transporting passengers by air or by road, rail or water networks, as well as means of transport insofar as such means are designed for transporting goods by air, by public road or rail networks or by water; vehicles intended for use in a potentially explosive atmosphere shall not be excluded; 8) the design and construction of systems containing desired, controlled combustion processes, unless they can act as ignition sources in potentially explosive atmospheres.

SIST/TC FGA Funkcionalnost gospodinjskih aparatov

SIST EN IEC 60311:2019 SIST EN 60311:2003
SIST EN 60311:2003/A1:2006
SIST EN 60311:2003/A2:2010

2019-12 (po) (en) 57 str. (J)

Električni likalniki za gospodinjsko ali podobno uporabo - Metode za ugotavljanje lastnosti

Electric irons for household or similar use - Methods for measuring performance

Osnova: EN IEC 60311:2019
ICS: 97.060

This document applies to electric irons for household or similar use. The purpose of this document is to state and define the principal performance characteristics of electric irons for household or similar use which are of interest to the user and to describe the standard methods for measuring these characteristics. Electric irons covered by this standard include - dry irons; - steam irons; - vented steam irons with motor pump; - spray irons; - steam irons with separate water reservoir or boiler/generator having a capacity not exceeding 5 l. This document is concerned neither with safety nor with performance requirements.

SIST EN IEC 62885-8:2019

2019-12 (po) (en) 14 str. (D)

Naprave za površinsko čiščenje - 8. del: Sesalniki za suho sesanje za komercialno uporabo - Metode za merjenje učinkovitosti

Surface cleaning appliances - Part 8: Dry vacuum cleaners for commercial use - Methods for measuring the performance

Osnova: EN IEC 62885-8:2019
ICS: 97.080

This document is applicable for measurements of the performance of mains-operated dry vacuum cleaners, including water filter vacuum cleaners, for commercial use. The requirements for the construction and testing covered by this document are applied in addition to the requirements for commercial vacuum cleaners in IEC 60335-2-69. The purpose of this document is to specify essential performance characteristics of dry vacuum cleaners for commercial use that are of interest to operators and to describe methods for measuring these characteristics.

SIST/TC IEHT Elektrotehnika - Hidravlične turbine

SIST EN IEC 61400-3-1:2019

2019-12 (po) (en) 151 str. (P)

Sistemi za proizvodnjo energije na veter - 3-1. del: Zahteve za načrtovanje fiksnih vetrnih turbin na morju (IEC 61400-3-1:2019)

Wind energy generation systems - Part 3-1: Design requirements for fixed offshore wind turbines (IEC 61400-3-1:2019)

Osnova: EN IEC 61400-3-1:2019
ICS: 27.180

This document specifies additional requirements for assessment of the external conditions at an offshore wind turbine site and specifies essential design requirements to ensure the engineering integrity of fixed offshore wind turbines. Its purpose is to provide an appropriate level of protection against damage from all hazards during the planned lifetime. This document focuses on the engineering integrity of the structural components of an offshore wind turbine but is also concerned with subsystems such as control and protection mechanisms, internal electrical systems and mechanical systems. A wind turbine shall be considered as a fixed offshore wind turbine if the support structure is subject to hydrodynamic loading and it is founded on the seabed. The design requirements specified in this document are not sufficient to ensure the engineering integrity of floating offshore wind turbines. For floating installations, reference is

made to IEC 61400-3-2. In the remainder of this document, the term “offshore wind turbine” is assumed to refer to those that are fixed to the seabed. This document should be used together with the appropriate IEC and ISO standards mentioned in Clause 2. In particular, this document is fully consistent with the requirements of IEC 61400-1. The safety level of the offshore wind turbine designed according to this document shall be at or exceed the level inherent in IEC 61400-1. In some clauses, where a comprehensive statement of requirements aids clarity, replication of text from IEC 61400-1 is included.

SIST/TC IEKA Električni kabli

SIST EN IEC 61238-1-1:2019 SIST EN 61238-1:2004
2019-12 (po) (en) 44 str. (I)
Stisljivi in vijačni konektorji za električne kable - 1-1. del: Preskusne metode in zahteve za stisljive in vijačne konektorje za električne kable za naznačene napetosti do 1 kV (Um = 1,2 kV), preskušene na neizoliranih vodnikih (IEC 61238-1-1:2018)
Compression and mechanical connectors for power cables - Part 1-1: Test methods and requirements for compression and mechanical connectors for power cables for rated voltages up to 1 kV (Um = 1,2 kV) tested on non-insulated conductors (IEC 61238-1-1:2018)
Osnova: EN IEC 61238-1-1:2019
ICS: 29.120.20, 29.060.20

This part of EN 61238 applies to compression and mechanical connectors for power cables for rated voltages up to 1 kV (Um = 1,2 kV), for example buried cables or cables installed in buildings, having
a) conductors complying with EN 60228 having nominal cross-sectional areas between 2,5 mm2 and 1 200 mm2 for copper and between 16 mm2 and 1 200 mm2 for aluminium;
b) a maximum continuous conductor temperature not exceeding 90 °C.
This document is not applicable to connectors for overhead line conductors nor to connectors with a sliding contact.
The object of this document is to define the type test methods and requirements which apply to compression and mechanical connectors for power cables with copper or aluminium conductors. The reference method is to perform the tests on unused conductors.

SIST EN IEC 61238-1-2:2019 SIST EN 61238-1:2004
2019-12 (po) (en) 58 str. (J)
Stisljivi in vijačni konektorji za električne kable - 1-2. del: Preskusne metode in zahteve za prebodne konektorje za električne kable za naznačene napetosti do 1 kV (Um = 1,2 kV), preskušene na izoliranih vodnikih (IEC 61238-1-2:2018)
Compression and mechanical connectors for power cables - Part 1-2: Test methods and requirements for insulation piercing connectors for power cables for rated voltages up to 1 kV (Um = 1,2 kV) tested on insulated conductors (IEC 61238-1-2:2018)
Osnova: EN IEC 61238-1-2:2019
ICS: 29.120.20, 29.060.20

This part of EN 61238 applies to insulation piercing connectors for power cables for rated voltages up to 1 kV (Um = 1,2 kV), for example according to HD 603 or other buried cables and cables installed in buildings, having
a) conductors complying with EN 60228 having nominal cross-sectional areas between 2,5 mm2 and 300 mm2 for copper and between 16 mm2 and 500 mm2 for aluminium,
b) a maximum continuous cable temperature not exceeding the insulation material properties.
This document is not applicable to connectors for overhead line conductors nor to connectors with a sliding contact.
The object of this document is to define the type test methods and requirements, which apply to insulation piercing connectors for power cables with copper or aluminium conductors. The reference method is to perform the tests on unused insulated conductors.

SIST EN IEC 61238-1-3:2019 SIST EN 61238-1:2004

2019-12 (po) (en) 47 str. (I)

Stisljivi in vijačni konektorji za električne kable - 1-3. del: Preskusne metode in zahteve za stisljive in vijačne konektorje za električne kable za naznačene napetosti nad 1 kV (Um = 1,2 kV) do 36 kV (Um = 42 kV), preskušene na neizoliranih vodnikih (IEC 61238-1-3:2018)

Compression and mechanical connectors for power cables - Part 1-3: Test methods and requirements for compression and mechanical connectors for power cables for rated voltages above 1 kV (Um = 1,2 kV) up to 36 kV (Um = 42 kV) tested on non-insulated conductors (IEC 61238-1-3:2018)

Osnova: EN IEC 61238-1-3:2019

ICS: 29.120.20, 29.060.20

This part of EN 61238 applies to compression and mechanical connectors for power cables for rated voltages above 1 kV (Um = 1,2 kV) up to 36 kV (Um = 42 kV), for example buried cables or cables installed in buildings, having

a) conductors complying with EN 60228 having nominal cross-sectional areas between 2,5 mm2 and 1 200 mm2 for copper and between 16 mm2 and 1 200 mm2 for aluminium, excluding Milliken conductors;
b) a maximum continuous conductor temperature not exceeding 90 °C.

This document is not applicable to connectors for overhead line conductors nor to connectors with a sliding contact.

The object of this document is to define the type test methods and requirements which apply to compression and mechanical connectors for power cables with copper or aluminium conductors. The reference method is to perform the tests on unused conductors.

SIST EN IEC 61238-1-3:2019/A11:2019

2019-12 (po) (en;fr) 3 str. (A)

Stisljivi in vijačni konektorji za električne kable - 1-3. del: Preskusne metode in zahteve za stisljive in vijačne konektorje za električne kable za naznačene napetosti nad 1 kV (Um = 1,2 kV) do 36 kV (Um = 42 kV), preskušene na neizoliranih vodnikih - Dopolnilo A11

Compression and mechanical connectors for power cables - Part 1-3: Test methods and requirements for compression and mechanical connectors for power cables for rated voltages above 1 kV (Um = 1,2 kV) up to 36 kV (Um = 42 kV) tested on non-insulated conductors

Osnova: EN IEC 61238-1-3:2019/A11:2019

ICS: 29.120.20, 29.060.20

Dopolnilo A11:2019 je dodatek k standardu SIST EN IEC 61238-1-3:2019.

This part of EN 61238 applies to compression and mechanical connectors for power cables for rated voltages above 1 kV (Um = 1,2 kV) up to 36 kV (Um = 42 kV), for example buried cables or cables installed in buildings, having

a) conductors complying with EN 60228 having nominal cross-sectional areas between 2,5 mm2 and 1 200 mm2 for copper and between 16 mm2 and 1 200 mm2 for aluminium, excluding Milliken conductors;
b) a maximum continuous conductor temperature not exceeding 90 °C.

This document is not applicable to connectors for overhead line conductors nor to connectors with a sliding contact.

The object of this document is to define the type test methods and requirements which apply to compression and mechanical connectors for power cables with copper or aluminium conductors. The reference method is to perform the tests on unused conductors.

SIST/TC IEMO Električna oprema v medicinski praksi

SIST EN 60601-2-4:2011/A1:2019
2019-12 (po) (en) 16 str. (D)
Medicinska električna oprema - 2-4. del: Posebne zahteve za osnovno varnost in bistvene lastnosti srčnih defibrilatorjev - Dopolnilo A1 (IEC 60601-2-4:2010/A1:2018)
Medical electrical equipment - Part 2-4: Particular requirements for the basic safety and essential performance of cardiac defibrillators (IEC 60601-2-4:2010/A1:2018)
Osnova: EN 60601-2-4:2011/A1:2019
ICS: 11.040.10

Dopolnilo A1:2019 je dodatek k standardu SIST EN 60601-2-4:2011.
Ta mednarodni standard velja za OSNOVNO VARNOST in BISTVENE LASTNOSTI SRČNIH DEFIBLIRATORJEV, v nadaljevanju ME OPREME. Če bo točka ali podtočka izrecno namenjena samo uporabi za ME OPREMO ali samo za ME SISTEME, bosta naslov in vsebina te točke ali podtočke to tudi navedla. Sicer točka in podtočka veljata za ustrezno ME OPREMO in ME SISTEME. NEVARNOSTI, ki so del fiziološkega delovanja ME OPREME ali ME SISTEMOV v okviru uporabe tega standarda, niso zajete s posebnimi zahtevami tega standarda, razen v točkah 7.2.13 in 8.4.1 splošnega standarda. Ta določeni standard ne velja za vsajene defibrilatorje, DEFIBLIRATORJE z daljinskim upravljanjem, zunanje transkutane srčne spodbujevalnike ali ločene samostojne srčne monitorje (ki so standardizirani z IEC 60601-2-27). Srčni monitorji, ki uporabljajo ločene elektrode ECG za spremljanje, niso v okviru uporabe tega standarda, razen če se uporabljajo izključno za zaznavo prepoznave ritma AED ali zaznave utripa za sinhronizirano kardioverzijo. Tehnologija defibrilatorskih valovnih oblik se hitro razvija. Objavljene študije navajajo, da se učinkovitost valovnih oblik razlikuje. Izbira določene valovne oblike, vključno z obliko vala, dobavljeno energijo, učinkovitostjo in varnostjo, je bila izrecno izključena iz uporabe tega standarda. Vendar so bili zaradi kritične pomembnosti terapevtske valovne oblike utemeljitvi, ki obravnava razloge za valovno obliko in njeno izbiro, dodani komentarji.

SIST EN 60601-2-63:2015/A1:2019
2019-12 (po) (en) 8 str. (B)
Medicinska električna oprema - 2-63. del: Posebne zahteve za osnovno varnost in bistvene lastnosti za ekstraoralni zobni rentgen - Dopolnilo A1 (IEC 60601-2-63:2012/A1:2017)
Medical electrical equipment - Part 2-63: Particular requirements for the basic safety and essential performance of dental extra-oral X-ray equipment (IEC 60601-2-63:2012/A1:2017)
Osnova: EN 60601-2-63:2015/A1:2019
ICS: 13.280, 11.060.20, 11.040.50

Dopolnilo A1:2019 je dodatek k standardu SIST EN 60601-2-63:2015.
Ta mednarodni standard se uporablja za OSNOVNO VARNOST in BISTVENE LASTNOSTI EKSTRAORALNEGA ZOBNEGA RENTGENA, v nadaljevanju: ELEKTROMEDICINSKA OPREMA. Področje uporabe vključuje ELEKTROMEDICINSKE SISTEME, ki vključujejo tako ELEKTROMEDICINSKO OPREMO.
OPOMBA 1 Sem spada PANORAMSKA oprema, oprema za KEFALOMETRIJO in oprema za zobno volumetrično rekonstitucija (v nadaljevanju: DVR), kot je opredeljena v točki 201.3.203 spodaj.
OPOMBA 2 DVR vključuje zobni CBCT (računalniška tomografija s konusnim snopom), poznana tudi pod drugimi imeni v določenih delih sveta, npr. DVT (digitalna volumetrična tomografija); DVR vključuje tudi tomosintezo.
OPOMBA 3 Sem lahko spada slikanje drugih anatomskih delov (npr. roke), če je to potrebno za zobno zdravljenje.
OPOMBA 4 Sem lahko spadajo anatomski deli, ki so zanimivi za specialista ENT (uho, nos in grlo).
Področje uporabe tega standarda je omejeno na RENTGENSKO OPREMO, pri kateri:
• SESTAV RENTGENSKIH CEVI vsebuje VISOKONAPETOSTNI SESTAV TRANSFORMATORJEV in
• je geometrično razmerje med RENTGENSKIM VIROM, slikanim anatomskim delom
PACIENTA in RENTGENSKIM SLIKOVNIM SPREJEMNIKOM prednastavljeno v sami zasnovi in ga OPERATER ne more poljubno spremeniti med NAMERAVANO UPORABO.

OPOMBA 5 INTRAORALNI ZOBNI RENTGENI so izključeni s področja uporabe tega standarda.
OPOMBA 6 RAZDALJA MED GORIŠČEM IN SLIKOVNIM SPREJEMNIKOM ter GORIŠČEM in delom sta prednastavljeni v zasnovi EKSTRAORALNEGA ZOBNEGA RENTGENA.
OPOMBA 7 Za ZOBNI RENTGEN, ki ni v področju uporabe tega dokumenta zaradi zgornjih omejitev, se lahko s tem dokumentom uporabljajo ustrezne točke standarda IEC 60601-2-54. MEDICINSKA ELEKTRIČNA OPREMA in MEDICINSKI ELEKTRIČNI SISTEMI na področju uporabe standardov IEC 60601-2-44, IEC 60601-2-54, IEC 60601-2-45, IEC 60601-2-65 ali IEC 60601-2-43 so izključeni s področja uporabe tega standarda. Področje uporabe tega mednarodnega standarda izključuje tudi RADIOTERAPEVTSKE SIMULATORJE in opremo za denzitometrijo absorpcije kosti ali tkiva. Ta standard tudi ne vključuje MEDICINSKE ELEKTRIČNE OPREME, ki je namenjena ZOBNI RADIOSKOPIJI. Na določenem področju uporabe imajo točke tega standarda prednost in nadomeščajo tiste iz standarda IEC 60601-2-7, Medicinska električna oprema – Posebne zahteve za varnost visokonapetostnih generatorjev diagnostičnih rentgenskih generatorjev, in standarda IEC 60601-2-32, Medicinska električna oprema - Posebne zahteve za varnost opreme, ki je povezana z rentgensko opremo. Standarda IEC 60601-2-7 in IEC 60601-2-32 sta vključena ali v standard IEC 60601-1:2005 (3 različica) ali ta standard. Standarda IEC 60601-2-7 in IEC 60601-2-32 tako nista del sheme tretje različice standarda IEC 60601-1 za ZOBNI RENTGEN.
Vse zahteve glede integrirane SESTAVE RENTGENSKIH CEVI so opredeljene v okviru tega standarda. Standard IEC 60601-2-28 se tako ne uporablja za ELEKTROMEDICINSKO OPREMO, ki spada v področje uporabe tega mednarodnega standarda, razen SESTAVOV RENTGENSKIH CEVI, ki so zamenljive na kraju samem.
OPOMBA 9 Zahteve za ZOBNI RENTGEN, ki so bile vključene v prejšnje različice spremljevalnega standarda IEC 60601-1-3 ali standarda IEC 60601-2-28, so bile premaknjene v ta standard.
OPOMBA 10 SESTAVI RENTGENSKIH CEVI so RENTGENSKI SESTAVI MONOBLOKOV v okviru RENTGENA, ki spada v področje uporabe tega standarda.

SIST EN IEC 60601-2-49:2019 SIST EN 60601-2-49:2015
2019-12 (po) (en) 45 str. (I)
Medicinska električna oprema - 2-49. del: Posebne zahteve za osnovno varnost in bistvene lastnosti večfunkcijske opreme za nadzor pacientov (IEC 80601-2-49:2018)
Medical electrical equipment - Part 2-49: Particular requirements for the basic safety and essential performance of multifunction patient monitoring equipment (IEC 80601-2-49:2018)
Osnova: EN IEC 80601-2-49:2019
ICS: 11.040.55

this part of the 80601 applies to basic safety and essential performance requirements of multifunction patient monitors as defined in 201.3.201, hereafter referred to as me equipment or medical electrical systems. this particular standard applies to multifunction patient monitors intended for use in professional healthcare facilities as well as in the emergency medical service environment or the home healthcare environment. the scope of this document is restricted to me equipment or medical electrical systems intended for connection to a single patient that has two or more physiological monitoring units. note for purposes of this document, a pregnant mother and her fetus(es) are considered a single patient. this document does not specify requirements for individual physiological monitoring units such as ecg, invasive pressure and pulse oximetry. the particular standards related to these physiological monitoring units specify requirements from the perspective of stand-alone me equipment. this particular standard addresses the additional requirements related to multifunction patient monitors.multifunction patient monitors can be integrated into other me equipment or medical electrical systems. when this is the case, other relevant standards also apply. example 1 multifunction patient monitor incorporated into a critical care ventilator where iso 80601-2-12 also applies example 2 multifunction patient monitor incorporated into a homecare ventilator for dependent patient where iso 80601-2-72 also applies. example 3 multifunction patient monitor incorporated into anesthetic workstation where iso 80601-2-13 also applies. example 4 multifunction patient monitor incorporated into haemodialysis equipment, iec 60601-2-16 also applies. this document does not apply to implantable parts of multifunction patient monitors.

SIST EN IEC 60601-2-75:2019
2019-12 (po) (en) 32 str. (G)
Medicinska električna oprema - 2-75. del: Posebne zahteve za osnovno varnost in bistvene lastnosti za fotodinamično terapijo in fotodinamično diagnostično opremo (IEC 60601-2-75:2017)
Medical Electrical Equipment - Part 2-75: Particular requirements for the basic safety and essential performance of photodynamic therapy and photodynamic diagnosis equipment (IEC 60601-2-75:2017)
Osnova: EN IEC 60601-2-75:2019
ICS: 11.040.55

This part of IEC 60601 applies to the BASIC SAFETY and ESSENTIAL PERFORMANCE of PHOTODYNAMIC THERAPY AND PHOTODYNAMIC DIAGNOSIS EQUIPMENT. If a clause or subclause is specifically intended to be applicable to ME EQUIPMENT only, or to ME SYSTEMS only, the title and content of that clause or subclause will say so. If that is not the case, the clause or subclause applies both to ME EQUIPMENT and to ME SYSTEMS, as relevant. HAZARDS inherent in the intended physiological function of ME EQUIPMENT or ME SYSTEMS within the scope of this document are not covered by specific requirements in this document except in 7.2.13 and 8.4.1 of the general standard. NOTE See also 4.2 of the general standard.
This document applies to PHOTODYNAMIC THERAPY AND PHOTODYNAMIC DIAGNOSIS EQUIPMENT used for compensation or alleviation of disease, injury or disability. In the case of combined equipment (e.g. equipment additionally provided with a function or an APPLIED PART for the target area) such equipment shall also comply with any particular standard specifying safety requirements for the additional function. This particular standard does not apply to:
• light therapy equipment intended for use in photothermal ablation, coagulation, and hyperthermia;
• low-level laser therapy equipment not intended for use with a PHOTOSENSITIZER;
• illumination equipment intended for use in observation, monitoring, and diagnosis, not intended for use with a PHOTOSENSITIZER.

SIST EN IEC 80601-2-59:2019 SIST EN 80601-2-59:2010
2019-12 (po) (en) 44 str. (I)
Medicinska električna oprema - 2-59. del: Posebne zahteve za osnovno varnost in bistvene lastnosti presejalnih termografov za spremljanje človekove temperature pri mrzlici (IEC 80601-2-59:2017)
Medical electrical equipment - Part 2-59: Particular requirements for the basic safety and essential performance of screening thermographs for human febrile temperature screening (IEC 80601-2-59:2017)
Osnova: EN IEC 80601-2-59:2019
ICS: 11.040.55

This part of IEC 80601 applies to the BASIC SAFETY and ESSENTIAL PERFORMANCE of SCREENING THERMOGRAPHS intended to be used for the individual non-invasive febrile temperature screening of a human under controlled environmental conditions, hereafter referred to as ME EQUIPMENT. This document sets laboratory characterization test limits for the SCREENING THERMOGRAPH. NOTE 101 A SCREENING THERMOGRAPH is intended for screening of a human subject and detection of SKIN TEMPERATURE elevated above normal. An elevated SKIN TEMPERATURE needs to be followed up by a subsequent temperature measurement using a clinical thermometer (see ISO 80601-2-56 [30]). NOTE 102 The main part of such equipment is commonly referred to as an infrared camera. If a clause or subclause is specifically intended to be applicable to ME EQUIPMENT only, or to ME SYSTEMS only, the title and content of that clause or subclause will say so. If that is not the case, the clause or subclause applies both to ME EQUIPMENT and to ME SYSTEMS, as relevant.

SIST/TC IFEK Železne kovine

SIST EN 1753:2019 SIST EN 1753:1998
SIST EN 1753:1998/AC:2004
2019-12 (po) (en;fr;de) 31 str. (G)
Magnezij in magnezijeve zlitine - Ingoti in ulitki iz magnezijevih zlitin
Magnesium and magnesium alloys - Magnesium alloy ingots and castings
Osnova: EN 1753:2019
ICS: 77.150.20

This document defines the grades and the corresponding requirements for cast alloyed magnesium materials. This document specifies 2 groups of magnesium alloy grades by a classification based on the chemical composition. The first group deals with grades for magnesium alloy ingots. The second group deals with grades for magnesium alloy castings. This document also specifies mechanical properties measured on test pieces machined from cast samples. This document does not cover technical delivery conditions for magnesium alloy castings (see EN 1559-1 [7] and EN 1559-5 [8]).

SIST/TC IIZS Izolacijski materiali in sistemi

SIST EN IEC 60684-3-214:2019 SIST EN 60684-3-214:2014
2019-12 (po) (en) 16 str. (D)
Gibke izolacijske cevi - 3. del: Specifikacije za posamezne tipe cevi - 214. list: Toplotno skrčljive poliolefinske cevi, neognjevarne, debela in srednje debela stena (IEC 60684-3-214:2019)
Flexible insulating sleeving - Part 3: Specifications for individual types of sleeving - Sheet 214: Heat-shrinkable, polyolefin sleeving, not flame retarded, thick and medium wall (IEC 60684-3-214:2019)
Osnova: EN IEC 60684-3-214:2019
ICS: 29.035.20

This document gives the requirements for two types of heat-shrinkable, polyolefin sleeving, not flame retarded, thick and medium wall with a nominal shrink ratio of 3:1. This sleeving has been found suitable for use at temperatures of up to 100 °C. • Type A: Medium wall - internal diameter up to 200 mm typically. • Type B: Thick wall - internal diameter up to 200 mm typically. These sleevings are normally supplied in colour black. Since these types of sleeving cover a significantly large range of sizes and wall thicknesses, Annex A (Tables A.1 and A.2) of this document provides a guide to the range of sizes available. The actual size will be agreed between the user and supplier. Materials which conform to this specification meet established levels of performance. However, the selection of a material by a user for a specific application will be based on the actual requirements necessary for adequate performance in that application and not based on this specification alone.

SIST EN IEC 60684-3-216:2019 SIST EN 60684-3-216:2006
SIST EN 60684-3-216:2006/A2:2014
2019-12 (po) (en) 19 str. (E)
Gibke izolacijske cevi - 3. del: Specifikacije za posamezne tipe cevi - 216. list: Toplotno skrčljive, ognjevarne cevi z majhno požarno nevarnostjo (IEC 60684-3-216:2019)
Flexible insulating sleeving - Part 3: Specifications for individual types of sleeving - Sheet 216: Heat-shrinkable, flame- retarded, limited-fire-hazard sleeving (IEC 60684-3-216:2019)
Osnova: EN IEC 60684-3-216:2019
ICS: 29.035.20

This document gives the requirements for four types of heat-shrinkable, flameretarded, limited-fire-hazard sleeving with a thermal endurance rating of 105 °C as shown below. Class A: thin wall shrink ratio 2:1 internal diameter up to 102,0 mm Class B: medium wall shrink ratio 2:1 internal diameter up to 60,0 mm Class C: thick wall shrink ratio 2:1 internal diameter up to 51,0 mm Class D: medium wall shrink ratio 3:1 internal diameter up to 40,0 mm These sleevings are normally supplied in the following colours:

black, red, green, blue, white, yellow and green/yellow. Sizes or colours other than those listed in this document are available as custom items. These items are considered to comply with this document if they comply with the property requirements listed in Tables 5, 6, 7 and 8, excluding dimensions and mass. Materials which conform to this specification meet established levels of performance. However, the selection of a material by a user for a specific application will be based on the actual requirements necessary for adequate performance in that application and not based on this specification alone.

SIST EN IEC 60684-3-247:2019 SIST EN 60684-3-247:2011
SIST EN 60684-3-247:2011/A1:2017

2019-12 (po) (en) 17 str. (E)

Gibke izolacijske cevi - 3. del: Specifikacije za posamezne tipe cevi - 247. list: Toplotno skrčljive poliolefinske cevi z dvojno steno, neognjevarne, debelostenske in srednje debele stene (IEC 60684-3-247:2019)

Flexible insulating sleeving - Part 3: Specifications for individual types of sleeving - Sheet 247: Heat-shrinkable, polyolefin sleeving, dual wall, not flame retarded, thick and medium wall (IEC 60684-3-247:2019)

Osnova: EN IEC 60684-3-247:2019
ICS: 29.035.20

This document gives the requirements for two types of heat-shrinkable, polyolefin sleeving, dual wall, not flame retarded with a nominal shrink ratio of 3:1. This sleeving has been found suitable for use at temperatures of up to 100 °C. • Type A: Medium wall, internal diameter up to 200,0 mm typically. • Type B: Thick wall, internal diameter up to 200,0 mm typically. These sleevings are normally supplied in colour black. Since these types of sleving cover a significantly large range of sizes and wall thicknesses, Annex A (Tables A.1 and A.2) provides a guide to the range of sizes available. The actual size will be agreed between the user and supplier. Materials which conform to this specification meet established levels of performance. However, the selection of a material by a user for a specific application will be based on the actual requirements necessary for adequate performance in that application and not based on this specification alone.

SIST EN IEC 60684-3-280:2019 SIST EN 60684-3-280:2010
SIST EN 60684-3-280:2010/A1:2014

2019-12 (po) (en) 15 str. (D)

Gibke izolacijske cevi - 3. del: Specifikacije za posamezne tipe cevi - 280. list: Toplotno skrčljive poliolefinske cevi za zaščito pred poškodbami (IEC 60684-3-280:2019)

Flexible insulating sleeving - Part 3: Specifications for individual types of sleeving - Sheet 280: Heat-shrinkable, polyolefin sleeving, anti-tracking (IEC 60684-3-280:2019)

Osnova: EN IEC 60684-3-280:2019
ICS: 29.035.20

This document gives the requirements for heat-shrinkable, polyolefin sleeving, antitracking with a nominal shrink ratio of 3:1. This sleeving has been found suitable for use at temperatures up to 100 °C. Typically: medium wall, internal diameter up to 110 mm. This sleeving is normally supplied in the colours red or brown. Since these types of sleeving cover a significantly large range of sizes and wall thicknesses, Annex A (Table A.1) provides guidance on the range of sizes available. The actual size will be agreed between the user and the supplier. Materials which conform to this specification meet established levels of performance. However, the selection of a material by a user for a specific application will be based on the actual requirements necessary for adequate performance in that application and not based on this specification alone. This sleeving is designed to be used in medium voltage cable accessories and as such electrical performance willbe proven as part of the assembly. Examples of this are described in HD 629.1 and IEC 60502 (all parts).

SIST EN IEC 60684-3-283:2019 SIST EN 60684-3-283:2011
SIST EN 60684-3-283:2011/A1:2014

2019-12 (po) (en) 16 str. (D)

Gibke izolacijske cevi - 3. del: Specifikacije za posamezne tipe cevi - 283. list: Toplotno skrčljive poliolefinske cevi za izolacijo zbiralk (IEC 60684-3-283:2019)

Flexible insulating sleeving - Part 3: Specifications for individual types of sleeving - Sheet 283: Heat-shrinkable, polyolefin sleeving for bus-bar insulation (IEC 60684-3-283:2019)

Osnova: EN IEC 60684-3-283:2019
ICS: 29.035.20

This document gives the requirements for two types of heat-shrinkable, polyolefin sleeving for bus-bar insulation, with a nominal shrink ratio of 2,5:1. This sleeving has been found suitable up to temperatures of 100 °C. • Type A: Medium wall - internal diameter up to 170,0 mm typically • Type B: Thick wall - internal diameter up to 165,0 mm typically These sleevings are normally supplied in colour, red or brown. Since these types of sleeving cover a significantly large range of sizes and wall thicknesses, Annex A (Tables A.1 and A.2) provides guidance to the range of sizes available.

SIST/TC IMIN Merilni instrumenti

SIST EN 17277:2019

2019-12 (po) (en;fr;de) 19 str. (E)

Hidrometrija - Merilne zahteve in razvrstitev instrumentov za merjenje moči padavin

Hydrometry - Measurement requirements and classification of rainfall intensity measuring instruments

Osnova: EN 17277:2019
ICS: 07.060

This standard considers liquid precipitation and defines a classification for catching-type RI measurement instruments based on their laboratory performance. Standardised calibration tests are described for the assessment of the accuracy of these raingauges both in the laboratory and in the field. The classification does not relate to the physical principle used for the measurement nor does it refer to the technical characteristics of the instrument assembly. The classification is solely based on the accuracy of the raingauge rainfall intensity calibration.

SIST EN ISO 20456:2019 SIST EN 29104:2001
SIST EN ISO 6817:1997

2019-12 (po) (en;fr;de) 38 str. (H)

Merjenje pretoka fluida v zaprtih vodih - Navodilo za uporabo elektromagnetnih pretočnih meril za prevodne tekočine (ISO 20456:2017)

Measurement of fluid flow in closed conduits - Guidance for the use of electromagnetic flowmeters for conductive liquids (ISO 20456:2017)

Osnova: EN ISO 20456:2019
ICS: 17.120.10

ISO 20456:2017 applies to industrial electromagnetic flowmeters used for the measurement of flowrate of a conductive liquid in a closed conduit running full. It covers flowmeter types utilizing both alternating current (AC) and pulsed direct current (DC) circuits to drive the field coils and meters running from a mains power supply and those operating from batteries or other sources of power. ISO 20456:2017 is not applicable to insertion-type flowmeters or electromagnetic flowmeters designed to work in open channels or pipes running partially full, nor does it apply to the measurement of magnetically permeable slurries or liquid metal applications. ISO 20456:2017 does not specify safety requirements in relation to hazardous environmental usage of the flowmeter.

SIST EN ISO 5167-6:2019
2019-12 (po) (en;fr;de) 21 str. (F)
Merjenje pretoka fluida na osnovi tlačne razlike, povzročene z napravo, vstavljeno v polno zapolnjen vod s krožnim prerezom - 6. del: Merilniki klinov (ISO 5167-6:2019)
Measurement of fluid flow by means of pressure differential devices inserted in circular cross-section conduits running full - Part 6: Wedge meters (ISO 5167-6:2019)
Osnova: EN ISO 5167-6:2019
ICS: 17.120.10

This standard specifies the geometry and method of use (installation and operating conditions) of wedge meters when they are inserted in a conduit running full to determine the flow rate of the fluid flowing in the conduit. This document gives requirements for calibration which, if applied, are for use over the calibrated Reynolds number range. Clause 7 could also be useful guidance for calibration of meters of similar design but which fall outside the scope of this document. It 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 wedge meters in which the flow remains subsonic throughout the measuring section and where the fluid can be considered as single-phase. Uncalibrated wedge meters can only be used within specified limits of pipe size, roughness, beta (or wedge ratio) and Reynolds number. It is not applicable to the measurement of pulsating flow. It does not cover the use of uncalibrated wedge meters in pipes whose internal diameter is less than 50 mm or more than 600 mm, or where the pipe Reynolds numbers are below 1 × 104.

SIST/TC INEK Neželezne kovine

SIST EN 12449:2016+A1:2019 SIST EN 12449:2016
2019-12 (po) (en;fr;de) 49 str. (I)
Baker in bakrove zlitine - Nevarjene cevi z okroglim prerezom za splošno uporabo
Copper and copper alloys - Seamless, round tubes for general purposes
Osnova: EN 12449:2016+A1:2019
ICS: 77.150.30, 23.040.15

This European Standard specifies the composition, property requirements and tolerances on dimensions and form for seamless round drawn copper and copper alloy tubes for general purposes supplied in the size range from 3 mm up to and including 450 mm outside diameter and from 0,3 mm up to and including 20 mm wall thickness.
The sampling procedures and the methods of test for verification of conformity to the requirements of this European Standard are also specified.
NOTE Tubes having an outside diameter less than 80 mm and/or a wall thickness greater than 2 mm in certain alloys are most frequently used for free machining purposes which are specified in EN 12168.

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

SIST-TP CEN/TR 17426:2019
2019-12 (po) (en;fr;de) 27 str. (G)
Sanitarne naprave - Sistemi za odvajanje odpadne vode iz sanitarnih naprav
Sanitary appliances - Drainage systems for the application of sanitary appliances
Osnova: CEN/TR 17426:2019
ICS: 91.140.70, 91.140.80

This document describes the installation rules that must be followed to ensure proper functioning of the drainage system depending on the specified performance of the sanitary appliances.
These performance characteristics of sanitary appliances (defined in the harmonized standards EN 997, EN 13407, EN 14688, EN 14528 and EN 14527) are explained and brought into line with the application

rules of standard series EN 12056.
According to Regulation (EU) 305/2011, legally binding information on building requirements must be provided by the National Product Information Point. Therefore, additional national requirements are mentioned informatively where information is available.

SIST/TC IPKZ Protikorozijska zaščita kovin

SIST EN ISO 21968:2019 SIST EN ISO 21968:2005
2019-12 (po) (en) 46 str. (I)
Nemagnetne kovinske prevleke na kovinskih in nekovinskih osnovnih materialih - Merjenje debeline nanosa prevleke - Metoda vrtinčnih tokov (ISO 21968:2019)
Non-magnetic metallic coatings on metallic and non-metallic basis materials - Measurement of coating thickness - Phase-sensitive eddy-current method (ISO 21968:2019)
Osnova: EN ISO 21968:2019
ICS: 25.220.40

This document specifies a method for using phase-sensitive eddy-current instruments for non-destructive measurements of the thickness of non-magnetic metallic coatings on metallic and non-metallic basis materials such as: a) zinc, cadmium, copper, tin or chromium on steel; b) copper or silver on composite materials. The phase-sensitive method can be applied without thickness errors to smaller surface areas and to stronger surface curvatures than the amplitude-sensitive eddy-current method specified in ISO 2360, and is less affected by the magnetic properties of the basis material. However, the phase-sensitive method is more affected by the electrical properties of the coating materials. In this document, the term “coating” is used for materials such as, for example, paints and varnishes, electroplated coatings, enamel coatings, plastic coatings, claddings and powder coatings. This method is particularly applicable to measurements of the thickness of metallic coatings. These coatings can be non-magnetic metallic coatings on non-conductive, conductive or magnetic base materials, but also magnetic coatings on non-conductive or conductive base materials. The measurement of metallic coatings on metallic basis material works only when the product of conductivity and permeability (s, ě) of one of the materials is at least a factor of two times the product of conductivity and permeability for the other material. Non-ferromagnetic materials have a relative permeability of one.

SIST EN ISO 28721-1:2019 SIST EN ISO 28721-1:2011
2019-12 (po) (en) 25 str. (F)
Steklasti in keramični emajli - Emajlirane naprave za procesno opremo - 1. del: Zahteve za kakovost naprav, sestavnih delov, aparatov in pribora (ISO 28721-1:2019)
Vitreous and porcelain enamels - Glass-lined apparatus for process plants - Part 1: Quality requirements for apparatus, components, appliances and accessories (ISO 28721-1:2019)
Osnova: EN ISO 28721-1:2019
ICS: 25.220.50

This document specifies the quality requirements for apparatus, components, appliances and accessories of glass-lined steel (including semi-crystallized enamel coatings) and glass-lined steel castings used for process plants. It specifies the quality requirements and the tests to be carried out by the manufacturer as well as the actions to be taken to repair defects. It is also applicable to glass-lined pumps, pump components and fittings. It does not apply to glass-lined flanged steel pipes or glass-lined flanged steel fittings. The test methods specified cover checking the enamel, the dimensional accuracy and the performance of apparatus and components. This document is applicable to new apparatus and components as well as used items that have been re-enamelled. It does not contain requirements regarding the chemical or physical properties of vitreous and porcelain enamels.

SIST EN ISO 28763:2019 SIST EN ISO 28763:2012
2019-12 (po) (en) 15 str. (D)
Steklasti in porcelanski emajli - Regenerativne, emajlirane in pakirane plošče za toplotne izmenjevalnike »zrak-plin« in »plin-plin« - Specifikacije (ISO 28763:2019)
Vitreous and porcelain enamels - Regenerative, enamelled and packed panels for air-gas and gas-gas heat exchangers - Specifications (ISO 28763:2019)
Osnova: EN ISO 28763:2019
ICS: 25.220.50

This document specifies the minimum requirements and the functional characteristics of enamel coatings applied by any process, such as wet dipping, wet flow-coating, wet spraying, wet electrostatic spraying, wet electrodeposition or dry-powder electrostatic spraying, to profiled steel heat exchanger panels in regenerative heat exchangers, before and after packing in baskets. For very severe service conditions, or to obtain extended operational life, more stringent limits can be agreed between customer and supplier.

SIST/TC IPMA Polimerni materiali in izdelki

SIST EN 14257:2019 SIST EN 14257:2006
2019-12 (po) (en;fr;de) 6 str. (B)
Lepila - Lepila za les - Ugotavljanje natezne trdnosti spojev s preklopom pri povišani temperaturi (WATT '91)
Adhesives - Wood adhesives - Determination of tensile strength of lap joints at elevated temperature (WATT '91)
Osnova: EN 14257:2019
ICS: 83.180

This document specifies a method for testing the strength of wood adhesives at 80 °C.
NOTE The procedure described is based on a test developed in Germany known originally as the WATT '91 test. It uses the test piece described in EN 205.

SIST EN ISO 20337:2019
2019-12 (po) (en;fr;de) 20 str. (E)
Z vlakni ojačeni kompozitni polimerni materiali - Metoda strižnega preskusa z uporabo strižnega okvira za ugotavljanje odziva na ravninsko strižno/natezno obremenitev in strižnega modula (ISO 20337:2018)
Fibre-reinforced plastic composites - Shear test method using a shear frame for the determination of the in-plane shear stress/shear strain response and shear modulus (ISO 20337:2018)
Osnova: EN ISO 20337:2019
ICS: 83.120

This document specifies a method using a shear test apparatus for measuring the in-plane shear stress/shear strain response, shear modulus and shear strength of continuous-fibre-reinforced plastic composite materials with fibre orientations of 0° and 0°/90°.
This method is applicable to thermoset and thermoplastic matrix laminates made from unidirectional layers/non-woven fabrics and/or fabrics including unidirectional fabrics, with the fibres oriented at 0° and 0°/90° to the specimen axis, where the lay-up is symmetrical and balanced about the specimen mid-plane. The method is suitable for determining shear properties in both the linear and nonlinear load-deformation range even at shear strains greater than 5 %. Short and long fibre-reinforced plastic composites can also be tested using this document.

SIST EN ISO 527-1:2019 SIST EN ISO 527-1:2012
2019-12 (po) (en;fr;de) 34 str. (H)
Polimerni materiali - Ugotavljanje nateznih lastnosti - 1. del: Splošna načela (ISO 527-1:2019)
Plastics - Determination of tensile properties - Part 1: General principles (ISO 527-1:2019)
Osnova: EN ISO 527-1:2019
ICS: 83.080.01

This document specifies the general principles for determining the tensile properties of plastics and plastic composites under defined conditions. Several different types of test specimen are defined to suit different types of material which are detailed in subsequent parts of ISO 527. The methods are used to investigate the tensile behaviour of the test specimens and for determining the tensile strength, tensile modulus and other aspects of the tensile stress/strain relationship under the conditions defined. The methods are selectively suitable for use with the following materials: - rigid and semi-rigid moulding, extrusion and cast thermoplastic materials, including filled and reinforced compounds in addition to unfilled types; rigid and semi-rigid thermoplastics sheets and films; - rigid and semi-rigid thermosetting moulding materials, including filled and reinforced compounds; rigid and semi-rigid thermosetting sheets, including laminates; - fibre-reinforced thermosets and thermoplastic composites incorporating unidirectional or non-unidirectional reinforcements, such as mat, woven fabrics, woven rovings, chopped strands, combination and hybrid reinforcement, rovings and milled fibres; sheet made from pre-impregnated materials (prepregs); - thermotropic liquid crystal polymers. The methods are not normally suitable for use with rigid cellular materials, for which ISO 1926 is used, or for sandwich structures containing cellular materials.

SIST/TC ISEL Strojni elementi

SIST EN ISO 13385-1:2019 SIST EN ISO 13385-1:2011
2019-12 (po) (en;fr;de) 22 str. (F)
Specifikacija geometrijskih veličin izdelka (GPS) - Oprema za merjenje dimenzij - 1. del: Konstrukcija in meroslovne karakteristike kljunastih meril (ISO 13385-1:2019)
Geometrical product specifications (GPS) - Dimensional measuring equipment - Part 1: Design and metrological characteristics of callipers (ISO 13385-1:2019)
Osnova: EN ISO 13385-1:2019
ICS: 17.040.40, 17.040.30

This document provides the most important design and metrological characteristics of callipers - with analogue indication: vernier scale or circular scale (dial), and - with digital indication: digital display.

SIST EN ISO 3269:2019 SIST EN ISO 3269:2002
2019-12 (po) (en;fr;de) 18 str. (E)
Vezni elementi - Prevzemna kontrola (ISO 3269:2019)
Fasteners - Acceptance inspection (ISO 3269:2019)
Osnova: EN ISO 3269:2019
ICS: 21.060.01

This document specifies an inspection procedure to be used by the purchaser where no prior agreement exists. It also specifies a reference acceptance procedure for acceptance or rejection of an inspection lot, when no agreement can be reached between the purchaser and the supplier, or where conformance to specification is disputed. It applies to inspection lots of bolts, screws, studs, nuts, pins, washers, rivets and other related fasteners. This document applies to fasteners not intended for high volume machine assembly, special-purpose applications or specially engineered applications requiring more advanced in-process control and lot traceability. For in-process control or final inspection by the manufacture and sorting, see ISO 16426.

SIST/TC ITC Informacijska tehnologija

SIST-TS CEN ISO/TS 19468:2019
2019-12 (po) (en;fr;de) 131 str. (O)
Inteligentni transportni sistemi - Podatkovni vmesnik med prometnimi informacijskimi centri in kontrolnimi sistemi - Specifikacija modela za neodvisne platforme za protokole izmenjave podatkov za prometne informacijske in kontrolne sisteme (ISO/TS 19468:2019)
Intelligent transport systems - Data interfaces between centres for transport information and control systems - Platform independent model specifications for data exchange protocols for transport information and control systems (ISO/TS 19468:2019)
Osnova: CEN ISO/TS 19468:2019
ICS: 35.240.60, 03.220.20

The scope of this Technical specification is to specify and define component facets supporting the exchange and shared use of data and information in the field of traffic and travel. The component facets include the framework and context for exchanges, the data content, structure and relationships necessary and the communications specification, in such a way they are independent from any defined technical platform. This Technical Specification establishes specifications for data exchange between any two instances of the following actors:
- Traffic Information Centres (TIC),
- Traffic Control Centres/Traffic Management Centres (TCC/TMC),
- Service Providers (SP),
not limited to others actors like e.g. car park operators...
Use of this Technical Specification may be applicable for use by other actors.
This Technical Specification includes the following types of information:
- The use cases and associated requirements and features relative to different exchange situations,
- The different functional exchange profiles,
- The abstract elements for protocols,
- The data model for exchange (informational structures, relationships, roles, attributes and associated data types required).

SIST-TS CEN ISO/TS 21177:2019
2019-12 (po) (en;fr;de) 97 str. (M)
Inteligentni transportni sistemi - Storitve varovanja postaj ITS za varno vzpostavitev sej in preverjanje pristnosti med zaupanja vrednimi napravami (ISO/TS 21177:2019)
Intelligent transport systems - ITS station security services for secure session establishment and authentication between trusted devices (ISO/TS 21177:2019)
Osnova: CEN ISO/TS 21177:2019
ICS: 35.240.60, 35.030, 03.220.01

This document contains specifications for a set of ITS station security services required to ensure the authenticity of the source and integrity of information exchanged between trusted entities: - devices operated as bounded secured managed entities, i.e. "ITS Station Communication Units" (ITS-SCU) and "ITS station units" (ITS-SU) specified in ISO 21217, and - between ITS-SUs (composed of one or several ITS-SCUs) and external trusted entities such as sensor and control networks. These services include authentication and secure session establishment which are required to exchange information in a trusted and secure manner. These services are essential for many ITS applications and services including time-critical safety applications, automated driving, remote management of ITS stations (ISO 24102-2[5]), and roadside/infrastructure related services.

SIST-TS CEN/TS 16794-1:2019 SIST-TS CEN/TS 16794-1:2017
2019-12 (po) (en;fr;de) 38 str. (H)
Javni prevoz - Komunikacija med brezkontaktnimi čitalniki/terminali in prevoznimi mediji - 1. del: Zahteve za izvajanje ISO/IEC 14443
Public transport - Communication between contactless readers and fare media - Part 1: Implementation requirements for ISO/IEC 14443
Osnova: CEN/TS 16794-1:2019
ICS: 35.240.60, 35.240.15

This document constitutes the 3rd edition of CEN/TS 16794 1. It sets out the technical requirements to be met by contactless Public Transport (PT) devices in order to be able to interface together using the ISO/IEC 14443 series contactless communications protocol.
This document applies to PT devices:
- PT readers which are contactless fare management system terminals acting as a PCD contactless reader based on the ISO/IEC 14443 series;
- PT objects which are contactless fare media acting as a PICC contactless object based on the ISO/IEC 14443 series.
This edition addresses interoperability of consumer-market NFC mobile devices, compliant to NFC Forum specifications, with above mentioned PT devices, aligns with the 4th edition of the ISO/IEC 14443 series and maintains the possibility for PT readers to comply with the requirements from EMV Contactless Interface Specification [1] and the present document.
An interface–oriented test approach is used to evaluate the conformity of PT devices and is defined in CEN/TS 16794 2.
Application-to-application exchanges executed once contactless communication has been established at RF level fall outside the scope of this document. In line with the rules on independence between OSI protocol layers, this document works on the assumption that application-to-application exchanges are not contingent on the type of contactless communication established or the parameters used for the low-level protocol layers that serve as the platform for these application-to-application exchanges.

SIST-TS CEN/TS 16794-2:2019 SIST-TS CEN/TS 16794-2:2017
2019-12 (po) (en;fr;de) 32 str. (G)
Javni prevoz - Komunikacija med brezkontaktnimi čitalniki/terminali in prevoznimi mediji - 2. del: Načrt za preskus po ISO/IEC 14443
Public transport - Communication between contactless readers and fare media - Part 2: Test plan for ISO/IEC 14443
Osnova: CEN/TS 16794-2:2019
ICS: 35.240.60, 35.240.15

This document comes as a complement to the technical requirements expressed in CEN/TS 16794-1, for ensuring contactless communication interoperability between Public Transport (PT) devices or between PT devices compliant to CEN/TS 16794-1 and NFC mobiles devices compliant to NFC Forum specifications.
This document lists all the test conditions to be performed on a PT reader or a PT object in order to ensure that all the requirements specified in CEN/TS 16794-1 are met for the PT device under test.
This document applies to PT devices only:
- PT readers which are contactless fare management system terminals acting as a PCD contactless reader based on the ISO/IEC 14443 series;
- PT objects which are contactless fare media acting as a PICC contactless object based on the ISO/IEC 14443 series.
This document applies solely to the contactless communication layers described in Parts 1 to 4 of the ISO/IEC 14443 series. Application-to-application exchanges executed once contactless communication has been established at RF level fall outside the scope of this document. However, a test application will be used so as to make end-to-end transactions during tests on the RF communication layer.
This document does not duplicate the contents of the ISO/IEC 14443 series or ISO/IEC DIS 10373-6 standard. It makes reference to the ISO/IEC DIS 10373-6 applicable test methods, specifies the test

conditions to be used and describes the additional specific test conditions that may be run.
The list of test conditions applicable to the PT device under test will be conditioned by the Information Conformance Statement (ICS) declaration made by the device manufacturer. For each test case, the test conditions are clearly specified in order to determine the pertinence to run or not the test case in accordance with the device capabilities or in accordance with the device manufacturer's choice.
In order to facilitate the test report issuance, a test report template is included in Annex A of this document.
Although this document aims at becoming the primary basis for certification of contactless communication protocol applicable to PT readers and PT objects, it does not describe any certification or qualification processes as such processes should be defined between local or global transit industry stakeholders.

SIST-TS CEN/TS 17378:2019
2019-12 (po) (en;fr;de) 57 str. (J)
Inteligentni transportni sistemi - Mestni ITS - Upravljanje kakovosti zraka v mestnih območjih
Intelligent transport systems - Urban ITS - Air quality management in urban areas
Osnova: CEN/TS 17378:2019
ICS: 35.240.60, 13.040.50

This document provides
• information, guidance and specifications on how
o to set up an air quality and emissions management policy;
o to deploy reliable and scalable technologies to monitor air quality on a continuous or regular basis;
o to react with adequate measures;
o to specify air quality levels for triggering a scenario;
• a toolkit of parameters and data definitions that a regulator can use;
• means to measure the air quality required by relevant EU directives
• to specify use of TS Intelligent transport systems - Urban-ITS - 'Controlled Zone' management using C-ITS, for the purposes of geofenced controlled zones for emissions management
NOTE: In order to maximise European harmonisation, it is recommended that this specification is used in combination with a module of standardised data concepts, however, this version of this document, which is focussed on policies and procedures, does not provide these data concept specifications.

SIST-TS CEN/TS 17380:2019
2019-12 (po) (en;fr;de) 26 str. (F)
Inteligentni transportni sistemi - Mestni ITS - Upravljanje „nadzorovane cone“ za UVAR z uporabo C-ITS
Intelligent transport systems - Urban-ITS - 'Controlled Zone' management for UVARs using C-ITS
Osnova: CEN/TS 17380:2019
ICS: 03.220.20, 35.240.60

This document will provide information and specifications enabling management of road traffic in controlled zones applying geofencing. Specifically, this document provides
— a "Controlled Zone Road Traffic Management Data Dictionary" (CZRTMDD) for management of controlled zones providing a toolkit that regulators can use e.g. to
— inform a CZ user, e.g. a vehicle, in advance of entry to a controlled zone about
  — access conditions, e.g. vehicle categories, power trains, etc., and
  — the time windows indicating when these access conditions are applicable.
— inform a vehicle at the point of entry to a controlled zone about currently applicable access conditions;
— and illustrations and guidelines on how to use this toolkit.
The toolkit is designed in compliance with the general ITS station and communications architecture specified in ISO 21217], and optionally applicable C-ITS protocols and procedures, e.g. ISO 22418:2018, CEN/EN 18750:2018, and EN 17419.

SIST/TC ITEK Tekstil in tekstilni izdelki

SIST EN ISO 105-A03:2019 SIST EN 20105-A03:1996
2019-12 (po) (en;fr;de) 10 str. (C)
Tekstilije - Preskušanje barvne obstojnosti - Del A03: Siva skala za ocenjevanje prehoda obarvanja spremljajočih tkanin (ISO 105-A03:2019)
Textiles - Tests for colour fastness - Part A03: Grey scale for assessing staining (ISO 105-A03:2019)
Osnova: EN ISO 105-A03:2019
ICS: 59.080.01

ISO 105-A03 describes the grey scale for determining staining of adjacent fabrics in colour fastness tests, and its use. A precise colorimetric specification of the scale is given as a permanent record against which newly prepared working standards and standards that may have changed can be compared.

SIST EN ISO 1833-13:2019 SIST EN ISO 1833-13:2013
2019-12 (po) (en;fr;de) 11 str. (C)
Tekstilije - Kvantitativna kemična analiza - 13. del: Mešanica nekaterih klorovlaken in nekaterih drugih vlaken (metoda z uporabo ogljikovega disulfida/acetona) (ISO 1833-13:2019)
Textiles - Quantitative chemical analysis - Part 13: Mixtures of certain chlorofibres with certain other fibres (method using carbon disulfide/acetone) (ISO 1833-13:2019)
Osnova: EN ISO 1833-13:2019
ICS: 71.040.40, 59.060.20

This document specifies a method, using carbon disulfide/acetone, to determine the mass percentage of chlorofibre, after removal of non-fibrous matter, in textiles made of mixtures of - certain chlorofibres, with - wool, animal hair, silk, cotton, viscose, cupro, modal, lyocell, polyamide, polyester, elastomultiester, acrylic, melamine, polypropylene, polypropylene/polyamide bicomponent, polyacrylate and glass fibres. It is also possible to analyse mixtures containing chlorofibres by using the test methods described in ISO 1833-17 or ISO 1833-21.

SIST EN ISO 1833-14:2019 SIST EN ISO 1833-14:2013
2019-12 (po) (en;fr;de) 10 str. (C)
Tekstilije - Kvantitativna kemična analiza - 14. del: Mešanica acetatnih in nekaterih drugih vlaken (metoda z uporabo ocetne kisline) (ISO 1833-14:2019)
Textiles - Quantitative chemical analysis - Part 14: Mixtures of acetate with certain other fibres (method using glacial acetic acid) (ISO 1833-14:2019)
Osnova: EN ISO 1833-14:2019
ICS: 71.040.40, 59.060.20

This document specifies a method, using glacial acetic acid, to determine the mass percentage of acetate, after removal of non-fibrous matter, in textiles made of mixtures of - acetate with - certain chlorofibres or after-chlorinated chlorofibres. It is also possible to analyse mixtures containing acetate by using the test methods described in ISO 1833-3 or ISO 1833-9.

SIST EN ISO 1833-9:2019 SIST EN ISO 1833-9:2013
2019-12 (po) (en;fr;de) 9 str. (C)
Tekstilije - Kvantitativna kemična analiza - 9. del: Mešanica acetatnih in nekaterih drugih vlaken (metoda z uporabo benzilnega alkohola) (ISO 1833-9:2019)
Textiles - Quantitative chemical analysis - Part 9: Mixtures of acetate with certain other fibres (method using benzyl alcohol) (ISO 1833-9:2019)
Osnova: EN ISO 1833-9:2019
ICS: 71.040.40, 59.060.20

This document specifies a method, using benzyl alcohol, to determine the mass percentage of acetate, after removal of non-fibrous matter, in textiles made of mixtures of - acetate with - triacetate, polypropylene, elastolefin, melamine, polypropylene/polyamide bicomponent and polyacrylate fibres.

SIST EN ISO 3175-5:2019
2019-12 (po) (en;fr;de) 15 str. (D)
Tekstilije - Kemično čiščenje, suho in mokro čiščenje izdelkov in oblačil - 5. del: Postopek preskušanja učinkovitosti pri čiščenju in plemenitenju z dibutoksimetanom (ISO 3175-5:2019)
Textiles - Professional care, drycleaning and wetcleaning of fabrics and garments - Part 5: Procedure for testing performance when cleaning and finishing using dibutoxymethane (ISO 3175-5:2019)
Osnova: EN ISO 3175-5:2019
ICS: 59.080.01

This document specifies drycleaning procedures for dibutoxymethane [1-(butoxymethoxy) butane], using commercial drycleaning machines, for fabrics and garments. It comprises procedures for normal and sensitive materials.

SIST EN ISO 3175-6:2019
2019-12 (po) (en;fr;de) 15 str. (D)
Tekstilije - Kemično čiščenje, suho in mokro čiščenje izdelkov in oblačil - 6. del: Postopek preskušanja učinkovitosti pri čiščenju in plemenitenju z dekametilpentaciklosiloksanom (ISO 3175-6:2019)
Textiles - Professional care, drycleaning and wetcleaning of fabrics and garments - Part 6: Procedure for testing performance when cleaning and finishing using decamethylpentacyclosiloxane (ISO 3175-6:2019)
Osnova: EN ISO 3175-6:2019
ICS: 59.080.01

This document specifies drycleaning procedures for decamethylpentacyclosiloxane (D5), using commercial drycleaning machines, for fabrics and garments. It comprises procedures for normal and sensitive materials.

SIST/TC IZL Izolatorji

SIST EN IEC 61952-1:2019
2019-12 (po) (en;fr;de) 35 str. (H)
Izolatorji za nadzemne vode - Kompozitni linijski podporni izolatorji za izmenične sisteme z nazivno napetostjo nad 1000 V - 1. del: Definicije, končni priključki in označevanje (IEC 61952-1:2019)
Insulators for overhead lines - Composite line post insulators for AC systems with a nominal voltage greater than 1 000 V - Part 1: definitions, end fittings and designations (IEC 61952-1:2019)
Osnova: EN IEC 61952-1:2019
ICS: 29.240.20, 29.080.10

This document is applicable to composite line post insulators for AC overhead lines with a nominal voltage greater than 1 000 V and a frequency not greater than 100 Hz. It also applies to line post insulators of similar design used in substations or on electric traction lines. This document applies to line post insulators of composite type, generally with metallic couplings, with and without a base plate. It also applies to such insulators when used in complex structures. It does not apply to hollow insulators adapted for use as line post insulators. The object of this document is to specify the main dimensions of the couplings to be used on the composite line post insulators in order to permit the assembly of insulators or fittings supplied by different manufacturers and to allow, whenever practical, interchangeability with existing installations. It also specifies a standard designation system for composite line post insulators.

SIST/TC IŽNP Železniške naprave

SIST EN 13674-2:2019 SIST EN 13674-2:2006+A1:2010
2019-12 (po) (en;fr;de) 111 str. (N)
Železniške naprave - Zgornji ustroj proge - Tirnice - 2. del: Tirnice za kretnice in križišča, ki se uporabljajo skupaj z Vignolovo tirnico z maso 46 kg/m ali več
Railway applications - Track - Rail - Part 2: Switch and crossing rails used in conjunction with Vignole railway rails 46 kg/m and above
Osnova: EN 13674-2:2019
ICS: 45.080

This part of EN 13674 specifies switch and crossing rails that carry railway wheels. These are used in conjunction with Vignole railway rails. This part of this standard is not applicable for the check rails that do not carry railway wheels. Eight pearlitic steel grades are specified covering a hardness range of 200 HBW to 390 HBW and include non heat treated non-alloy steels, non heat treated alloy steels, heat treated non-alloy steels and heat treated low alloy steels. There are !34 rail profiles" specified in this standard, but they may not all be available in all steel grades. Rails specified in EN 13674-1 may also be used as switch and crossing rails and if so used they shall comply with the requirements of EN 13674-1.

SIST-TP CEN/TR 17373:2019
2019-12 (po) (en) 57 str. (J)
Železniške naprave - Železniška vozila - Ugotavljanje položaja tirnih vozil med vožnjo po tirnih protikrivinah in izračun prekrivanja odbojnikov
Railway applications - Railway rolling stock - Investigation of vehicles position on the reserve curve tracks during running and calculation of buffer overlap
Osnova: CEN/TR 17373:2019
ICS: 45.060.01

The purpose of this document is to analyse the conducted investigation and evaluation of lateral displacement and buffer overlap between each two specified vehicles of different train sets for defined running cases in curves.
For this purpose, the types of vehicles defining the train sets and different operating conditions are specified. Position of the vehicles on the track at the moment of maximum lateral displacement (minimum buffer overlap) is recorded during the calculation.
The worst cases of lateral displacement and buffer overlap between two coupled vehicles as well as relation to equations in EN 15551:2009 are analysed.

SIST/TC KAV Kakovost vode

SIST ISO 20899:2019
2019-12 (po) (en) 19 str. (E)
Kakovost vode - Plutonij in neptunij - Preskusna metoda masne spektrometrije z induktivno sklopljeno plazmo (ICP/MS)
Water quality - Plutonium and neptunium - Test method using ICP-MS
Osnova: ISO 20899:2018
ICS: 13.060.50, 17.240

This document specifies methods used to determine the concentration of plutonium and neptunium isotopes in water by inductively coupled plasma mass spectrometry (ICP-MS) (239Pu, 240Pu, 241Pu and 237Np). The concentrations obtained can be converted into activity concentrations of the different isotopes[9]. Due to its relatively short half-life and 238U isobaric interference, 238Pu can hardly be measured by this method. To quantify this isotope, other techniques can be used (ICP-MS with collision-reaction cell, ICP-MS/MS with collision-reaction cell or chemical separation). Alpha spectrometry

measurement, as described in ISO 13167[10], is currently used[11]. This method is applicable to all types of water having a saline load less than 1 g·l•1. A dilution of the sample is possible to obtain a solution having a saline load and activity concentrations compatible with the preparation and the measurement assembly. A filtration at 0,45 ěm is needed for determination of dissolved nuclides. Acidification and chemical
separation of the sample are always needed. The limit of quantification depends on the chemical separation and the performance of the
measurement device. This method covers the measurement of those isotopes in water in activity concentrations between around[12][13]:
— 1 mBq·l•1 to 5 Bq·l•1 for 239Pu, 240Pu and 237Np;
— 1 Bq·l•1 to 5 Bq·l•1 for 241Pu.
In both cases, samples with higher activity concentrations than 5 Bq·l•1 can be measured if a dilution is performed before the chemical separation.
It is possible to measure 241Pu following a pre-concentration step of at least 1 000.

SIST ISO 21675:2019
2019-12 (po) (en;fr;de) 48 str. (I)
Kakovost vode - Določevanje perfluoroalkil in polifluoroalkil spojin (PFAS) v vodi - Metoda z ekstrakcijo na trdni fazi in s tekočinsko kromatografijo-tandemsko masno spektrometrijo (LC-MS/MS)
Water quality - Determination of perfluoroalkyl and polyfluoroalkyl substances (PFAS) in water - Method using solid phase extraction and liquid chromatography-tandem mass spectrometry (LC-MS/MS)
Osnova: ISO 21675:2019
ICS: 71.040.50, 13.060.50

This document specifies a method for the determination of selected perfluoroalkyl and polyfluoroalkyl substances (PFAS) in non-filtrated waters, for example drinking water, natural water (fresh water and sea water) and waste water containing less than 2 g/l solid particulate material (SPM) using liquid chromatography-tandem mass spectrometry (LC-MS/MS). The compounds monitored by this method are typically the linear isomers. The group of compounds determined by this method are representative of a wide variety of PFAS. The analytes specified in Table 1 can be determined by this method. The list can be modified depending on the purpose for which the method is intended. The lower application range of this method can vary depending on the sensitivity of the equipment used and the matrix of the sample. For most compounds to which this document applies •0,2 ng/l as limit of quantification can be achieved. Actual levels can depend on the blank levels realized by individual laboratory. The applicability of the method to further substances, not listed in Table 1, or to further types of water is not excluded, but is intended to be validated separately for each individual case.

SIST/TC KAZ Kakovost zraka

SIST EN ISO 21877:2019
2019-12 (po) (en;fr;de) 52 str. (J)
Emisije nepremičnih virov - Določevanje masne koncentracije amoniaka - Ročna metoda (ISO 21877:2019)
Stationary source emissions - Determination of the mass concentration of ammonia - Manual method (ISO 21877:2019)
Osnova: EN ISO 21877:2019
ICS: 13.040.40

This document specifies a manual method of measurement including sampling and different analytical methods for the determination of the mass concentration of ammonia (NH3) in the waste gas of industrial plants, for example combustion plants or agricultural plants. All compounds which are volatile at the sampling temperature and produce ammonium ions upon dissociation during sampling in the absorption solution are measured by this method, which gives therefore the volatile ammonia content of the waste

gas. This document specifies an independent method of measurement, which has been validated in field tests up to a NH3 concentration of approximately 65 mg/m3 at standard conditions. This method of measurement can be used for intermittent monitoring of ammonia emissions as well as for the calibration and validation of permanently installed automated ammonia measuring systems.

SIST ISO 10312:2019 SIST ISO 10312:1996
2019-12 (po) (en) 78 str. (L)
Zunanji zrak - Določevanje azbestnih vlaken - Metoda transmisijske elektronske mikroskopije z neposrednim prenosom
Ambient air - Determination of asbestos fibres - Direct transfer transmission electron microscopy method
Osnova: ISO 10312:2019
ICS: 13.040.20

This document specifies a reference method using transmission electron microscopy for the determination of airborne asbestos fibres and structures in in a wide range of ambient air situations, including the interior atmospheres of buildings, and for a detailed evaluation for asbestos structures in any atmosphere. The method allows determination of the type(s) of asbestos fibres present and also includes measurement of the lengths, widths and aspect ratios of the asbestos structures. The method cannot discriminate between individual fibres of asbestos and elongate fragments (cleavage fragments and acicular particles) from non-asbestos analogues of the same amphibole mineral.

SIST ISO 12219-9:2019
2019-12 (po) (en;fr) 20 str. (E)
Notranji zrak v cestnih vozilih - 9. del: Določevanje emisij hlapnih organskih spojin iz notranjih delov vozila - Metoda vzorčenja s plinskimi vrečami
Interior air of road vehicles - Part 9: Determination of the emissions of volatile organic compounds from vehicle interior parts - Large bag method
Osnova: ISO 12219-9:2019
ICS: 43.020, 13.040.20

This document specifies a large bag sampling method for measuring volatile organic compounds (VOCs), formaldehyde and other carbonyl compounds which are emitted from vehicle interior parts into the air inside road vehicles. This method is intended for evaluation of large new vehicle interior parts, and complete assemblies. This is a screening method to compare similar car components under similar test conditions on a routine basis. Evaluating VOC emissions of vehicle interior parts is an important aspect of the vehicle indoor air quality. This document is complementary to existing standards and provides test laboratories and the manufacturing industry with a cost-effective evaluation of vehicle interior parts. This method is only applicable to newly manufactured vehicle parts. This method is applicable to all types of vehicles, and vehicle products which are used as parts in the interior of vehicles.

SIST ISO 13794:2019 SIST ISO 13794:2002
2019-12 (po) (en) 87 str. (M)
Zunanji zrak - Določevanje azbestnih vlaken - Metoda transmisijske elektronske mikroskopije s posrednim prenosom
Ambient air - Determination of asbestos fibres - Indirect-transfer transmission electron microscopy method
Osnova: ISO 13794:2019
ICS: 13.040.20

This document specifies a reference method using transmission electron microscopy for the determination of airborne asbestos fibres and structures in in a wide range of ambient air situations, including the interior atmospheres of buildings, and for a detailed evaluation for asbestos structures in any atmosphere. The specimen preparation procedure incorporates ashing and dispersion of the collected

particulate, so that all asbestos is measured, including the asbestos originally incorporated in particle aggregates or particles of composite materials. The lengths, widths and aspect ratios of the asbestos fibres and bundles are measured, and these, together with the density of the type of asbestos, also allow the total mass concentration of airborne asbestos to be calculated. The method allows determination of the type(s) of asbestos fibres present. The method cannot discriminate between individual fibres of the asbestos and elongate fragments (cleavage fragments and acicular particles) from non-asbestos analogues of the same amphibole mineral[12].

SIST ISO 14385-1:2019
2019-12 (po) (en) 40 str. (H)
Emisije nepremičnih virov - Toplogredni plini - 1. del: Kalibracija avtomatskih merilnih sistemov
Stationary source emissions - Greenhouse gases - Part 1: Calibration of automated measuring systems
Osnova: ISO 14385-1:2014
ICS: 13.020.40, 13.040.40

This document specifies the procedures for establishing quality assurance for automated measuring systems (AMS) installed on industrial plants for the determination of the concentration of greenhouse gases in flue and waste gas and other flue gas parameters. This part of ISO 14385 specifies a procedure to calibrate the AMS and determine the variability of the measured values obtained by an AMS, which is suitable for the validation of an AMS following its installation. This part of ISO 14385 is designed to be used after the AMS has been accepted according to the procedures specified in ISO 14956.

SIST ISO 14385-2:2019
2019-12 (po) (en) 37 str. (H)
Emisije nepremičnih virov - Toplogredni plini - 2. del: Zagotavljanje kakovosti avtomatskih merilnih sistemov
Stationary source emissions - Greenhouse gases - Part 2: Ongoing quality control of automated measuring systems
Osnova: ISO 14385-2:2014
ICS: 13.020.40, 13.040.40

This document specifies procedures for establishing quality assurance for automated measuring systems (AMS) installed on industrial plants for the determination of the concentration of greenhouse gases in flue and waste gas and other flue gas parameters. This part of ISO 14385 specifies the following: - a procedure to maintain and demonstrate the required quality of the measurement results during the normal operation of an AMS, by checking that the zero and span characteristics are consistent with those determined using the relevant procedure in ISO 14956; - a procedure for the annual surveillance tests (AST) of the AMS in order to evaluate a) that it functions correctly and its performance remains valid and b) that its calibration function and variability remain as previously determined. This part of ISO 14385 is designed to be used after the AMS has been accepted according to the procedures specified in ISO 14956. This part of ISO 14385 is restricted to quality assurance (QA) of the AMS and does not include QA of the data collection and recording system of the plant.

SIST ISO 16000-38:2019
2019-12 (po) (en) 14 str. (D)
Notranji zrak - 38. del: Določevanje aminov v notranjem zraku in preskusni komori - Aktivno vzorčenje z vzorčevalniki s filtri, impregniranimi s fosforjevo kislino
Indoor air - Part 38: Determination of amines in indoor and test chamber air - Active sampling on samplers containing phosphoric acid impregnated filters
Osnova: ISO 16000-38:2019
ICS: 13.040.20

This document specifies a method for the determination of primary, secondary and tertiary aliphatic and aromatic amines in indoor air using accumulated sampling and high-performance liquidchromatography (HPLC) coupled with tandem mass spectrometry (MS-MS) or high resolution mass spectrometry (HRMS). It specifies the sampling procedure for determining the mass concentration of amines as mean values by sampling the amines on phosphoric acid impregnated filters. The analytical procedure of the measurement method is covered by ISO 16000-39. Measurements, performed with samplers containing phosphoric acid-impregnated inert supporting material and operating at specified flow rates for specified sampling periods are described in this document. Requirements regarding sample volume are also defined. The range of application of this document concerning the concentrations of amines in indoor air depends on the linear range of the calibration line and hence on the gas sample volume (here: from 5 l up to 100 l), the eluate volume (from 1 ml up to 5 ml), the injection volume (from 1 ěl up to 10 ěl) and the sensitivity of the analytical equipment (e.g. linear range from 2 pg up to 2 ng amine). The range of application can be expected to be from approximately 0,002 ěg/mƷ (100 l sample) up to 2 000 ěg/mƷ (5 l sample) for a common analytical equipment1) for the majority of the amines listed in Annex A. The analysis of derivatives of ethanolamine is usually about 10 times more sensitive and the analysis of short-chained aliphatic amines is usually about 10 times less sensitive than the analysis of an average amine. Although primarily intended for the measurement of amines listed in Annex A, this document can also be used for the measurement of other amines in indoor air. This document describes procedures for the fabrication and gives requirements for the use of glass tubes containing impregnated filters out of phosphoric acid-impregnated glass wool as samplers, but does not exclude other samplers with proven equal or improved properties. This document also gives procedures for the demonstration of equivalence of other sampler types or methods. This document does not cover the determination of amines in other media like water or soil. Furthermore, it does not cover the determination of isocyanates in indoor air as corresponding amines (covered by ISO 17734-1 and ISO 17734-2). Quaternary amines are also not included in this document.

SIST ISO 16000-39:2019
2019-12 (po) (en) 17 str. (E)
Notranji zrak - 39. del: Določevanje aminov - Analiza aminov s tekočinsko kromatografijo visoke ločljivosti (HPLC), sklopljeno z masno spektrometrijo visoke ločljivosti (HRMS) ali tandemsko masno spektrometrijo (MS-MS)
Indoor air - Part 39: Determination of amines - Analysis of amines by (ultra-) high-performance liquid chromatography coupled to high resolution or tandem mass spectrometry
Osnova: ISO 16000-39:2019
ICS: 13.040.20

This document, along with ISO 16000-38, specifies the measurement method for determining the mass concentration of primary, secondary and tertiary aliphatic and aromatic amines in indoor air using accumulated sampling and high-performance liquid chromatography (HPLC) coupled with tandem mass spectrometry (MS-MS) or high-resolution mass spectrometry (HRMS). The analytical procedure is covered by this document. The sampling procedure and the manufacturing of the samplers are covered by ISO 16000-38. This document describes specifications for the chromatography and the mass spectroscopy for the amines. Measurement results are expressed in ěg/mƷ. Although primarily intended for the measurement of amines listed in Tables A.1 and A.2, it can also be used for the measurement of other amines in indoor air. This document gives instructions and describes procedures for the inclusion of other amines. The range of application of this document concerning the concentrations of amines in indoor air depends on the linear range of the calibration line and hence on the gas sample volume (here: from 5 l up to 100 l), the eluate volume (from 1 ml up to 5 ml), the injection volume (from 1 ěl up to 10 ěl) and the sensitivity of the analytical equipment (e.g. linear range from 2 pg up to 2 ng amine). The range of application can be expected to be from approximately 0,002 ěg/mƷ (100 l sample) up to 2 000 ěg/ mƷ (5 l sample) for a common analytical equipment (e.g. Waters „TQD“) for the majority of the amines listed in Tables A.1 and A.2. The analysis of derivatives of ethanolamine is usually about 10 times more sensitive and the analysis of short-chained aliphatic amines is usually about 10 times less sensitive than the analysis of an average amine. The performance data of the analytical method is given in Annex B, particularly in Tables B.1 and B.2. This document can be used also for the determination of amines in

water if the detection limit is sufficient. This document does not cover the determination of isocyanates in indoor air (nor in water samples) as corresponding amines (covered by ISO 17734-1 and ISO 17734-2).

SIST ISO 16000-40:2019
2019-12 (po) (en) 29 str. (G)
Notranji zrak - 40. del: Sistem vodenja kakovosti notranjega zraka
Indoor air - Part 40: Indoor air quality management system
Osnova: ISO 16000-40:2019
ICS: 13.040.20

This document specifies requirements for an indoor air quality management system. It is applicable to any organization that wishes to:
a) establish a system for the management of the quality of indoor air;
b) implement, maintain and continually improve the indoor air quality management system;
c) ensure conformity to the indoor air quality management system;
d) demonstrate conformity to this document.
It is applicable to the indoor environments of all kinds of facilities, installations and buildings, except those that are exclusively dedicated to industrial and/or agriculture activities. It is applicable to all types of indoor environments occupied by all kinds of persons, including regular users, clients, workers, etc.

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

SIST EN 16437:2014+A1:2019 SIST EN 16437:2014/kFprA1:2019
SIST EN 16437:2014
2019-12 (po) (en;fr;de) 37 str. (H)
Kemična razkužila in antiseptiki - Kvantitativni preskus na poroznih površinah brez mehanskega delovanja za vrednotenje baktericidnega delovanja kemičnih razkužil in antiseptikov v veterini - Preskusna metoda in zahteve (faza 2, stopnja 2) (vključno z dopolnilom A1)
Chemical disinfectants and antiseptics - Quantitative surface test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in veterinary area on porous surfaces without mechanical action - Test method and requirements (phase 2, step 2)
Osnova: EN 16437:2014+A1:2019
ICS: 11.220, 71.100.35

EN 16437:2014+A1 specifies a test method and the minimum requirements for bactericidal activity of chemical disinfectants and antiseptic products that form a homogeneous, physically stable preparation when diluted with hard water - or in the case of ready-to-use products - with water. This European Standard applies to products that are used in the veterinary area on porous surfaces without mechanical action i.e. in the breeding, husbandry, production, !veterinary care facilities", transport and disposal of all animals except when in the food chain following death and entry to the processing industry. EN 14885 specifies in detail the relationship of the various tests to one another and to “use recommendations”.

SIST/TC KON.007 Geotehnika - EC 7

SIST EN ISO 18674-5:2019
2019-12 (po) (en) 34 str. (H)
Geotehnično preiskovanje in preskušanje - Geotehnične meritve - 5. del: Merjenje sprememb napetosti s tlačnimi merskimi celicami (ISO 18674-5:2019)
Geotechnical investigation and testing - Geotechnical monitoring by field instrumentation - Part 5: Stress change measurements by total pressure cells (TPC) (ISO 18674-5:2019)
Osnova: EN ISO 18674-5:2019
ICS: 93.020, 13.080.20

This standard forms part 5 of the series ISO 18674, as described in ISO 18674-1: Part 1. General rules the methods and gives rules for measurement of total stresses in geotechnical engineering or more general in foundation engineering. Stresses in soil or rock are needed to judge the loading of engineered construction in the ground.

SIST/TC KŽP Kmetijski pridelki in živilski proizvodi

SIST EN 15633-1:2019 SIST EN 15633-1:2009
2019-12 (po) (en;fr;de) 15 str. (D)
Živila - Odkrivanje prisotnosti alergenov v živilih z imunološkimi metodami - 1. del: Splošne ugotovitve
Foodstuffs - Detection of food allergens by immunological methods - Part 1: General considerations
Osnova: EN 15633-1:2019
ICS: 67.050

This document provides an overall framework covering qualitative and quantitative methods for the determination of food allergens and allergenic ingredients using antibody-based methods in foods. This European Standard specifies general guidelines and performance criteria for antibody-based methods for the detection and quantification of proteins that serve as markers for the presence of allergy provoking foods or food ingredients. Other methods than those described can also detect and identify the proteins. Guidelines, minimum requirements and performance criteria laid down in this European Standard are intended to ensure that comparable and reproducible results are obtained by different analysts in food premises and laboratories.

SIST EN 15634-1:2019 SIST EN 15634-1:2009
2019-12 (po) (en;fr;de) 15 str. (D)
Živila - Odkrivanje prisotnosti alergenov v živilih z molekularno biološkimi metodami - 1. del: Splošne ugotovitve
Foodstuffs - Detection of food allergens by molecular biological methods - Part 1: General considerations
Osnova: EN 15634-1:2019
ICS: 67.050, 07.100.30

This document provides the overall framework for detection of sequences corresponding to species containing allergens using the polymerase chain reaction (PCR). It relates to the requirements for the specific amplification of target nucleic acid sequences (DNA) and for the confirmation of the identity of the amplified nucleic acid sequence.
Guidelines, minimum requirements and performance criteria laid down in this document are intended to ensure that comparable and reproducible results are obtained in different laboratories. This document has been established for food matrices.

SIST EN 15634-2:2019 SIST-TS CEN/TS 15634-2:2012
2019-12 (po) (en;fr;de) 20 str. (E)
Živila - Odkrivanje prisotnosti alergenov v živilih z molekularno biološkimi metodami - 2. del: Zelena (Apium graveolens) - Odkrivanje specifičnega niza DNK v obarjenih klobasah s PCR v realnem času
Foodstuffs - Detection of food allergens by molecular biological methods - Part 2: Celery (Apium graveolens) - Detection of a specific DNA sequence in cooked sausages by real-time PCR
Osnova: EN 15634-2:2019
ICS: 67.120.10, 07.100.30

This document specifies a method for the detection of celery (Apium graveolens) in emulsion-type sausages (e.g. Frankfurter, Wiener).
Real-time PCR detection of celery is based on an 101 bp (base pair) sequence from the gene of the mannitol dehydrogenase (GenBank Acc. No. AF067082) of celery (Apium graveolens).
The method has been validated on emulsion-type sausages (Bavarian “Leberkäse”) spiked with celery. For

this purpose meat batter containing mass fractions of 50 % pork meat, 25 % pork fat, 23 % crushed ice and 1,8 % of a mixture of sodium chloride, nitrite, nitrate, phosphates and ascorbates was prepared according to a standard procedure for emulsion-type sausage. The meat batter was spiked with either ground celery seeds or celery root powder to 1000 mg/kg. Lower spiking levels were obtained by diluting with celery-free meat batter. The batter was stuffed into casings and heated at 65 °C for 60 min [2].

SIST EN 15842:2019 SIST EN 15842:2010
2019-12 (po) (en;fr;de) 18 str. (E)
Živila - Odkrivanje prisotnosti alergenov v živilih - Splošne ugotovitve in validacija metod
Foodstuffs - Detection of food allergens - General considerations and validation of methods
Osnova: EN 15842:2019
ICS: 67.050

This document specifies how to use the standards for immunoassays, nucleic based and chromatographic methods and their relationship in the analysis of food allergens; and contains general definitions, requirements and guidelines for laboratory set-up, method validation requirements, description of methods, and test reports.
This document also specifies general guidelines for the requirements and use of reference materials for the determination of allergenic commodities in food products. The term "reference materials" in this document includes certified reference materials as well as quality control materials. Currently only a limited number of reference materials for food allergen determination are available. As new materials become accepted and validated, they can be appended as an annex to this document.
This document does not deal with sampling issues. It simply details processes involved from receipt of the laboratory sample to the end result.

SIST EN 17254:2019
2019-12 (po) (en;fr;de) 10 str. (C)
Živila - Minimalne zahteve za ugotavljanje glutena z metodo ELISA
Foodstuffs - Minimum performance requirements for determination of gluten by ELISA
Osnova: EN 17254:2019
ICS: 67.050

This document specifies minimum method performance requirements for enzyme-linked immunosorbent assays that quantify non-fragmented or fragmented gluten from wheat (e.g. Triticum aestivum), rye, and barley in raw and processed foodstuffs.

SIST EN 17256:2019
2019-12 (po) (en;fr;de) 38 str. (H)
Krma: metode vzorčenja in analize - Določevanje alkaloidov rožička in tropanskih alkaloidov v sestavinah krme in krmni mešanici z LC-MS/MS
Animal feeding stuffs: Methods of sampling and analysis - Determination of ergot alkaloids and tropane alkaloids in feed materials and compound feeds by LC-MS/MS
Osnova: EN 17256:2019
ICS: 65.120

This document describes a method for the determination of individual ergot alkaloids and tropane alkaloids in unprocessed cereals and cereal-based compound feeds by high performance liquid chromatography coupled with tandem mass spectrometry (LC-MS/MS). The ergot alkaloids covered in this method are: ergocornine, ergocorninine, ergocristine, ergocristinine, á-ergocryptine, á-ergocryptinine, ergometrine, ergometrinine, ergosine, ergosinine, ergotamine and ergotaminine. The tropane alkaloids covered in this method are: atropine (hyoscyamine) and scopolamine. The limit of quantification for all compounds should be at least 10 µg/kg.
This method has been in-house validated in the range 10 - 500 µg/kg for individual alkaloids. The

detection of concentrations above 500 µg/kg is possible via dilution of the sample extract, but this has not been validated.

SIST EN 17279:2019
2019-12 (po) (en;fr;de) 30 str. (G)
Živila - Multirezidualna presejalna metoda za ugotavljanje prisotnosti aflatoksina B1, deoksinivalenola, fumonizinov B1 in B2, ohratoksina A, toksina T-2 in HT-2 ter zearalenona v živilih, razen v hrani za dojenčke in majhne otroke, s HPLC-MS/MS
Foodstuffs - Multimethod for the screening of aflatoxin B1, deoxynivalenol, fumonisin B1 and B2, ochratoxin A, T-2 toxin, HT-2 toxin and zearalenone in foodstuffs, excluding foods for infants and young children, by LC-MS/MS
Osnova: EN 17279:2019
ICS: 67.050

This document describes a screening method for the determination of aflatoxin B1, deoxynivalenol, fumonisin B1 and B2, ochratoxin A, HT-2 and T-2 toxins, and zearalenone in foodstuffs by high performance liquid chromatography (HPLC) coupled with tandem mass spectrometry (MS/MS).
The aim of the screening method is to test compliance of foodstuff with regulatory limits or to determine whether a certain pre-defined level (the screening target concentration, STC) is exceeded or not. The result of the screening is either "negative" or "suspect". "Negative" (screen negative) means that the targeted mycotoxins are not detected or potentially present but below the STC. "Suspect" (screen positive) means that the established cut-off level is exceeded and the sample can contain one or more mycotoxins at a level higher than the STC.
For full identification and accurate quantification a second confirmatory quantitative analysis method is required which is outside the scope of this document.
The method is suitable for various types of foodstuff and has been validated for representative matrices from four commodity groups:
- high starch and/or protein content and low water and fat content: wheat, cereal mixture, wheat flour and cornflakes;
- high oil content: peanuts;
- high sugar low water content: figs;
- high water content: grape juice.
During validation, cut-off levels were established for the following screening target concentrations:
- aflatoxin B1: 2 µg/kg to 5 µg/kg;
- deoxynivalenol: 250 µg/kg to 865 µg/kg;
- fumonisin B1: 200 µg/kg to 790 µg/kg;
- fumonisin B2: 110 µg/kg to 230 µg/kg;
- ochratoxin A: 4 µg/kg to 9 µg/kg;
- T-2 toxin: 25 µg/kg;
- HT-2 toxin: 25 µg/kg to 50 µg/kg;
- zearalenone: 30 µg/kg to 100 µg/kg.

SIST EN 17280:2019
2019-12 (po) (en;fr;de) 48 str. (I)
Živila - Določevanje zearalenona in trihotecena, vključno z deoksinivalenolom in njegovimi acetiliranimi derivati (3-acetil-deoksinivalenol in 15-acetil-deoksinivalenol), nivalenolom toksinov T-2 in HT-2, v žitu in žitnih proizvodih z LC-MS/MS
Foodstuffs - Determination of zearalenone and trichothecenes including deoxynivalenol and its acetylated derivatives (3-acetyl-deoxynivalenol and 15-acetyl-deoxynivalenol), nivalenol T-2 toxin and HT-2 toxin in cereals and cereal products by LC-MS/MS
Osnova: EN 17280:2019
ICS: 67.060

This document describes a procedure for the determination of nivalenol (NIV), deoxynivalenol (DON) and its acetyl derivatives (3-acetyl-DON and 15-acetyl-DON), HT-2 and T-2 toxins (HT-2, T-2) and zearalenone

(ZEA) in cereals and cereal products by high performance liquid chromatography (HPLC) coupled with tandem mass spectrometry (MS/MS) after cleanup by solid phase extraction (SPE).
The method has been validated with both contaminated and spiked samples of wheat, wheat flour, and wheat crackers.
Validation levels for NIV ranged from 27,7ěg/kg to 377,8 ěg/kg.
Validation levels for DON ranged from 233,9ěg/kg to 2420,0 ěg/kg.
Validation levels for 3-acetyl-DON ranged from 18,5ěg/kg to 136,5 ěg/kg.
Validation levels for 15-acetyl-DON ranged from 11,4ěg/kg to 141,8 ěg/kg.
Validation levels for HT-2 ranged from 6,6 ěg/kg to 133,8 ěg/kg.
Validation levels for T-2 ranged from 2,1 ěg/kg to 37,6 ěg/kg.
Validation levels for ZEA ranged from 31,6ěg/kg to 229,7 ěg/kg
Laboratory experiences have shown that this method is also applicable to barley and oat flour, and rye based crackers [5], however, this has not been validated in a collaborative study.

SIST EN ISO 15216-2:2019 SIST-TS CEN ISO/TS 15216-2:2013
2019-12 (po) (en) 49 str. (I)
Mikrobiologija v prehranski verigi - Horizontalna metoda za ugotavljanje virusa hepatitisa A in norovirusov z RT-PCR v realnem času - 2. del: Metoda za ugotavljanje (ISO 15216-2:2019)
Microbiology of the food chain - Horizontal method for determination of hepatitis A virus and norovirus using real-time RT-PCR - Part 2: Method for detection (ISO 15216-2:2019)
Osnova: EN ISO 15216-2:2019
ICS: 07.100.30

EN-ISO 15216-2 specifies a method for detection of hepatitis A virus (HAV) and norovirus genogroups I (GI) and II (GII), from test samples of foodstuffs [(soft fruit, leaf, stem and bulb vegetables, bottled water, bivalve molluscan shellfish (BMS)] or surfaces using real-time RT-PCR.This method is not validated for detection of the target viruses in other foodstuffs (including multi-component foodstuffs), or any other matrices, nor for the detection of other viruses in foodstuffs, surfaces or other matrices.

SIST EN ISO 17059:2019 SIST EN ISO 17059:2009
2019-12 (po) (en) 14 str. (D)
Oljnice - Ekstrakcija olja in priprava metilnih estrov iz trigliceridnih maščobnih kislin za analizo s plinsko kromatografijo (hitra metoda) (ISO 17059:2019)
Oilseeds - Extraction of oil and preparation of methyl esters of triglyceride fatty acids for analysis by gas chromatography (Rapid method) (ISO 17059:2019)
Osnova: EN ISO 17059:2019
ICS: 67.200.20

This document specifies a rapid method for extraction of oil and for preparation of the methyl esters of fatty acids. The methyl esters thus obtained can be used for gas chromatography. This International Standard is applicable to the following oilseeds: rape, sunflower, soya beans, mustard, linseed. NOTE Applying this rapid method to high erucic acid content rapeseed leads to an overestimation of erucic acid.

SIST-TP CEN/TR 17421:2019
2019-12 (po) (en;fr;de) 12 str. (C)
Krma: metode vzorčenja in analize - Priporočila za organizacijo in vrednotenje medlaboratorijskih primerjalnih shem za multirezidualne analizne metode
Animal feeding stuffs: Methods of sampling and analysis - Recommendations for the organization and evaluation of collaborative studies for multi-analyte methods of analysis
Osnova: CEN/TR 17421:2019
ICS: 65.120

This document gives guidance to those involved in designing, executing and evaluating interlaboratory comparison studies for multi-analyte methods of analysis, developed by CEN/TC 327 “Animal feeding

stuffs: Methods of sampling and analysis" and its working groups.
For the validation of multi-analyte methods their particularities must be considered which might necessitate deviations from the prescribed validation protocols. This study provides information whether the method is fit for its purpose and which performance can be expected in practical work while at the same time keeping the necessary effort for the study organizer and the participating laboratories minimal. Next to the abovementioned aspects regarding interlaboratory comparison studies, this document also gives guidance on the preceding steps, viz. in-house validation and preparation of the method protocol. Guidance is also given on the transferability of the method protocol and the familiarization with the method protocol through a training study, elements that – depending on the specific method – could be included in the design of the study.

SIST/TC LLZ Les, lesni izdelki in zaščita lesa

SIST EN 844:2019

SIST EN 844-1:1998
SIST EN 844-10:2003
SIST EN 844-11:2003
SIST EN 844-12:2003
SIST EN 844-2:1998
SIST EN 844-3:2015
SIST EN 844-4:2003
SIST EN 844-5:1998
SIST EN 844-6:2003
SIST EN 844-7:2003
SIST EN 844-8:1999
SIST EN 844-9:2003

2019-12 (po) (en,fr,de) 100 str. (M)
Okrogli in žagani les - Terminologija
Round and sawn timber - Terminology
Osnova: EN 844:2019
ICS: 01.040.79, 79.040

This European Standard defines general terms relating to sawn timber and round timber used in European Standards.

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

SIST-TS CLC/TS 50586:2019
2019-12 (po) (en) 339 str. (V)
Odprti protokol pametnega omrežja (OSGP)
Open Smart Grid Protocol (OSGP)
Osnova: CLC/TS 50586:2019
ICS: 33.200, 35.240.99

This document describes the data interface model, application-level communication, management functionalities, and security mechanism for the exchange of data with smart-grid devices. The following five areas are referred to as the Open Smart Grid Protocol (OSGP).
• Data exchange with smart-grid devices allows Utility Suppliers to collect customer usage information such as billing data and load profiles, monitor and control grid utilization, provision scheduling of tariffs, detect theft and tampers, and to issue disconnects, to name a few. Meter features are described in Clauses 7 and 8.
• The OSGP data interface uses a representation-oriented model (tables and procedures) which require low overhead. The model is described in Clause 5, with specific tables specified in Annex A, Annex B, and procedures in Annex C and Annex D.
• The OSGP application protocol is designed to use the EN 14908-1:2014 communication stack over

narrowband power line channels. Clause 9 describes the messages that are used to access OSGP data. An essential feature of the protocol over power line channels is a repeating mechanism which gives the application layer the control and responsibility for forwarding packets among devices, independent of the routing protocol or limitations of underlying layers. Therefore OSGP can be adapted to other communication stacks and medium, although such adaptation is outside of the scope of this specification. The repeating mechanism is described in Annex G.
• OSGP management features include the discovery of devices and the routing topology in a protocol called Automated Topology Management (described in Clause 4) commissioning of devices for secured communication (Annex F), monitoring of device connectivity, and updating of device firmware.
• OSGP security covers authentication, encryption, and key management. This is detailed in Annex F.

SIST/TC MOC Mobilne komunikacije

SIST EN 301 908-14 V13.1.1:2019
2019-12 (po) (en) 116 str. (N)
Celična omrežja IMT - Harmonizirani standard za dostop do radijskega spektra - 14. del: Bazne postaje za razviti prizemni radijski dostop za UMTS (E-UTRA)
IMT cellular networks - Harmonised Standard for access to radio spectrum - Part 14: Evolved Universal Terrestrial Radio Access (E-UTRA) Base Stations (BS)
Osnova: ETSI EN 301 908-14 V13.1.1 (2019-09)
ICS: 33.070.99, 33.060.99

The present document specifies technical characteristics and methods of measurements for the types of equipment:
1) Base Station for Evolved Universal Terrestrial Radio Access (E-UTRA).
2) Base Station for Evolved Universal Terrestrial Radio Access (E-UTRA) with NB-IoT.
3) Base Station for NB-IoT standalone.
This radio equipment type is capable of operating in all or any part of the operating bands given in table 1-1. Unless stated otherwise, requirements specified for the TDD duplex mode apply for downlink and uplink operations in Frame Structure Type 2. NB-IoT is designed to operate in the E-UTRA operating bands 1, 3, 8, 20, 28 which are defined in table 1-1. The present document covers conducted requirements for E-UTRA Base Stations for 3GPP Release 8, 9, 10, 11, 12 and 13. Additionally, it includes the requirements for E-UTRA Base Station operating bands and E-UTRA CA operating
bands from 3GPP Release 14.
NOTE: The relationship between the present document and essential requirements of article 3.2 of Directive 2014/53/EU [i.2] is given in annex A.

SIST EN 301 908-18 V13.1.1:2019
2019-12 (po) (en) 80 str. (L)
Celična omrežja IMT - Harmonizirani standard za dostop do radijskega spektra - 18. del: Večstandardna (E-UTRA, UTRA in GSM/EDGE) radijska bazna postaja
IMT cellular networks - Harmonised Standard for access to radio spectrum - Part 18: E-UTRA, UTRA and GSM/EDGE Multi-Standard Radio (MSR) Base Station (BS)
Osnova: ETSI EN 301 908-18 V13.1.1 (2019-09)
ICS: 33.070.99, 33.060.99

The present document applies to the following equipment types:
• Multi-Standard Radio capable Base stations (E-UTRA, UTRA, GSM/EDGE, NB-IoT).
These radio equipment types are capable of operating in all or any part of the frequency bands given in table 1-1.
NOTE 1: For BS capable of multi-band operation, the supported operating bands may belong to different Band Categories. The present document covers conducted requirements for multi-RAT capable E-UTRA, UTRA and GSM/EDGE MSR Base Stations for 3GPP™ Release 9, 10, 11, 12 and 13. This includes the requirements for E UTRA Base Station operating bands and E-UTRA CA operating bands from 3GPP

Release 14.
NOTE 2: The relationship between the present document and essential requirements of article 3.2 of Directive 2014/53/EU [i.1] is given in annex A.

SIST EN 301 908-3 V13.1.1:2019
2019-12 (po) (en) 65 str. (K)
Celična omrežja IMT - Harmonizirani standard za dostop do radijskega spektra - 3. del: Bazne postaje s CDMA z neposrednim razprševanjem ("Direct Spread") (UTRA FDD)
IMT cellular networks - Harmonised Standard for access to radio spectrum - Part 3: CDMA Direct Spread (UTRA FDD) Base Stations (BS)
Osnova: ETSI EN 301 908-3 V13.1.1 (2019-09)
ICS: 33.070.99, 33.060.99

The present document specifies technical characteristics and methods of measurements for the equipment:
• Stations for IMT 2000 CDMA Direct Spread (UTRA FDD).
- This radio equipment type is capable of operating in all or any part of the frequency bands given in table 1-1.
The present document covers conducted requirements for UTRA FDD Base Stations for 3GPP Releases 99, 4, 5, 6, 7, 8, 9, 10, 11, 12 and 13. Additionally, it includes the requirements for BS operating bands from 3GPP Release 14.
NOTE: The relationship between the present document and essential requirements of article 3.2 of Directive 2014/53/EU [i.2] is given in annex A.

SIST EN 303 446-1 V1.2.1:2019
2019-12 (po) (en) 18 str. (E)
Standard elektromagnetne združljivosti (EMC) za kombinirano in/ali integrirano radijsko in neradijsko opremo - 1. del: Zahteve za opremo, ki je namenjena za uporabo v stanovanjskih in poslovnih prostorih ter v prostorih lahke industrije
ElectroMagnetic Compatibility (EMC) standard for combined and/or integrated radio and non-radio equipment - Part 1: Requirements for equipment intended to be used in residential, commercial and light industry locations
Osnova: ETSI EN 303 446-1 V1.2.1 (2019-10)
ICS: 33.100.01, 33.060.01

The present document defines requirements in respect of ElectroMagnetic Compatibility (EMC) for combined and/or integrated equipment intended to be used within residential, commercial and light industry locations. The present document is only applicable to combined and/or integrated equipment where the radio function is within the scope of one or more of the standards listed in clause 2.1.2 (covering references [1] to [7]) and where the non-radio function is within the scope of one or more of the standards listed in clause 2.1.3 (covering references [8] to [39]). Requirements applicable to the antenna port specifically related to the efficient use of radio spectrum are not included in the present document. NOTE: These requirements are generally found in the applicable product standard(s) for the effective use of the radio spectrum.

SIST EN 303 446-2 V1.2.1:2019
2019-12 (po) (en) 18 str. (E)
Standard elektromagnetne združljivosti (EMC) za kombinirano in/ali integrirano radijsko in neradijsko opremo - 2. del: Zahteve za opremo, ki je namenjena za uporabo v industriji
ElectroMagnetic Compatibility (EMC) standard for combined and/or integrated radio and non-radio equipment - Part 2: Requirements for equipment intended to be used in industrial locations
Osnova: ETSI EN 303 446-2 V1.2.1 (2019-10)
ICS: 33.060.01, 33.100.01

The present document defines requirements in respect of ElectroMagnetic Compatibility (EMC) for combined and/or integrated equipment intended to be used within industrial locations. The present document is only applicable to combined and/or integrated equipment where the radio function is within the scope of one or more of the standards listed in clause 2.1.2 (covering references [1] to [8]) and where the non-radio function is within the scope of one or more of the standards listed in clause 2.1.3 (covering references [9] to [50]). Requirements applicable to the antenna port specifically related to the efficient use of radio spectrum are not included in the present document. NOTE: These requirements are generally found in the applicable product standard(s) for the effective use of the radio spectrum.

SIST EN IEC 61169-24:2019 SIST EN 61169-24:2009
2019-12 (po) (en) 29 str. (G)
Radiofrekvenčni konektorji - 24. del: Področna specifikacija - Radiofrekvenčni koaksialni konektorji z navojnim spajanjem, tipični za uporabo v 75 ohm kabelskih omrežjih (tip F) (IEC 61169-24:2019)
Radio-frequency connectors - Part 24: Sectional specification - Radio frequency coaxial connectors with screw coupling, typically for use in 75 Ohms cable networks (type F) (IEC 61169-24:2019)
Osnova: EN IEC 61169-24:2019
ICS: 33.120.30

EN-IEC 61169-24, which is a sectional specification (SS), provides information and rules for the preparation of detail specifications (DS) for RF coaxial connectors with screw coupling, typically for use in 75 O cable networks (type F). It describes the interface dimensions with gauging information and the mandatory tests selected from IEC 61169-1, applicable to all DS relating to type F connectors. This specification indicates the recommended performance characteristics to be considered when writing a DS and covers test schedules and inspection requirements.

SIST/TC NAD Naftni proizvodi, maziva in sorodni proizvodi

SIST EN ISO 20846:2019 SIST EN ISO 20846:2011
2019-12 (po) (en;fr;de) 20 str. (E)
Naftni proizvodi - Določevanje žvepla v gorivih za motorna vozila - Ultravijolična fluorescenčna metoda (ISO 20846:2019)
Petroleum products - Determination of sulfur content of automotive fuels - Ultraviolet fluorescence method (ISO 20846:2019)
Osnova: EN ISO 20846:2019
ICS: 75.160.20

This document specifies an ultraviolet (UV) fluorescence test method for the determination of the sulfur content of the following products: - having sulfur contents in the range 3 mg/kg to 500 mg/ kg, - motor gasolines containing up to 3,7 % (m/m) oxygen [including those blended with ethanol up to about 10 % (V/V)], - diesel fuels, including those containing up to about 30 % (V/V) fatty acid methyl ester (FAME), - having sulfur contents in the range of 3 mg/kg to 45 mg/kg, - synthetic fuels, such as hydrotreated vegetable oil (HVO) and gas to liquid (GTL). Other products can be analysed and other sulfur contents can be determined according to this test method, however, no precision data for products other than automotive fuels and for results outside the specified range have been established for this document. Halogens interfere with this detection technique at concentrations above approximately 3 500 mg/kg.

SIST EN ISO 20884:2019 SIST EN ISO 20884:2011

2019-12 (po) (en;fr;de) 16 str. (D)

Naftni proizvodi - Določevanje žvepla v gorivih za motorna vozila - Metoda z valovno disperzivno rentgensko fluorescenčno spektrometrijo (ISO 20884:2019)

Petroleum products - Determination of sulfur content of automotive fuels - Wavelength-dispersive X-ray fluorescence spectrometry (ISO 20884:2019)

Osnova: EN ISO 20884:2019

ICS: 75.160.20

This document specifies a wavelength-dispersive X-ray fluorescence (WDXRF) test method for the determination of the sulfur content of liquid, homogeneous automotive fuels from 5 mg/kg to 500 mg/kg, which have a maximum oxygen content of 3,7 % (m/m). This product range covers: - diesel fuels containing up to about 30 % (V/V) fatty acid methyl esters (FAME), - motor gasolines containing up to about 10 % (V/V) ethanol, - synthetic fuels such as hydrotreated vegetable oil (HVO) and gas to liquid (GTL) having sulfur contents in the range of 5 mg/kg to 45 mg/kg. Products with higher oxygen content show significant matrix effects, e.g. pure FAME used as biodiesel, nevertheless, pure FAME can be analysed when the corresponding procedures are followed (see 5.3 and 8.1). Other products can be analysed with this test method, though precision data for products other than those mentioned have not been established for this document.

SIST EN ISO 4259-1:2018/A1:2019

2019-12 (po) (en;fr;de) 10 str. (C)

Nafta in sorodni proizvodi - Natančnost merilnih metod in rezultatov - 1. del: Določevanje natančnosti preskusnih metod - Dopolnilo A1 (ISO 4259-1:2017/DAM 1:2019)

Petroleum and related products - Precision of measurement methods and results - Part 1: Determination of precision data in relation to methods of test - Amendment 1 (ISO 4259-1:2017/Amd 1:2019)

Osnova: EN ISO 4259-1:2017/A1:2019

ICS: 75.180.30, 75.080

Dopolnilo A1:2019 je dodatek k standardu SIST EN ISO 4259-1:2018.

Ta dokument opredeljuje metodologijo za načrtovanje medlaboratorijske študije (ILS) in izračun stopnje natančnosti preskusne metode, ki jo je določila študija. Še zlasti določa ustrezne statistične izraze (točka 3), postopke za načrtovanje medlaboratorijske študije za določitev natančnosti preskusne metode (točka 4) in metodo za izračun natančnosti na podlagi rezultatov take študije (točki 5 in 6). Postopki v tem dokumentu so bili zasnovani posebej za nafto in sorodne proizvode, ki se običajno obravnavajo kot homogeni. Kljub temu pa se postopke, opisane v tem dokumentu, lahko uporablja tudi za druge vrste homogenih proizvodov. Pred uporabo tega dokumenta za proizvode, pri katerih je predpostavka o homogenosti lahko vprašljiva, so potrebne temeljite preiskave.

SIST EN ISO 4259-2:2018/A1:2019

2019-12 (po) (en;fr;de) 11 str. (C)

Nafta in sorodni proizvodi - Natančnost merilnih metod in rezultatov - 2. del: Razlaga in uporaba podatkov o natančnosti preskusnih metod - Dopolnilo A1 (ISO 4259-2:2017/DAmd 1:2019)

Petroleum and related products - Precision of measurement methods and results - Part 2: Interpretation and application of precision data in relation to methods of test - Amendment 1 (ISO 4259-2:2017/Amd 1:2019)

Osnova: EN ISO 4259-2:2017/A1:2019

ICS: 75.180.30, 75.080

Dopolnilo A1:2019 je dodatek k standardu SIST EN ISO 4259-2:2018.

Ta dokument določa metodologijo za uporabo ocen natančnosti preskusne metode iz standarda ISO 4259-1. Določa predvsem postopke za določitev omejitev specifikacij lastnosti na podlagi natančnosti preskusne metode, če se lastnost določi z uporabo posebne preskusne metode, in pri določanju statusa skladnosti specifikacije, če med dobaviteljem in prejemnikom obstajajo nasprotujoči si rezultati. Drugi načini uporabe natančnosti te preskusne metode so na kratko opisani brez povezanih postopkov.

Postopki v tem dokumentu so bili zasnovani posebej za nafto in sorodne proizvode, ki so običajno homogeni. Kljub temu se postopki, opisani v tem dokumentu, lahko uporabljajo pri drugih vrstah homogenih proizvodov. Pred uporabo tega dokumenta za proizvode, pri katerih je predpostavka o homogenosti lahko vprašljiva, so potrebne temeljite preiskave.

SIST EN ISO 6145-1:2019 SIST EN ISO 6145-1:2008
2019-12 (po) (en;fr;de) 32 str. (G)
Analiza plinov - Priprava kalibracijskih plinskih zmesi z uporabo dinamičnih metod - 1. del: Splošni vidiki (ISO 6145-1:2019)
Gas analysis - Preparation of calibration gas mixtures using dynamic methods - Part 1: General aspects (ISO 6145-1:2019)
Osnova: EN ISO 6145-1:2019
ICS: 71.040.40

This document gives a brief overview of each of the dynamic techniques which are described in detail in the subsequent parts of ISO 6145. This document provides basic information to support an informed choice for one or another method for the preparation of calibration gas mixtures. It also describes how these methods can be linked to national measurement standards to establish metrological traceability for the composition of the prepared gas mixtures. Since all techniques are dynamic and rely on flow rates, this document describes the calibration process by measurement of each individual flow rate generated by the device. Methods are also provided for assessing the composition of the generated gas mixtures by comparison with an already validated calibration gas mixture. This document provides general requirements for the use and operation of dynamic methods for gas mixture preparation. It also includes the necessary expressions for calculating the calibration gas composition and its associated uncertainty. Gas mixtures obtained by these dynamic methods can be used to calibrate or control gas analysers. The storage of dynamically prepared gas mixtures into bags or cylinders is beyond the scope of this document.

SIST EN ISO 6246:2017/A1:2019
2019-12 (po) (en;fr;de) 7 str. (B)
Naftni proizvodi - Vsebnost smolnega ostanka v gorivih - Metoda s prepihavanjem - Dopolnilo A1: Zahteva glede čistosti n-heptana (ISO 6246:2017/Amd 1:2019)
Petroleum products - Gum content of fuels - Jet evaporation method - Amendment 1: Purity requirement for n-heptane (ISO 6246:2017/Amd 1:2019)
Osnova: EN ISO 6246:2017/A1:2019
ICS: 75.160.20

Dopolnilo A1:2019 je dodatek k standardu SIST EN ISO 6246:2017.
Ta dokument določa metodo za določevanje obstoječe vsebnosti smolnega ostanka v letalskih gorivih in vsebnosti smolnega ostanka v bencinu za motorna vozila ali drugih hlapnih destilatih. Vključuje določevanje izdelkov, ki vsebujejo etanol (s prostorninskim deležem do vključno 85 %) ter etrske kisikove spojine in aditive za nadzor ostankov. Za določevanje vsebnosti smolnega ostanka v etanolu (E85), ki se uporablja kot motorno gorivo, ni na voljo podatkov o natančnosti (glej točko 14.1). Za goriva, ki se ne uporabljajo v letalstvu, je opisan tudi postopek za določevanje dela ostanka, ki ni topen v heptanu. POZOR – ta metoda ni namenjena za preskušanje komponent bencina, zlasti tistih z visokim deležem nenasičenih spojin z nizkim vreliščem, ker lahko med izhlapevanjem povzročijo eksplozije.

SIST/TC NVV Nadzemni vodi in vodniki

SIST EN 50341-2-15:2019
2019-12 (po) (en;fr;de) 63 str. (K)
Nadzemni električni vodi za izmenične napetosti nad 1 kV - 2-15. del: Nacionalna normativna določila (NNA) za Nizozemsko (na podlagi EN 50341-1:2012)
Overhead electrical lines exceeding AC 1 kV - Part 2-15: National Normative Aspects (NNAs) for the Netherlands (based on EN 50341-1:2012)
Osnova: EN 50341-2-15:2019
ICS: 29.240.20

EN 50341-2-15 is applicable for new high-voltage overhead lines only, not for existing lines in the Netherlands. This NNA includes the requirements for application of plastic cables, with metal or without (ADSS) metal, for telecommunication, as well as for conductor/earthwire (groundwire) systems (e.g. wraparound,....). This NNA is applicable for fixing of structural elements for telecommunication (e.g. dishes), if mounted on power line supports (towers), especially regarding the wind forces and ice loads on such fixed elements. To overhead electrical lines exceeding 1 kV (A.C.) but lower than 45 kV (A.C.) Part 1 is applicable without special national conditions (snc) or national complements (ncpt).

SIST EN 50341-2-2:2019
2019-12 (po) (en;fr;de) 29 str. (G)
Nadzemni električni vodi za izmenične napetosti nad 1 kV - 2-2. del: Nacionalna normativna določila (NNA) za Belgijo (na podlagi EN 50341-1:2012)
Overhead electrical lines exceeding AC 1 kV - Part 2-2: National Normative Aspects (NNA) for Belgium (based on EN 50341-1:2012)
Osnova: EN 50341-2-2:2019
ICS: 29.240.20

Part 1 and the present Part 2-2 are only applicable to completely new or completely replaced overhead lines between two points, A and B, as well as to new supports on new foundations with nominal voltages above AC 50 kV.

SIST EN 50341-2-24:2019
2019-12 (po) (en;fr;de) 61 str. (K)
Nadzemni električni vodi za izmenične napetosti nad 1 kV - 2-24. del: Nacionalna normativna določila (NNA) za Romunijo (na podlagi EN 50341-1:2012)
Overhead electrical lines exceeding AC 1 kV - Part 2-24: National Normative Aspects (NNA) for Romania (based on EN 50341-1:2012)
Osnova: EN 50341-2-24:2019
ICS: 29.240.20

1.1 General
1.1 RO.1 General
(ncpt) This Part 2-24 gives the requirements for planning, design and construction of overhead electrical lines with nominal voltages exceeding A.C. 1 kV operating at 50 Hz frequency.
The present Part 2-24 is not applicable for existing overhead electrical lines unless specifically required by Project Specification. The power installations of overhead lines, that are in different stages of design or construction, can be finalised in conformity with the standards in force at project beginning.
For the application of this standard for specific requirements relaring to modernization, increasing safety and transport capacity of existing overhead lines, reference shall be specified in the Project Specification. At the same time, the correlation between relevant regulations and associated standards shall be established in the Project Specifications.
The extension of existing electrical lines is considered as new overhead lines, except the junction points that shall be detailed in the Project Specifications.

1.2 Field of application
1.2 RO.1 Overhead electrical lines with insulated conductors
(ncpt) This Part 2-24 is applicable for the design and construction of overhead electrical lines with insulated conductors where the internal and external clearances can be smaller than those specified in Part 1 (SR EN 50341-1:2013).

SIST EN 50341-2-4:2019 SIST EN 50341-2-4:2016
2019-12 (po) (en;fr;de) 91 str. (M)
Nadzemni električni vodi za izmenične napetosti nad 1 kV - 2-4. del: Nacionalna normativna določila (NNA) za Nemčijo (na podlagi EN 50341-1:2012)
Overhead electrical lines exceeding AC 1 kV - Part 2-4: National Normative Aspects (NNA) for GERMANY (based on EN 50341-1:2012)
Osnova: EN 50341-2-4:2019
ICS: 29.240.20

EN 50341-2-4 applies for planning and design of overhead lines with nominal voltages above AC 1 kV. This EN needs not to be adopted for existing installations. Installations in the planning and construction stage may be completed adopting the standard edition valid at the beginning of planning.In Germany this EN is applicable for all types of conductors (according to the information in clause 1.2) which contain components for telecommunication. In Germany this EN is applicable for the installation of telecommunication equipment on supports. Reference is made to 4.11.1/DE.1 “Extension of utilization”.

SIST/TC OGS Ogrevanje stavb

SIST EN 13487:2019 SIST EN 13487:2004
2019-12 (po) (en;fr;de) 28 str. (G)
Prenosniki toplote - Zračno hlajeni kondenzatorji in hladilniki kapljevine s prisilno konvekcijo - Merjenje hrupa
Heat exchangers - Forced convection air cooled refrigerant condensers and dry coolers - Sound measurement
Osnova: EN 13487:2019
ICS: 27.060.30, 17.140.20

This European Standard is one of a series of European Standards dedicated to air-cooled heat exchangers.
- forced convection air cooled refrigerant condensers as specified in EN 327;
- forced convection unit air coolers for refrigeration as specified in EN 328;
- air cooled liquid coolers "dry coolers" as specified in EN 1048.

This standard provides information for assessing and presenting the acoustic emission characteristics of heat exchangers under stationary operating conditions. This European Standard is applicable to selfstanding forced convection air cooled refrigerant condensers and air cooled liquid coolers "dry coolers" and air coolers.

SIST EN 215:2019 SIST EN 215:2004
SIST EN 215:2004/A1:2006
2019-12 (po) (en;fr;de) 44 str. (I)
Termostatski ventili za ogrevala - Zahteve in preskusne metode
Thermostatic radiator valves - Requirements and test methods
Osnova: EN 215:2019
ICS: 23.060.01, 91.140.10

This European Standard specifies definitions, requirements and test methods for thermostatic radiator valves (referred to hereafter as thermostatic valves). This standard applies to two port thermostatic valves with or without pre-setting facility for fitting to radiators in wet central heating installations up to a water temperature of 120 °C and a nominal pressure of PN 10. This standard further specifies the dimensions,

the materials and the connection details of four series of straight and angle pattern thermostatic radiator valves of nominal pressure inferior or equal to PN 10. This standard can be used as reference in a CEN/CENELEC Certification Mark System on thermostatic radiator valves.

SIST/TC OVP Osebna varovalna oprema

SIST EN ISO 11393-2:2019 SIST EN 381-2:1996
SIST EN 381-5:1996

2019-12 (po) (en) 34 str. (H)

Varovalna obleka za uporabnike ročnih verižnih žag - 2. del: Zahtevane lastnosti in preskusne metode za ščitnike nog (ISO 11393-2:2018)

Protective clothing for users of hand-held chainsaws - Part 2: Performance requirements and test methods for leg protectors (ISO 11393-2:2018)

Osnova: EN ISO 11393-2:2019
ICS: 13.340.50

This part of ISO 11393 defines the design and specifies the requirements and test methods for leg protectors which offer protection against cutting from a hand-held chainsaw, including requirements for identification, marking and information for the user.

SIST EN ISO 11393-4:2019 SIST EN 381-4:2000
SIST EN 381-7:2000

2019-12 (po) (en) 30 str. (G)

Varovalna obleka za uporabnike ročnih verižnih žag - 4. del: Zahtevane lastnosti in preskusne metode za zaščitne rokavice (ISO 11393-4:2018)

Protective clothing for users of hand-held chainsaws - Part 4: Performance requirements and test methods for protective gloves (ISO 11393-4:2018)

Osnova: EN ISO 11393-4:2019
ICS: 13.340.40

This part of ISO 11393 specifies the requirements and test methods for gloves that are intended to provide protection against cuts by a hand-held chain-saw, including requirements for identification, marking and information for the user. The method for measurement of protective coverage, the apparatus and the test method for assessing resistance to cutting, and the ergonomic assessment are specified. An informative annex on risk analysis, glove ergonomics and glove selection is provided.

SIST EN ISO 18640-2:2018/A1:2019

2019-12 (po) (en) 7 str. (B)

Varovalna obleka za gasilce - Fiziološki vpliv - 2. del: Določanje fiziološke toplotne obremenitve, ki jo povzroča varovalna obleka, ki jo nosijo gasilci - Dopolnilo A1 (ISO 18640-2:2018/Amd 1:2019)

Protective clothing for firefighters - Physiological impact - Part 2: Determination of physiological heat load caused by protective clothing worn by firefighters - Amendment 1 (ISO 18640-2:2018/Amd 1:2019)

Osnova: EN ISO 18640-2:2018/A1:2019
ICS: 13.220.10, 13.340.10

Dopolnilo A1:2019 je dodatek k standardu SIST EN ISO 18640-2:2018.
Ta evropski standard opisuje termofiziološki model (toplotni simulator človeka), ki uporablja izhodne podatke prvega dela za oblikovanje meril fiziološke toplotne obremenitve in napoveduje (najdaljše) trajanje dela v varovalnih oblačilih v pogojih dela gasilcev. OPOMBA: metoda s simulatorjem človeka, ki uporablja torzo za potenje (tj. lutko, opremljeno z instrumenti in modelom za toplotno-fiziološke povratne informacije) je bil potrjen v različnih scenarijih, pri čemer je bila izvedena primerjava s preskušanji na ljudeh (1, 2). V te scenarije so bila vključena tudi topla in hladna okolja, ki jih je mogoče pričakovati pri delu gasilcev. Za termofiziološki simulator človeka sta bili kot upoštevana fiziološka parametra izbrani

bazalna temperatura, ki je ena od najpomembnejših fizioloških spremenljivk, in povprečna temperatura kože, ki je koristen kazalnik občutka toplotnega udobja in splošnega stanja telesa.

SIST/TC PIP Pigmenti in polnila

SIST EN ISO 787-13:2019 SIST EN ISO 787-13:2003
2019-12 (po) (en;fr;de) 12 str. (C)
Splošne metode preskušanja pigmentov in polnil - 13. del: Določevanje sulfatov, kloridov in nitratov, topnih v vodi (ISO 787-13:2019)
General methods of test for pigments and extenders - Part 13: Determination of water-soluble sulfates, chlorides and nitrates (ISO 787-13:2019)
Osnova: EN ISO 787-13:2019
ICS: 87.060.10

This document specifies a general method of test for determining the water-soluble sulphates, chlorides and nitrates of pigments.

SIST EN ISO 787-15:2019 SIST EN ISO 787-15:1997
2019-12 (po) (en;fr;de) 15 str. (D)
Splošne metode preskušanja pigmentov in polnil - 15. del: Primerjava svetlobne obstojnosti barvnih pigmentov podobnih vrst (ISO 787-15:2019)
General methods of test for pigments and extenders - Part 15: Comparison of resistance to light of coloured pigments of similar types (ISO 787-15:2019)
Osnova: EN ISO 787-15:2019
ICS: 87.060.10

This document describes a general method of test for comparing the resistance to light of samples of similar types of coloured pigments (agreed reference pigment and test sample). Two methods of exposure are described in this document. In method A, the material is exposed under glass to natural light. In method B, the material is exposed to direct artificial light.

SIST/TC PPV Protivlomni in protipožarni vsebniki in zaklepni mehanizmi

SIST EN 1047-1:2019 SIST EN 1047-1:2006
2019-12 (po) (en) 26 str. (F)
Varnostne shranjevalne enote - Klasifikacija in metode preskušanja požarne odpornosti - 1. del: Omare za zaščito nosilcev podatkov in vložki za nosilce podatkov
Secure storage units - Classification and methods of test for resistance to fire - Part 1: Data cabinets and data inserts
Osnova: EN 1047-1:2019
ICS: 35.220.99, 13.220.40, 13.310

This part of this European Standard specifies requirements for fire resisting data cabinets and diskette inserts.
Two methods of test are specified to determine the ability of fire resisting data cabinets to protect temperature and humidity sensitive contents from the effects of fire: a fire endurance test and a fire shock and impact test. Two levels of fire severity (S 60 and S 120) based upon time of fire exposure; and three protection classes (P, D and DIS) are specified using the maximum temperature increases and humidity values permitted within the storage space of the data cabinet.
Diskette inserts (DI 60 P/DIS and DI 120 P/DIS) are installed in data cabinets of protection class S 60 P or S 120 P, respectively, and subjected to a fire endurance test (see 5.1.2).

Requirements are also specified for test specimens, the technical documentation for the test specimen, correlation of the test specimen with the technical documentation, preparation for type testing and test procedures.
A scheme to classify the fire resisting data cabinets and diskette inserts from the test results is also given (see Table 1).
Diskette inserts should only be installed in data cabinets having the same design as the series of protection class S 60 P and S 120 P, respectively, in which the insert has been tested in accordance with 5.1.2. Where several inserts are installed, they should be built in one beside the other or one above the other from bottom to top, respectively. The volume and total height of the installed inserts should not exceed 50 % of the total internal volume or 50 % of the internal height, respectively, of the data cabinets into which they are installed. The dimensions of the insert can be adapted by increasing the width and depth to the corresponding dimensions of the data cabinets. A reduction of these dimensions as well as a change of the height is only admitted within the specified tolerance.
The temperature increases during type-tests on data cabinets and diskette inserts will be considered in deciding the permitted diskette insert installations. For a permitted installation, the temperature increase of the intended data cabinet (•T_A¶K) should not exceed the temperature increase of the tested data cabinet (•T_B¶K) in which the diskette insert has been type-tested by more than the difference between the maximum value for the diskette insert (•T_i¶K) and the maximum admissible temperature increase (30 K), i.e •T_A- •T_B•30 K- •T_i (See example in Annex B).
A description of the installation of the diskette inserts should be given in the technical documentation of the manufacturer.

SIST EN 15659:2019 SIST EN 15659:2009
2019-12 (po) (en;fr;de) 17 str. (E)
Varnostne shranjevalne enote - Klasifikacija in metode preskušanja požarne odpornosti - Shranjevalne enote za zaščito papirja do 170 °C
Secure storage units - Classification and methods of test for resistance to fire - Light fire storage units
Osnova: EN 15659:2019
ICS: 35.220.99, 13.310, 13.220.40

This European Standard specifies requirements for light fire storage units providing protection against fire. The method of test is specified to determine the ability of light fire storage units to protect paper media from the effects of fire. Two levels of fire exposure periods (LFS 30 P and LFS 60 P) are specified using the maximum temperature increase permitted within the storage space of the light fire storage unit. Requirements are also specified for the test specimen, the technical documentation for the test specimen, correlation of the test specimen with the technical documentation, preparation for type testing and test procedures. A scheme to classify the light fire storage units from the test results is also given (see Table 1).

SIST/TC PVS Fotonapetostni sistemi

SIST EN IEC 60904-7:2019 SIST EN 60904-7:2009
2019-12 (po) (en) 14 str. (D)
Fotonapetostne naprave - 7. del: Izračunavanje napake zaradi spektralnega neujemanja pri preskušanju fotonapetostnih naprav
Photovoltaic devices - Part 7: Computation of the spectral mismatch correction for measurements of photovoltaic devices
Osnova: EN IEC 60904-7:2019
ICS: 27.160

This European Standard describes the procedure for correcting the spectral mismatch error introduced in the testing of a photovoltaic device, caused by the mismatch between the test spectrum and the reference spectrum (e.g. AM1.5 spectrum) and by the mismatch between the spectral responsivities (SR) of the reference device and of the device under test and therewith reduce the systematic uncertainty. This

procedure is valid for single-junction devices but the principle may be extended to cover multi-junction devices. The purpose of this document is to give guidelines for the correction of the spectral mismatch error, should there be a spectral mismatch between the test spectrum and the reference spectrum as well as between the reference device SR and the device under test SR. The calculated spectral mismatch correction is only valid for the specific combination of test and reference devices measured with a particular test spectrum. Since a PV device has a wavelength-dependent spectral responsivity, its performance is significantly affected by the spectral distribution of the incident radiation, which in natural sunlight varies with several factors such as location, weather, time of year, time of day, orientation of the receiving surface, etc., and with a solar simulator varies with its type and conditions. If the irradiance is measured with a thermopile-type radiometer (that is not spectrally selective) or with a PV reference device (IEC 60904-2), the spectral irradiance distribution of the incoming light must be known to make the necessary corrections to obtain the performance of the PV device under the reference spectral irradiance distribution defined in IEC 60904-3. If a reference PV device or a thermopile type detector is used to measure the irradiance, then, following the procedure given in this document, it is possible to calculate the spectral mismatch correction necessary to obtain the short-circuit current of the device under test under the reference spectral irradiance distribution in IEC 60904-3 or any other reference spectrum. If the reference PV device has the same relative spectral responsivity as the device under test then the reference device automatically takes into account deviations of the measured spectral irradiance distribution from the reference spectral irradiance distribution, and no further correction of spectral mismatch errors is necessary. In this case, location and weather conditions are not critical when the reference device method is used for performance measurements under natural sunlight. Also, for identical relative SRs, the spectral classification of the simulator is not critical for measurements with solar simulators. If the performance of a PV device is measured using a known spectral irradiance distribution, its short-circuit current at any other spectral irradiance distribution can be computed using the spectral responsivity of the PV device under test.

SIST EN IEC 63202-1:2019

2019-12 (po) (en) 12 str. (C)

Fotonapetostne naprave - 11. del: Meritve degradacije kristalnih silicijevih sončnih celic, povzročene s svetlobo

Photovoltaic devices - Part 11: Measurement of light-induced degradation of crystalline silicon solar cells

Osnova: EN IEC 63202-1:2019

ICS: 27.160

This European Standard describes procedures for measuring the light-induced degradation (LID) of crystalline silicon photovoltaic (PV) cells in simulated sunlight. The magnitude of LID in a crystalline silicon PV cell is determined by comparing maximum output power at Standard Test Conditions (STC) before, and after, exposure to simulated sunlight at a specified temperature and irradiance. The purpose of this document is to provide standardized PV cell LID information to help PV module manufacturers in minimizing the mismatch between cells within the same module, thereby maximizing power yield. When compared to PV module LID measurements described in the IEC 61215 series, several extra experimental factors have been found to show significant impact on the PV cell LID test, which were not considered by IEC 61215-2. This document provides a conditioning and measurements procedure and parameter settings required for consistent PV cell LID measurements. LID magnitude is one important factor of cell quality. For cells from the same sorting bin, the most important factor is the distribution of output power after LID.

SIST/TC SPO Šport

SIST EN 1176-2:2018+AC:2019 SIST EN 1176-2:2018
2019-12 (po) (en;fr;de) 24 str. (F)
Oprema in podloge otroških igrišč - 2. del: Dodatne posebne varnostne zahteve in preskusne metode za viseče gugalnice
Playground equipment and surfacing - Part 2: Additional specific safety requirements and test methods for swings
Osnova: EN 1176-2:2017+AC:2019
ICS: 97.200.40

This European Standard specifies additional safety requirements for swings intended for permanent installation for use by children. Where the main play function is not swinging, the relevant requirements in this part of EN 1176 may be used, as appropriate.
NOTE Recommendations on the design and siting of swings are given in Annex A.

SIST EN 1176-5:2019 SIST EN 1176-5:2008
2019-12 (po) (en;fr;de) 19 str. (E)
Oprema in podloge otroških igrišč - 5. del: Dodatne posebne varnostne zahteve in preskusne metode za vrtiljake
Playground equipment and surfacing - Part 5: Additional specific safety requirements and test methods for carousels
Osnova: EN 1176-5:2019
ICS: 97.200.40

This Standard specifies additional safety requirements for carousels intended for permanent installation for use by children. Where the main play function is not rotating, the relevant requirements in this part of EN 1176 might be used, as appropriate. This document is not applicable to motor-driven carousels, fairground carousels or climbing drums.

SIST EN 14960-2:2019 SIST EN 14960:2013
2019-12 (po) (en;fr;de) 15 str. (D)
Napihljiva igralna oprema - 2. del: Dodatne varnostne zahteve za trajno nameščene napihljive blazine za skakanje
Inflatable play equipment - Part 2: Additional safety requirements for inflatable bouncing pillows intended for permanent installation
Osnova: EN 14960-2:2019
ICS: 97.200.50, 97.190

This part of EN 14960 specifies additional safety requirements for inflatable bouncing pillows intended for permanent installation. This part of the standard is applicable to inflatable play equipment intended for use by children fourteen years and under both individually and collectively. This part of the standard specifies safety requirements for inflatable play equipment for which the primary activity is bouncing. It sets measures to address risks and also to minimize accidents to users for those involved in the design, manufacture and supply of inflatable play equipment. It specifies information to be supplied with the equipment. The requirements have been laid down bearing in mind the risk factor based on available data. This part of the standard specifies the requirements that will protect a child from hazards that he or she may be unable to foresee when using the equipment as intended, or in a manner that can be reasonably anticipated. This part of the standard is not applicable to inflatables dealt with in prEN 14960-1:2017, inflatable water-borne play and leisure equipment, domestic inflatable toys, air-supported buildings, inflatables used solely for protection, inflatables used for rescue, or other types of inflatable toys where the primary activity is not bouncing or sliding.

SIST/TC STV Steklo, svetloba in razsvetljava v gradbeništvu

SIST EN 13032-4:2015+A1:2019 SIST EN 13032-4:2015
SIST EN 13032-4:2015/oprA1:2018

2019-12 (po) (en;fr;de) 71 str. (L)

Svetloba in razsvetljava - Merjenje in podajanje fotometričnih podatkov sijalk in svetilk - 4. del: LED-sijalke, moduli in svetilke

Light and lighting - Measurement and presentation of photometric data of lamps and luminaires - Part 4: LED lamps, modules and luminaires

Osnova: EN 13032-4:2015+A1:2019
ICS: 91.160.01, 17.180.20

This European Standard specifies the requirements for measurement of electrical, photometric, and colorimetric quantities of LED lamps, modules, light engines and luminaires, for operation with AC or DC supply voltages, possibly with associated control gear. Photometric and colorimetric quantities covered in this standard include total luminous flux, luminous efficacy, partial luminous flux, luminous intensity distribution, centre-beam intensities, luminance and luminance distribution, chromaticity coordinates, correlated color temperature (CCT), Color Rendering Index (CRI), and spatial uniformity of chromaticity. This standard does not cover LED packages and products based on OLEDs (organic LEDs). NOTE Where the term "LED product, LED device or DUT (device under test)" is used, the term covers LED lamps, modules, light engines or luminaires.

SIST/TC TGO Trajnostnost gradbenih objektov

SIST EN 15804:2012+A2:2019 SIST EN 15804:2012+A1:2013/oprA2:2018
SIST EN 15804:2012+A1:2013

2019-12 (po) (en;fr;de) 72 str. (L)

Trajnostnost gradbenih objektov - Okoljske deklaracije za proizvode - Skupna pravila za kategorije proizvodov za gradbene proizvode

Sustainability of construction works - Environmental product declarations - Core rules for the product category of construction products

Osnova: EN 15804:2012+A2:2019
ICS: 13.020.20, 91.010.01

This European standard provides core product category rules (PCR) for Type III environmental declarations for any construction product and construction service.
NOTE The assessment of social and economic performances at product level is not covered by this standard.
The core PCR:
- defines the parameters to be declared and the way in which they are collated and reported,
- describes which stages of a product's life cycle are considered in the EPD and which processes are to be included in the life cycle stages,
- defines rules for the development of scenarios,
- includes the rules for calculating the Life Cycle Inventory and the Life Cycle Impact Assessment underlying the EPD, including the specification of the data quality to be applied,
- includes the rules for reporting predetermined, environmental and health information, that is not covered by LCA for a product, construction process and construction service where necessary,
- defines the conditions under which construction products can be compared based on the information provided by EPD.
For the EPD of construction services the same rules and requirements apply as for the EPD of construction products.

SIST/TC TLP Tlačne posode

SIST EN 12807:2019 SIST EN 12807:2010
2019-12 (po) (en;fr;de) 32 str. (G)
Oprema in pribor za utekočinjeni naftni plin (UNP) - Premične, ponovno polnljive, trdo spajkane jeklenke iz jekla za UNP - Konstruiranje in izdelava
LPG equipment and accessories - Transportable refillable brazed steel cylinders for liquefied petroleum gas (LPG) - Design and construction
Osnova: EN 12807:2019
ICS: 23.020.35

This European Standard specifies the minimum requirements for the design, construction and testing during manufacture of transportable refillable brazed steel Liquefied Petroleum Gas (LPG) cylinders, of water capacity from 0,5 l up to and including 15 l, exposed to ambient temperatures.
This European Standard applies only to cylinders having a circular cross-section without any longitudinal joint.

SIST EN 14564:2019 SIST EN 14564:2013
2019-12 (po) (en;fr;de) 39 str. (H)
Cisterne za prevoz nevarnega blaga - Terminologija
Tanks for the transport of dangerous goods - Terminology
Osnova: EN 14564:2019
ICS: 23.020.20, 13.300, 01.040.23

This Standard provides additional terms and definitions to those written in the European Agreement Concerning the International Carriage of Dangerous Goods by Road (ADR) or the Regulations concerning the International Carriage of Dangerous Goods by Rail (RID), appearing as Appendix C to the Convention concerning International Carriage by Rail (COTIF). This document forms part of series of documents prepared by CEN/TC 296 regarding the transport of dangerous goods. The series supports the proper application of the ADR and RID. This document is applicable to tanks used for the transport of dangerous goods. This document does not apply to carriage in bulk of dangerous goods. For convenience, Annex A (informative) repeats some horizontal definitions taken from ADR 2017 chapter 1.2, and Annex B (informative) repeats some definitions from ADR 2017 chapter 6.7, specific to portable tanks. Annexes C, D and E (informative) provide alphabetical trilingual indexes of terms in English, French and German where the key is English, French and German respectively. Annex F (normative) is a schematic diagram of tank openings and closures according to the tank code.

SIST EN 16125:2019 SIST EN 16125:2016
2019-12 (po) (en;fr;de) 40 str. (H)
Oprema in pribor za utekočinjeni naftni plin (UNP) - Cevovodi in podpore - Tekoča in parna faza UNP
LPG Equipment and Accessories - Pipework systems and supports - LPG in liquid phase and vapour pressure phase
Osnova: EN 16125:2019
ICS: 75.200

This document specifies the requirements for the design, construction, testing, commissioning, operation and maintenance of LPG pipework in both the liquid phase and at full vapour pressure.
This document is applicable to LPG pipework having a maximum allowable pressure of less than or equal to 25 bar. This document is applicable to new LPG pipework as well as to replacements of, or extensions to, existing LPG pipework.
This document is not applicable to:
- pipelines and their accessories;
- pipework for the propulsion systems of road vehicles or boats; and
- pipework on ships.

SIST EN 16652-2:2019
2019-12 (po) (en;fr;de) 18 str. (E)
Oprema in pribor za utekočinjeni naftni plin (UNP) - Delavnice za motorna vozila na UNP - 2. del: Usposabljanje in usposobljenost osebja
LPG equipment and accessories - Automotive LPG vehicles workshops - Part 2: Personnel competence and training
Osnova: EN 16652-2:2019
ICS: 03.100.30, 23.020.20, 43.180

EN 16652-2 defines the competence profiles and establishes procedures for assessing the competence of persons who carry out the installation, repairing and maintaining of automotive LPG systems in workshops covered in EN 16652-1 The requirements of this document do not apply to "Car manufacturer network repairers" (see 3.8) when performing the activities of repairing, servicing and maintenance of vehicles from manufacturers for which they are authorized and duly trained.

SIST EN ISO 10462:2014/A1:2019
2019-12 (po) (en;fr;de) 7 str. (B)
Plinske jeklenke - Jeklenke za acetilen - Periodična kontrola in vzdrževanje - Dopolnilo A1 (ISO 10462:2013/Amd 1:2019)
Gas cylinders - Acetylene cylinders - Periodic inspection and maintenance - Amendment 1 (ISO 10462:2013/Amd 1:2019)
Osnova: EN ISO 10462:2013/A1:2019
ICS: 23.020.35

Dopolnilo A1:2019 je dodatek k standardu SIST EN ISO 10462:2014.
ISO 10462 določa zahteve za periodične preglede jeklenk za acetilen, kot se zahteva za prevoz nevarnega blaga, in vzdrževanje v povezavi s periodičnimi pregledi. Velja za jeklenke za acetilen z in brez topil ter z nominalno prostornino vode 150 litrov.

SIST EN ISO 14245:2019 SIST EN ISO 14245:2010
2019-12 (po) (en;fr;de) 32 str. (G)
Plinske jeklenke - Specifikacija in preskušanje ventilov za jeklenke za utekočinjeni naftni plin (UNP) - Samozaporni ventili (ISO 14245:2019)
Gas cylinders - Specifications and testing of LPG cylinder valves - Self-closing (ISO 14245:2019)
Osnova: EN ISO 14245:2019
ICS: 23.060.40, 23.020.35

This document specifies the requirements for design, specification, type testing and production testing and inspection for dedicated LPG self-closing cylinder valves for use with and directly connected to transportable refillable LPG cylinders. It also includes requirements for associated equipment for vapour and liquid service. Bursting discs and/or fusible plugs are not covered in this document. Annex A identifies requirements for production testing and inspection. This document excludes other LPG cylinder devices which are not an integral part of the dedicated selfclosing cylinder valve. This document does not apply to cylinder valves for fixed automotive installations and ball valves.

SIST EN ISO 15995:2019 SIST EN ISO 15995:2010
2019-12 (po) (en;fr;de) 34 str. (H)
Plinske jeklenke - Specifikacija in preskušanje ventilov za jeklenke za utekočinjeni naftni plin (UNP) - Ročno upravljanje (ISO 15995:2019)
Gas cylinders - Specifications and testing of LPG cylinder valves - Manually operated (ISO 15995:2019)
Osnova: EN ISO 15995:2019
ICS: 23.060.40, 23.020.35

This document specifies the requirements for design, specification, type testing and production testing and inspection for dedicated LPG self-closing cylinder valves for use with and directly connected to transportable refillable LPG cylinders. It also includes requirements for associated equipment for vapour and liquid service. Bursting discs and/or fusible plugs are not covered in this document. Annex A identifies requirements for production testing and inspection. This document excludes other LPG cylinder devices which are not an integral part of the dedicated selfclosing cylinder valve. This document does not apply to cylinder valves for fixed automotive installations and ball valves.

SIST EN ISO 9809-1:2019 SIST EN ISO 9809-1:2010
2019-12 (po) (en;fr;de) 65 str. (K)
Plinske jeklenke - Konstruiranje, izdelava in preskušanje ponovno polnljivih plinskih jeklenk in velikih jeklenk iz celega iz jekla - 1. del: Jeklenke in velike jeklenke iz jekel za poboljšanje z natezno trdnostjo, manjšo od 1100 MPa (ISO 9809-1:2019)
Gas cylinders - Design, construction and testing of refillable seamless steel gas cylinders and tubes - Part 1: Quenched and tempered steel cylinders and tubes with tensile strength less than 1 100 MPa (ISO 9809-1:2019)
Osnova: EN ISO 9809-1:2019
ICS: 23.020.35

This document specifies minimum requirements for the material, design, construction and workmanship, manufacturing processes, examination and testing at time of manufacture for refillable seamless steel gas cylinders and tubes with water capacities up to and including 450 l. It is applicable to cylinders and tubes for compressed, liquefied and dissolved gases and for quenched and tempered steel cylinders and tubes with a maximum actual tensile strength Rma of less than 1 100 MPa.

SIST EN ISO 9809-2:2019 SIST EN ISO 9809-2:2010
2019-12 (po) (en;fr;de) 66 str. (K)
Plinske jeklenke - Konstruiranje, izdelava in preskušanje ponovno polnljivih plinskih jeklenk in velikih jeklenk iz celega iz jekla - 2. del: Jeklenke in velike jeklenke iz jekel za poboljšanje z natezno trdnostjo, enako ali večjo od 1100 MPa (ISO 9809-2:2019)
Gas cylinders - Design, construction and testing of refillable seamless steel gas cylinders and tubes - Part 2: Quenched and tempered steel cylinders and tubes with tensile strength greater than or equal to 1 100 MPa (ISO 9809-2:2019)
Osnova: EN ISO 9809-2:2019
ICS: 23.020.35

This document specifies minimum requirements for the material, design, construction and workmanship, manufacturing processes, examination and testing at time of manufacture for refillable seamless steel gas cylinders and tubes with water capacities up to and including 450 l. it is applicable to cylinders and tubes for compressed, liquefied and dissolved gases and for quenched and tempered steel cylinders and tubes with an actual tensile strength Rma • 1 100 MPa. It is not applicable to cylinders and tubes with Rma, max > 1 300 MPa for diameters >140 mm and guaranteed wall thicknesses a' • 12 mm and for cylinders and tubes with Rma, max > 1 400 MPa for diameters •140 mm and guaranteed wall thicknesses a' • 6 mm because, beyond these limits, additional requirements can apply.

SIST EN ISO 9809-3:2019 SIST EN ISO 9809-3:2010
2019-12 (po) (en;fr;de) 63 str. (K)
Plinske jeklenke - Konstruiranje, izdelava in preskušanje ponovno polnljivih plinskih jeklenk in velikih jeklenk iz celega iz jekla - 3. del: Jeklenke in velike jeklenke iz normaliziranih jekel (ISO 9809-3:2019)
Gas cylinders - Design, construction and testing of refillable seamless steel gas cylinders and tubes - Part 3: Normalized steel cylinders and tubes (ISO 9809-3:2019)
Osnova: EN ISO 9809-3:2019
ICS: 23.020.35

This document specifies minimum requirements for the material, design, construction and workmanship, manufacturing processes, examination and testing at the time of manufacture for refillable seamless steel gas cylinders and tubes with water capacities up to and including 450 l. It is applicable to cylinders and tubes for compressed, liquefied and dissolved gases and for normalized or normalized and tempered steel cylinders and tubes.

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

SIST EN ISO 129-1:2019
2019-12 (po) (en;fr;de) 77 str. (L)
Tehnična dokumentacija proizvodov - Predstavitev dimenzij in toleranc - 1. del: Splošna načela (ISO 129-1:2018)
Technical product documentation (TPD) - Presentation of dimensions and tolerances - Part 1: General principles (ISO 129-1:2018)
Osnova: EN ISO 129-1:2019
ICS: 01.110

EN-ISO 129-1 establishes the general principles for presentation of dimensions and associated tolerances that apply to 2D technical drawings in all disciplines and trades but which can also be applied to 3D applications. This document does not cover the application of dimensional tolerances and their meaning. See ISO 14405-1 for tolerancing principles. This document can only be used to describe the nominal model of a drawing, not the non-ideal surface model (skin model) used for tolerancing purposes (for more information on tolerancing specifications, see the list of GPS standards listed as normative reference or as bibliography) Considering the ISO 14405 series, the presentation of tolerance indication is unambiguous when it is applied to a dimension which is a size and ambiguous when the dimension is not a size. All rules presented in this document are available for any type of drawing (see ISO 29845). In addition, this document introduces the concept of property indicators, developed length, between, surface indicators, flag notes and textual instructions.

SIST EN ISO 13715:2019 SIST ISO 13715:2018
2019-12 (po) (en;fr;de) 30 str. (G)
Tehnična dokumentacija proizvodov - Robovi nedoločenih oblik - Oznake in kotiranje (ISO 13715:2017)
Technical product documentation - Edges of undefined shape - Indication and dimensioning (ISO 13715:2017)
Osnova: EN ISO 13715:2019
ICS: 01.110

This document specifies rules for the indication and dimensioning of undefined edges in technical product and dimensions. The proportions and dimensions of the graphical symbols to be used are also specified. In cases where the geometrically defined shape of an edge (for example, 1 × 45°) is required, the general dimensioning principles given in ISO 129-1 apply.

SIST EN ISO 18388:2019
2019-12 (po) (en;fr;de) 15 str. (D)
Tehnična dokumentacija izdelkov - Sprostilni utori - Vrste in dimenzioniranje (ISO 18388:2016)
Technical product documentation (TPD) - Relief grooves - Types and dimensioning (ISO 18388:2016)
Osnova: EN ISO 18388:2019
ICS: 01.110

This International Standard specifies a series of relief grooves for shafts and holes, intended for general use in mechanical engineering.
It also intends to avoid unnecessary multiplicity of tools by a restricted selection of groove-types and

dimensional versions.
NOTE The shape and the dimensions of the relief grooves type G and H correspond with the “Indexable hard material inserts” according to ISO 6987.

SIST EN ISO 80000-10:2019 SIST EN ISO 80000-10:2013
SIST ISO 80000-10:2014

2019-12 (po) (en;fr;de) 53 str. (J)
Veličine in enote - 10. del: Atomska in jedrska fizika (ISO 80000-10:2019)
Quantities and units - Part 10: Atomic and nuclear physics (ISO 80000-10:2019)
Osnova: EN ISO 80000-10:2019
ICS: 01.060, 07.030

This document gives names, symbols, definitions and units for quantities used in atomic and nuclear physics. Where appropriate, conversion factors are also given.

SIST EN ISO 80000-12:2019 SIST EN ISO 80000-12:2013
SIST ISO 80000-12:2013

2019-12 (po) (en;fr;de) 22 str. (F)
Veličine in enote - 12. del: Fizika kondenzirane snovi (ISO 80000-12:2019)
Quantities and units - Part 12: Condensed matter physics (ISO 80000-12:2019)
Osnova: EN ISO 80000-12:2019
ICS: 07.030, 01.060

This document gives names, symbols, definitions and units for quantities of condensed matter physics. Where appropriate, conversion factors are also given.

SIST EN ISO 80000-2:2019 SIST EN ISO 80000-2:2013
SIST ISO 80000-2:2013

2019-12 (po) (en;fr;de) 45 str. (I)
Veličine in enote - 2. del: Matematika (ISO 80000-2:2019)
Quantities and units - Part 2: Mathematics (ISO 80000-2:2019)
Osnova: EN ISO 80000-2:2019
ICS: 01.060, 07.020

This document specifies mathematical symbols, explains their meanings, and gives verbal equivalents and applications. This document is intended mainly for use in the natural sciences and technology, but also applies to other areas where mathematics is used.

SIST EN ISO 80000-4:2019 SIST EN ISO 80000-4:2013
SIST ISO 80000-4:2012

2019-12 (po) (en;fr;de) 22 str. (F)
Veličine in enote - 4. del: Mehanika (ISO 80000-4:2019)
Quantities and units - Part 4: Mechanics (ISO 80000-4:2019)
Osnova: EN ISO 80000-4:2019
ICS: 17.020, 01.060

This document gives names, symbols, definitions and units for quantities of mechanics. Where appropriate, conversion factors are also given.

SIST EN ISO 80000-5:2019 SIST EN ISO 80000-5:2013
SIST ISO 80000-5:2012

2019-12 (po) (en;fr;de) 23 str. (F)
Veličine in enote - 5. del: Termodinamika (ISO 80000-5:2019)
Quantities and units - Part 5: Thermodynamics (ISO 80000-5:2019)
Osnova: EN ISO 80000-5:2019
ICS: 01.060, 17.200.01

This document gives names, symbols, definitions and units for quantities of thermodynamics. Where appropriate, conversion factors are also given.

SIST EN ISO 80000-9:2019 SIST EN ISO 80000-9:2013
SIST ISO 80000-9:2013
SIST ISO 80000-9:2013/A1:2013

2019-12 (po) (en;fr;de) 25 str. (F)
Veličine in enote - 9. del: Fizikalna kemija in molekulska fizika (ISO 80000-9:2019)
Quantities and units - Part 9: Physical chemistry and molecular physics (ISO 80000-9:2019)
Osnova: EN ISO 80000-9:2019
ICS: 07.030, 01.060

This document gives names, symbols, definitions and units for quantities of physical chemistry and molecular physics. Where appropriate, conversion factors are also given.

SIST/TC UGA Ugotavljanje skladnosti

SIST EN ISO/IEC 17029:2019
2019-12 (po) (en;fr;de) 40 str. (H)
Ugotavljanje skladnosti - Splošna načela in zahteve za organe, ki izvajajo validacijo in verifikacijo (ISO/IEC 17029:2019)
Conformity Assessment - General principles and requirements for validation and verification bodies (ISO/IEC 17029:2019)
Osnova: EN ISO/IEC 17029:2019
ICS: 03.120.20

This document contains general principles and requirements for the competence, consistent operation and impartiality of bodies providing validation and verification as conformity assessment. Bodies operating to this document can be internal (first party), collaborative (second party) as well as independent (third party) bodies and need not offer both, validation and verification activities. This document is applicable to validation and verification bodies in any sector, providing assurance through confirmation that claims or declarations are either plausible with regard to the intended purpose (validation) or correctly stated (verification). This document shall be applied in conjunction with sector specific programmes that contain requirements for validation and verification processes and rules. This document can be used as a basis for accreditation by accreditation bodies, peer assessment within peer assessment groups, or other forms of recognition of validation and verification bodies by international or regional organizations, governments, regulatory authorities, program or scheme owners, industry bodies, companies, customers or consumers.
NOTE This document contains generic requirements and is neutral with regard to the operated validation or verification programme. Requirements of the applicable programmes are additional to the requirements of this document.

SIST/TC UZO Upravljanje z okoljem

SIST EN ISO 14005:2019
2019-12 (po) (en) 71 str. (L)
Sistemi ravnanja z okoljem - Smernice za prilagodljiv pristop faznega uvajanja (ISO 14005:2019)
Environmental management systems - Guidelines for a flexible approach to phased implementation (ISO14005:2019)
Osnova: EN ISO 14005:2019
ICS: 03.100.70, 13.020.10

EN-ISO 14005 gives guidelines for a phased approach to establish, implement, maintain and improve an environmental management system (EMS) that organizations, including small and medium-sized enterprises (SMEs), can adopt to enhance their environmental performance. The phased approach provides flexibility that allows organizations to develop their EMS at their own pace, over a number of phases, according to their own circumstances. Each phase consists of six consecutive stages. The system's maturity at the end of each phase can be characterized using the five-level maturity matrix provided in Annex A. This document is applicable to any organization regardless of their current environmental performance, the nature of the activities undertaken or the locations at which they occur. The phased approach enables an organization to develop a system that ultimately satisfies the requirements of ISO 14001. The guidance does not cover those elements of specific systems that go beyond ISO 14001 and it is not intended to provide interpretations of the requirements of ISO 14001.

SIST/TC VAZ Varovanje zdravja

SIST EN ISO 10555-6:2017/A1:2019
2019-12 (po) (en) 7 str. (B)
Žilni katetri - Sterilni žilni katetri za enkratno uporabo - 6. del: Podkožni vsadki - Dopolnilo A1 (ISO 10555-6:2015/Amd 1:2019)
Intravascular catheters - Sterile and single-use catheters - Part 6: Subcutaneous implanted ports - Amendment 1 (ISO 10555-6:2015/Amd 1:2019)
Osnova: EN ISO 10555-6:2017/A1:2019
ICS: 11.040.25

Dopolnilo A1:2019 je dodatek k standardu SIST EN ISO 10555-6:2017.
Standard ISO 10555-6:2015 opredeljuje zahteve, učinkovitost in varnostna vprašanja, povezana s podkožnimi vsadki in katetri za intravaskularno dolgoročno uporabo, ki so dobavljeni sterilni in so namenjeni za enkratno uporabo.
Standard 10555-6:2015 ne določa zahtev, zmogljivosti in varnostnih vprašanj, povezanih z iglami, ki preprečujejo puščanje.

SIST EN ISO 3630-1:2019 SIST EN ISO 3630-1:2008
2019-12 (po) (en) 29 str. (G)
Zobozdravstvo - Endodontski instrumenti - 1. del: Splošne zahteve (ISO 3630-1:2019)
Dentistry - Endodontic instruments - Part 1: General requirements (ISO 3630-1:2019)
Osnova: EN ISO 3630-1:2019
ICS: 11.060.25

This document specifies general requirements and test methods for endodontic instruments used for endodontic purposes, e.g. enlargers, compactors, accessory instruments, shaping and cleaning instruments, and a numeric coding system. In addition, it covers general size designations, color-coding, packaging, and identification symbols.

SIST EN ISO 3826-1:2019 SIST EN ISO 3826-1:2013
2019-12 (po) (en) 31 str. (G)
Plastični zložljivi vsebniki za človeško kri in krvne komponente - 1. del: Običajni vsebniki (ISO 3826-1:2019)
Plastics collapsible containers for human blood and blood components - Part 1: Conventional containers (ISO 3826-1:2019)
Osnova: EN ISO 3826-1:2019
ICS: 11.040.20

This document specifies requirements, including performance requirements, for plastics collapsible, non-vented, sterile containers (known as plastics containers) complete with collecting tube outlet port(s), integral needle, and with optional transfer tube(s), for the collection, storage, processing, transport, separation, and administration of blood and blood components. The plastics containers can contain anticoagulant and/or preservative solutions, depending on the application envisaged. This document is also applicable to multiple units of plastics containers, e.g. to double, triple, quadruple, or multiple units. Unless otherwise specified, all tests specified in this document apply to the plastics container as prepared ready for use. This document is not applicable to plastics containers with an integrated filter.

SIST EN ISO 3964:2017/A1:2019
2019-12 (po) (en) 11 str. (C)
Zobozdravstvo - Priključne mere za priključke za vrteče se zobne pripomočke - Dopolnilo A1: Mere vmesnika (ISO 3964:2016/Amd 1:2018)
Dentistry - Coupling dimensions for handpiece connectors - Amendment 1: Interface dimensions (ISO 3964:2016/Amd 1:2018)
Osnova: EN ISO 3964:2016/A1:2019
ICS: 11.060.20

Dopolnilo A1:2019 je dodatek k standardu SIST EN ISO 3964:2017.
Ta mednarodni standard določa priključke med vrtečimi se zobnimi pripomočki in motorji, ki so povezani z dentalnimi enotami.
Ta mednarodni standard določa nominalne mere, odstopanja in ekstrakcijsko silo priključnih sistemov za uporabo med vrtečim se zobnim pripomočkom in motorjem, ki zobni pripomoček oskrbuje z vodo, zrakom, svetlobo in rotacijsko energijo.

SIST EN ISO 5356-2:2013/A1:2019
2019-12 (po) (en;fr;de) 7 str. (B)
Anestezijska in respiratorna oprema - Konični priključki - 2. del: Nosilni priključki z navojem - Dopolnilo A1 (ISO 5356-2:2012/Amd 1:2019)
Anaesthetic and respiratory equipment - Conical connectors - Part 2: Screw-threaded weight-bearing connectors - Amendment 1 (ISO 5356-2:2012/Amd 1:2019)
Osnova: EN ISO 5356-2:2012/A1:2019
ICS: 11.040.10

Dopolnilo A1:2019 je dodatek k standardu SIST EN ISO 5356-2:2013.
Ta del standarda ISO 5356 določa dimenzijske zahteve za nosilne konične priključke z navojem za uporabo z inhalacijskimi anestezijskimi pripomočki in respiratorno opremo. Takšni priključki so namenjeni za montažo težkih pripomočkov. Ta del standarda ISO 5356 določa zahteve za naslednje nosilne konične priključke z navojem: – 22 mm priključki; – 22 mm/15 mm koaksialni priključki. Zahteve za uporabo nosilnih koničnih priključkov z navojem niso vključene v ta del standarda ISO 5356, vendar so podane ali bodo podane v ustreznih mednarodnih standardih za posebno medicinsko opremo in pripomočke.

SIST EN ISO 5832-1:2019
2019-12 (po) (en) 14 str. (D)
Vsadki (implantati) za kirurgijo - Kovinski materiali - 1. del: Nerjavno jeklo (ISO 5832-1:2016)
Implants for surgery - Metallic materials - Part 1: Wrought stainless steel (ISO 5832-1:2016)
Osnova: EN ISO 5832-1:2019
ICS: 11.040.40

ISO 5832-1:2016 specifies the characteristics of, and corresponding test methods for, wrought stainless steel for use in the manufacture of surgical implants.
NOTE 1 The mechanical properties of a sample obtained from a finished product made of this alloy can differ from those specified in this part of ISO 5832.
NOTE 2 The alloy described in this part of ISO 5832 corresponds to UNS S31673 referred to in ASTM F138/ASTM F139 and to alloy code 1.4441 given in the withdrawn DIN 17443.

SIST EN ISO 5832-6:2019
2019-12 (po) (en) 9 str. (C)
Vsadki (implantati) za kirurgijo - Kovinski materiali - 6. del: Kobalt-nikelj-krom-molibdenova kovana zlitina (ISO 5832-6:1997)
Implants for surgery - Metallic materials - Part 6: Wrought cobalt-nickel-chromium-molybdenum alloy (ISO 5832-6:1997)
Osnova: EN ISO 5832-6:2019
ICS: 11.040.40

This part of ISO 5832 specifies the characteristics of, and corresponding test methods for, wrought cobalt-nickel-chromium-molybdenum alloy for use in the manufacture of surgical implants.
NOTE - The mechanical properties of a Sample obtained from a finished product made of this alloy may not necessarily comply with the specifications given in this part of ISO 5832.

SIST EN ISO 5832-7:2019
2019-12 (po) (en) 11 str. (C)
Vsadki (implantati) za kirurgijo - Kovinski materiali - 7. del: Kovne in hladno oblikovane kobalt-krom-nikelj-molibden-železove zlitine (ISO 5832-7:2016)
Implants for surgery - Metallic materials - Part 7: Forgeable and cold-formed cobalt-chromium-nickel-molybdenum-iron alloy (ISO 5832-7:2016)
Osnova: EN ISO 5832-7:2019
ICS: 11.040.40

ISO 5832-7:2016 specifies the characteristics of, and corresponding test methods for, forgeable and cold-formed cobalt-chromium-nickel-molybdenum-iron alloy for use in the manufacture of surgical implants.

SIST EN ISO 8362-1:2019 SIST EN ISO 8362-1:2010
SIST EN ISO 8362-1:2010/A1:2016
2019-12 (po) (en) 15 str. (D)
Vsebniki za parenteralne farmacevtske oblike in dodatna oprema - 1. del: Viale iz cevnega stekla (ISO 8362-1:2018)
Injection containers and accessories - Part 1: Injection vials made of glass tubing (ISO 8362-1:2018)
Osnova: EN ISO 8362-1:2019
ICS: 11.040.20

This document specifies the form, dimensions and capacities of glass vials for injectable preparations. It also specifies the material from which such containers are made and the performance requirements of those containers. This document is applicable to colourless or amber glass containers made from borosilicate or soda-lime glass, made from glass tubing, whether internally surface-treated or not, and intended to be used in the packaging, storage or transportation of products intended for injection.

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

SIST EN 60335-2-7:2010/A2:2019
2019-12 (po) (en) 11 str. (C)
Gospodinjski in podobni električni aparati - Varnost - 2-7. del: Posebne zahteve za pralne stroje - Dopolnilo A2
Household and similar electrical appliances - Safety - Part 2-7: Particular requirements for washing machines
Osnova: EN 60335-2-7:2010/A2:2019
ICS: 13.120, 97.060

Dopolnilo A2:2019 je dodatek k standardu SIST EN 60335-2-7:2010.
Obravnava varnost električnih pralnih strojev za gospodinjstva in podobne namene, namenjenih za pranje oblačil in tekstila, katerih napetost je manjša od 250 V za enofazne aparate in od 480 V za ostale aparate.

SIST/TC VSN Varnost strojev in naprav

SIST EN 12012-4:2019 SIST EN 12012-4:2007+A1:2008
2019-12 (po) (en;fr;de) 26 str. (F)
Stroji za predelavo gume in plastike - Drobilni stroji - 4. del: Varnostne zahteve za aglomeratorje
Plastics and rubber machines - Size reduction machines - Part 4: Safety requirements for agglomerators
Osnova: EN 12012-4:2019
ICS: 83.200

This European Standard specifies the essential safety requirements applicable to the design and construction of agglomerators used to densify plastic scrap, reducing its size and/or volume.
The limits of the agglomerator are as follows:
- the outer edge of the feed opening, or the outer edge of the fixed feed device when it is an integral part of the machine or the interface between the agglomerator chamber and the feed system, when it is not an integral part of the machine and
- the outer edge of the discharge opening of the agglomerator chamber or the integral discharge system or the interface between the agglomerator chamber and the discharge system, when it is not an integral part of the machine.
When the feed or discharge device is covered by a specific type C standard (e.g. EN 1114-1 for extruder) this should be applied.
Only the significant hazards listed in Annex A and dealt with in Clause 5 are subject to this European Standard. This European Standard does not deal with hazards caused by processing materials which, when heated, may lead to a risk of fire and release of toxic gases. This European Standard does not deal with hazards caused by upstream and/or downstream equipment. This document is not applicable to agglomerators manufactured before the date of its publication.

SIST EN ISO 19085-10:2019 SIST EN 1870-19:2014
2019-12 (po) (en;fr;de) 47 str. (I)
Lesnoobdelovalni stroji - Varnost - 10. del: Žage, ki se uporabljajo na gradbišču (ISO 19085-10:2018)
Woodworking machines - Safety - Part 10: Building site saws (contractor saws) (ISO 19085-10:2018)
Osnova: EN ISO 19085-10:2019
ICS: 25.080.60, 79.120.10

This international standard deals with all significant hazards, hazardous situations and events as listed in Clause 4 which are relevant to displaceable building site saws, hereinafter referred to as “machines”, designed to cut solid wood and material with similar characteristics to wood (see ISO 19085-1:2016), when they are operated, adjusted and maintained as intended and under the conditions foreseen by the

manufacturer including reasonably foreseeable misuse. Also transport, assembly, dismantling, disabling and scrapping phases are taken into account.

SIST EN ISO 19085-7:2019 SIST EN 859:2009+A2:2012
SIST EN 860:2009+A2:2012
SIST EN 861:2008+A2:2012

2019-12 (po) (en;fr;de)
Lesnoobdelovalni stroji - Varnost - 7. del: Poravnalni, debelinski in kombinirani skobeljni stroji (ISO 19085-7:2019)
Woodworking machines - Safety - Part 7: Surface planing, thickness planing, combined surface/thickness planing machines (ISO 19085-7:2019)
Osnova: EN ISO 19085-7:2019
ICS: 25.080.25, 79.120.10

This document deals with all significant hazards, hazardous situation and events as listed in Clause 4 relevant
to stationary and displaceable
- surface planning machines,
- thickness planing machines,
- combined surface/thickness planing machines
with an integrated feed in thicknessing mode, (with or without demountable power feed unit in planing mode) and with manual loading and unloading of the work-piece.

SIST/TC VZK Vodenje in zagotavljanje kakovosti

SIST ISO 21001:2019
2019-12 (po) (en) 73 str. (L)
Izobraževalne organizacije - Sistemi vodenja za izobraževalne organizacije - Zahteve z napotki za uporabo
Educational organizations - Management systems for educational organizations - Requirements with guidance for use
Osnova: ISO 21001:2018
ICS: 03.100.70, 03.180

This document specifies requirements for a management system for educational organizations (EOMS) when such an organization:
a) needs to demonstrate its ability to support the acquisition and development of competence through teaching, learning or research;
b) aims to enhance satisfaction of learners, other beneficiaries and staff through the effective application of its EOMS, including processes for improvement of the system and assurance of conformity to the requirements of learners and other beneficiaries. All requirements of this document are generic and intended to be applicable to any organization that uses a curriculum to support the development of competence through teaching, learning or research, regardless of the type, size or method of delivery. This document can be applied to educational organizations within larger organizations whose core business is not education, such as professional training departments. This document does not apply to organizations that only produce or manufacture educational products.

SIST/TC ŽEN Železniške električne naprave

SIST EN 50121-3-2:2017/A1:2019
2019-12 (po) (en) 3 str. (A)
Železniške naprave - Elektromagnetna združljivost - 3-2. del: Vozna sredstva - Naprave - Dopolnilo A1
Railway applications - Electromagnetic compatibility - Part 3-2: Rolling stock - Apparatus
Osnova: EN 50121-3-2:2016/A1:2019
ICS: 45.060.01, 33.100.01

Dopolnilo A1:2019 je dodatek k standardu SIST EN 50121-3-2:2017.
Ta evropski standard se uporablja za vidike sevanja in odpornosti elektromagnetne združljivosti za električne in elektronske naprave, namenjene za uporabo v železniških vozilih. Standard EN 50121-3-2 se uporablja za integracijo naprav v voznih sredstvih.
Obravnavan frekvenčni razpon je od DC do 400 GHz. Za frekvence, za katere ni določenih zahtev, ni treba opraviti meritev.
Uporaba preskusov je odvisna od določenih naprav, njihovih konfiguracij, vrat, tehnologije in obratovalnih pogojev.
Ta standard upošteva notranje okolje železniškega vozila in zunanje okolje železnice ter motnje v napravah zaradi opreme, kot so ročni radijski oddajniki.
Če so vrata namenjena oddajanju ali sprejemanju za radijsko komunikacijo (namenski radiatorji, npr. sistemi transponderjev), se zahteva glede sevanja v tem standardu ne uporablja za namensko oddajanje radijskega oddajnika, kot je opredeljeno v ITU.
Omejitve odpornosti ne veljajo za pasove izključenosti, kakor je opredeljeno v ustreznem standardu glede elektromagnetne združljivosti za radijsko opremo.
Ta standard se ne uporablja za prehodno sevanje pri zagonu ali zaustavitvi naprave.
Cilj tega standarda je opredeliti mejne vrednosti in preskusne metode za zahteve glede elektromagnetnega sevanja in preskusa odpornosti v zvezi z prevodnimi in sevanimi motnjami.
Te mejne vrednosti in preskusi predstavljajo osnovne zahteve elektromagnetne združljivosti.
Zahteve glede sevanja so izbrane tako, da zagotavljajo, da motnje, ki jih proizvedejo naprave pri običajnem delovanju v železniških vozilih, ne presežejo ravni, ki bi lahko drugim napravam preprečila delovanje, za katerega so namenjene. Mejne vrednosti sevanja, podane v tem standardu, imajo prednost pred zahtevami glede sevanja posameznih naprav v voznem sredstvu, ki so podane v drugih standardih.
Prav tako so zahteve glede odpornosti izbrane tako, da zagotavljajo ustrezno raven odpornosti naprav v voznih sredstvih.
Vendar stopnje ne zajemajo vseh primerov, ki se lahko z zelo majhno verjetnostjo zgodijo na kateri koli lokaciji. Določiti je treba posebne zahteve, ki odstopajo od tega standarda.
Preskusne zahteve so določene za vsaka obravnavana vrata.
Te posebne določbe je treba uporabljati v povezavi s splošnimi določbami standarda EN 50121-1.

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

SIST EN 60317-0-1:2014/A1:2019
2019-12 (po) (en) 6 str. (B)
Specifikacije za posebne vrste navijalnih žic - 0-1. del: Splošne zahteve - Prevlečena okrogla bakrena žica - Dopolnilo A1 (IEC 60317-0-1:2013/A1:2019)
Specifications for particular types of winding wires - Part 0-1: General requirements - Enamelled round copper wire (IEC 60317-0-1:2013/A1:2019)
Osnova: EN 60317-0-1:2014/A1:2019
ICS: 77.150.30, 29.060.10

Dopolnilo A1:2019 je dodatek k standardu SIST EN 60317-0-1:2014.
EN-IEC 60317 specifies general requirements of enamelled round copper winding wires with or without bonding layer. The range of nominal conductor diameters is given in the relevant specification sheet.

SIST EN 60317-0-3:2008/A2:2019
2019-12 (po) (en) 6 str. (B)
Specifikacije za posebne vrste navijalnih žic - 0-3. del: Splošne zahteve - Emajliran okrogel aluminijev vodnik - Dopolnilo A2 (IEC 60317-0-3:2008/A2:2019)
Specifications for particular types of winding wires - Part 0-3: General requirements - Enamelled round aluminium wire (IEC 60317-0-3:2008/A2:2019)
Osnova: EN 60317-0-3:2008/A2:2019
ICS: 77.150.10, 29.060.10

Dopolnilo A2:2019 je dodatek k standard SIST EN 60317-0-3:2008.
This part of IEC 60317 specifies the general requirements of enamelled round aluminium winding wires with or without a bonding layer. The range of nominal conductor diameters is given in the relevant specification sheet. When reference is made to a winding wire according to a standard of the IEC 60317 series mentioned under Clause 2, the following information is given in the description: - reference to IEC specification; - nominal conductor diameter, in millimetres; - grade.

SIST EN 60317-20:2014/A1:2019
2019-12 (po) (en) 4 str. (A)
Specifikacije za posebne vrste navijalnih žic - 20. del: S poliuretanom emajlirana okrogla bakrena žica, za spajkanje, razred 155 - Dopolnilo A1 (IEC 60317-20:2013/A1:2019)
Specifications for particular types of winding wires - Part 20: Solderable polyurethane enamelled round copper wire, class 155 (IEC 60317-20:2013/A1:2019)
Osnova: EN 60317-20:2014/A1:2019
ICS: 77.150.30, 29.060.10

Dopolnilo A1:2019 je dodatek k standardu SIST EN 60317-20:2014.
This part of IEC 60317 specifies the requirements of solderable enamelled round copper winding wire of class 155 with a sole coating based on polyurethane resin, which may be modified providing it retains the chemical identity of the original resin and meets all specified wire requirements. NOTE A modified resin is a resin that has undergone a chemical change, or contains one or more additives to enhance certain performance or application characteristics. The range of nominal conductor diameters covered by this standard is: – Grade 1: 0,018 mm up to and including 0,800 mm; – Grade 2: 0,020 mm up to and including 0,800 mm. The nominal conductor diameters are specified in Clause 4 of IEC 60317-0-1:2013.

SIST EN 60317-21:2014/A1:2019
2019-12 (po) (en) 4 str. (A)
Specifikacije za posebne vrste navijalnih žic - 21. del: S poliuretanom emajlirana okrogla bakrena žica, prevlečena s poliamidom, za spajkanje, razred 155 - Dopolnilo A1
Specifications for particular types of winding wires - Part 21: Solderable polyurethane enamelled round copper wire overcoated with polyamide, class 155
Osnova: EN 60317-21:2014/A1:2019
ICS: 77.150.30, 29.060.10

Dopolnilo A1:2019 je dodatek k standardu SIST EN 60335-2-7:2010.
This part of IEC 60317 specifies the requirements of solderable enamelled round copper winding wire of class 155 with a dual coating. The underlying coating is based on polyurethane resin, which may be modified providing it retains the chemical identity of the original resin and meets all specified wire requirements. The superimposed coating is based on polyamide resin. NOTE A modified resin is a resin that has undergone a chemical change, or contains one or more additives to enhance certain performance or application characteristics. The range of nominal conductor diameters covered by this standard is:
– Grade 1: 0,050 mm up to and including 1,600 mm;
– Grade 2: 0,050 mm up to and including 1,600 mm.
The nominal conductor diameters are specified in Clause 4 of IEC 60317-0-1:2013.

SIST EN 60317-23:2014/A1:2019
2019-12 (po) (en) 4 str. (A)
Specifikacije za posebne vrste navijalnih žic - 23. del: Spajkljiva okrogla bakrena žica, prevlečena s poliesterimidom, razred 180 - Dopolnilo A1 (IEC 60317-23:2013/A1:2019)
Specifications for particular types of winding wires - Part 23: Solderable polyesterimide enamelled round copper wire, class 180 (IEC 60317-23:2013/A1:2019)
Osnova: EN 60317-23:2014/A1:2019
ICS: 77.150.30, 29.060.10

Dopolnilo A1:2019 je dodatek k standardu SIST EN 60317-23:2014.
This part of IEC 60317 specifies the requirements of solderable enamelled round copper winding wire of class 180 with a sole coating based on polyesterimide resin, which may be modified providing it retains the chemical identity of the original resin and meets all specified wire requirements. NOTE A modified resin is a resin that has undergone a chemical change, or contains one or more additives to enhance certain performance or application characteristics. The range of nominal conductor diameters covered by this standard is:
– Grade 1: 0,020 mm up to and including 1,600 mm;
– Grade 2: 0,020 mm up to and including 1,600 mm.
The nominal conductor diameters are specified in Clause 4 of IEC 60317-0-1:2013.

SIST EN 60851-3:2009/A2:2019
2019-12 (po) (en) 6 str. (B)
Navijalne žice - Preskusne metode - 3. del: Mehanske lastnosti - Dopolnilo A2 (IEC 60851-3:2009/A2:2019)
Winding wires - Test methods - Part 3: Mechanical properties (IEC 60851-3:2009/A2:2019)
Osnova: EN 60851-3:2009/A2:2019
ICS: 29.060.10

Dopolnilo A2:2019 je dodatek k standardu SIST EN 60851-3:2009.
This part of IEC 60851 specifies the following methods of test for winding wires:
– Test 6: Elongation;
– Test 7: Springiness;
– Test 8: Flexibility and adherence;
– Test 11: Resistance to abrasion;
– Test 18: Heat bonding.
For definitions, general notes on methods of test and the complete series of methods of test for winding wires, see IEC 60851-1.

SIST EN IEC 60068-3-3:2019 SIST EN 60068-3-3:2001
2019-12 (po) (en) 50 str. (I)
Okoljsko preskušanje - 3-3. del: Podporna dokumentacija in navodilo - Seizmične preskusne metode za opremo (IEC 60068-3-3:2019)
Environmental testing - Part 3-3: Supporting documentation and guidance - Seismic test methods for equipment (IEC 60068-3-3:2019)
Osnova: EN IEC 60068-3-3:2019
ICS: 19.040

This document applies primarily to electro-technical equipment but its application can be extended to other equipment and to components. In addition, if some type of analysis is always performed when making a seismic qualification, for example for the choice of the representative sample to be tested or for the extension of the seismic qualification from the tested specimen to similar specimens, the verification of the performance of an equipment by analysis or by a combination of testing and analysis can be acceptable but is outside the scope of this document, which is restricted to verification based entirely upon data from dynamic testing. This document deals solely with the seismic testing of a full-size equipment

which can be tested on a vibration table. The seismic testing of an equipment is intended to demonstrate its ability to perform its required function during and/or after the time it is subjected to the stresses and displacements resulting from an earthquake. The object of this document is to present a range of methods of testing which, when specified by the relevant specification, can be applied to demonstrate the performance of equipment for which seismic testing is required with the main aim of achieving qualification.

SIST EN IEC 60317-80:2019
2019-12 (po) (en) 13 str. (D)
Specifikacije za posebne vrste navijalnih žic - 80. del: S polivinil acetalom emajliran bakren vodnik s pravokotnim prerezom, razred 120, s spajalno plastjo (IEC 60317-80:2019)
Specifications for particular types of winding wires - Part 80: Polyvinyl acetal enamelled rectangular copper wire, class 120, with a bonding layer (IEC 60317-80:2019)
Osnova: EN IEC 60317-80:2019
ICS: 77.150.30, 29.060.10

This document specifies the requirements of enamelled rectangular copper winding wire of class 120 with a dual coating. The underlying coating is based on polyvinyl acetal resin, which can be modified providing it retains the chemical identity of the original resin and meets all specified wire requirements. The second coating is a bonding layer based on a thermoplastic or thermosetting resin. The range of nominal conductor dimensions covered by this document is: - width: min. 2,00 mm max. 16,00 mm; - thickness: min. 0,80 mm max. 5,60 mm. Wires of grade 1 and grade 2 are included in this specification and apply to the complete range of conductors. The specified combinations of nominal width and thickness as well as the specified ratio width/thickness are given in IEC 60317-0-2:2019.

SIST EN IEC 62138:2019 SIST EN 62138:2009
2019-12 (po) (en) 55 str. (J)
Nuklearne elektrarne - Instrumenti in nadzorni sistemi za zagotavljanje varnosti - Značilnosti programske opreme računalniških sistemov, ki izvajajo funkcije kategorij B ali C (IEC 62138:2018)
Nuclear power plants - Instrumentation and control systems important to safety - Software aspects for computer-based systems performing category B or C functions (IEC 62138:2018)
Osnova: EN IEC 62138:2019
ICS: 27.120.20

This document specifies requirements for the software of computer-based instrumentation and control (I&C) systems performing functions of safety category B or C as defined by IEC 61226. It complements IEC 60880 which provides requirements for the software of computer-based I&C systems performing functions of safety category A. It is consistent with, and complementary to, IEC 61513. Activities that are mainly system level activities (for example, integration, validation and installation) are not addressed exhaustively by this document: requirements that are not specific to software are deferred to IEC 61513. The link between functions categories and system classes is given in IEC 61513. Since a given safety-classified I&C system may perform functions of different safety categories and even non safety-classified functions, the requirements of this document are attached to the safety class of the I&C system (class 2 or class 3). This document is not intended to be used as a general-purpose software engineering guide. It applies to the software of I&C systems of safety classes 2 or 3 for new nuclear power plants as well as to I&C upgrading or back-fitting of existing plants. For existing plants, only a subset of requirements is applicable and this subset has to be identified at the beginning of any project. The purpose of the guidance provided by this document is to reduce, as far as possible, the potential for latent software faults to cause system failures, either due to single software
failures or multiple software failures (i.e. Common Cause Failures due to software). This document does not explicitly address how to protect software against those threats arising from malicious attacks, i.e. cybersecurity, for computer-based systems. IEC 62645 provides requirements for security programmes for computer-based systems.

SIST EN IEC 62327:2019 SIST EN 62327:2011

2019-12 (po) (en) 37 str. (H)

Instrumenti za zaščito pred sevanjem - Ročni instrumenti za odkrivanje in prepoznavanje radionuklidov in za prikaz stopnje ekvivalentne doze v prostoru zaradi fotonskega sevanja (IEC 62327:2017)

Radiation protection instrumentation - Hand-held instruments for the detection and identification of radionuclides and for the estimation of ambient dose equivalent rate from photon radiation (IEC 62327:2017)

Osnova: EN IEC 62327:2019

ICS: 13.280

This standard applies to hand-held instruments used to detect and identify radionuclides and radioactive material, to estimate ambient dose equivalent rate from photon radiation, and optionally, to detect neutron radiation. They are commonly known as radionuclide identification devices or RIDs. This standard does not cover laboratory type, high-resolution photon spectrometers, or instruments covered by IEC 60846-1 (Portable workplace and environmental meters and monitors), IEC 60846-2 (photon dose (rate) meters) or IEC 61005 (neutron dose equivalent (rate) meters).

SIST EN IEC 62401:2019

2019-12 (po) (en) 28 str. (G)

Instrumenti za zaščito pred sevanjem - Alarmni osebni detektorji sevanja za odkrivanje nedovoljenega prometa z radioaktivnimi snovmi (IEC 62401:2017)

Radiation protection instrumentation - Alarming personal radiation devices (PRDs) for the detection of illicit trafficking of radioactive material (IEC 62401:2017)

Osnova: EN IEC 62401:2019

ICS: 13.320, 13.280

This standard applies to alarming radiation detection instruments that are pocket-sized, carried on the body and used to detect and indicate the presence and general magnitude of gamma radiation fields. Neutron detection may also be provided.

Personal Radiation Devices (PRDs) alert the user to the presence of a source of radiation that is distinctly above the measured average local background radiation level. They are not intended to provide a measurement of the ambient or personal dose equivalent rate.

This document does not apply to the ambient or personal dose equivalent rate meters which are covered in IEC 60846-1 or IEC 61526, respectively. If the manufacturer states that the PRD can be used for radiation protection purposes, compliance with IEC 60846-1 or IEC 61526 will be needed.

SIST EN IEC 62668-2:2019

2019-12 (po) (en) 59 str. (J)

Upravljanje procesov v avioniki - Preprečevanje ponarejanja - 2. del: Ravnanje z elektronskimi komponentami iz neodobrenih virov (IEC 62668-2:2019)

Process management for avionics - Counterfeit prevention - Part 2: Managing electronic components from non-franchised sources (IEC 62668-2:2019)

Osnova: EN IEC 62668-2:2019

ICS: 31.020, 49.020

EN-IEC 62668-2, defines requirements for avoiding the use of counterfeit, recycled and fraudulent components when these components are not purchased from the original component manufacturer (OCM) or are purchased from outside of franchised distributor networks for use in the aerospace, defence and high performance (ADHP) industries. This practice is used, as derogation, only when there are no reasonable or practical alternatives. Although developed for the ADHP industry, this document can be used by other highperformance and high-reliability industries, at their discretion.

SIST EN 60062:2016/A1:2019
2019-12 (po) (en) 7 str. (B)
Označevalne kode za upore in kondenzatorje - Dopolnilo A1 (IEC 60062:2016/A1:2019)
Marking codes for resistors and capacitors (IEC 60062:2016/A1:2019)
Osnova: EN 60062:2016/A1:2019
ICS: 31.060.01, 31.040.01

Dopolnilo A1:2019 je dodatek k standardu SIST EN 60062:2016.
Določa označevalne kode za upore in kondenzatorje ter indekse za dielektrične materiale in elektrode plastičnih filmskih in papirnih kondenzatorjev.

SIST EN IEC 60384-11:2019 SIST EN 60384-11:2008
2019-12 (po) (en) 35 str. (H)
Fiksni kondenzatorji za elektronsko opremo - 11. del: Področna specifikacija - Fiksni kondenzatorji za enosmerni tok s polietilen tereftalatnim plastnim dielektrikom in kovinsko folijo (IEC 60384-11:2019)
Fixed capacitors for use in electronic equipment - Part 11: Sectional specification - Fixed polyethylene-terephthalate film dielectric metal foil DC capacitors (IEC 60384-11:2019)
Osnova: EN IEC 60384-11:2019
ICS: 31.060.10

EN-IEC 60384-11 is applicable to fixed direct current capacitors, for rated voltages not exceeding 6 300 V, using as dielectric a polyethylene-terephthalate film and electrodes of thin metal foils. For capacitors with rated voltages exceeding 1 000 V, additional tests and requirements may be specified in the detail specification. The capacitors covered by this document are intended for use in electronic equipment. Capacitors for electromagnetic interference suppression are not included, but are covered by IEC 60384-14. The object of this document is to prescribe preferred ratings and characteristics and to select from IEC 60384-1:2016 the appropriate quality assessment procedures, tests and measuring methods and to give general performance requirements for this type of capacitor. Test severities and requirements prescribed in detail specifications referring to this sectional specification are of an equal or higher performance level. Lower performance levels are not permitted.

SIST EN IEC 60539-2:2019 SIST EN 60539-2:2004
SIST EN 60539-2:2004/A1:2010
2019-12 (po) (en) 24 str. (F)
Neposredno ogrevani termistorji z negativnim temperaturnim koeficientom - 2. del: Področna specifikacija - Termistorji z negativnim temperaturnim koeficientom za površinsko montažo (IEC 60539-2:2019)
Directly heated negative temperature coefficient thermistors - Part 2: Sectional specification - Surface mount negative temperature coefficient thermistors (IEC 60539-2:2019)
Osnova: EN IEC 60539-2:2019
ICS: 31.040.30

EN-IEC 60539-2 is applicable to surface mount directly heated negative temperature coefficient thermistors, typically made from transition metal oxide materials with semiconducting properties. These thermistors have metallized connecting pads or soldering strips and are intended to be mounted directly on to substrates for hybrid circuits or on to printed boards.

SS SPL Strokovni svet SIST za splošno področje

SIST EN 13071-3:2019 SIST EN 13071-3:2011
2019-12 (po) (en;fr;de) 11 str. (C)
Nepremični zabojniki za odpadke do 5000 l, ki se dvigujejo zgoraj in praznijo spodaj - 3. del: Priporočeni sistemi za dvigovanje
Stationary waste containers up to 5 000 l, top lifted and bottom emptied - Part 3: Recommended lifting connections
Osnova: EN 13071-3:2019
ICS: 13.030.40

This European Standard specifies the requirements for the container lifting connections to be used during the loading and unloading operations of the containers top lifted and bottom emptied.

SIST EN 14012:2019 SIST EN 14012:2009
2019-12 (po) (en;fr;de) 57 str. (J)
Poštne storitve - Kakovost storitve - Načela ravnanja s pritožbami
Postal services - Quality of service - Complaints handling principles
Osnova: EN 14012:2019
ICS: 03.240

This European Standard specifies complaints handling principles related to domestic and international postal services. It applies to both national and cross border services. The standard also gives guidance for compensation and redress procedures.
This European Standard may be applied to all types of postal service both Universal service and non-universal service and by all types of postal organizations. It defines various types of complaints and establishes a methodology for handling complaints in order to improve the service given to postal users. It also gives guidance for complaints handling processes to be set up by postal service providers in order to improve quality of service.
This European Standard provides guidelines beyond the requirements given in ISO 10002 and ISO 9001 in order to consider both the effectiveness and efficiency of a complaint handling process, and consequently the potential for improvement of the performance of an organization. When compared to ISO 9001, the objectives of customer satisfaction and product quality are extended to include the satisfaction of interested parties and the performance of the organization.
This European Standard is applicable to the processes of the organization and consequently the quality management principles on which it is based can be deployed throughout the organization.
It should be noted that the number of complaints received might not be related to the level of service given. A large number of complaints may on the contrary reflect the effectiveness of the postal operator's complaint handling process.

SIST EN 17121:2019
2019-12 (po) (en;fr;de) 28 str. (G)
Ohranjanje kulturne dediščine - Zgodovinske lesene konstrukcije - Smernice za ocenjevanje nosilnih lesenih konstrukcij na kraju samem
Conservation of cultural heritage - Historic timber structures - Guidelines for the on-site assessment of load-bearing timber structures
Osnova: EN 17121:2019
ICS: 97.195, 91.080.20

This standard gives guidelines on the criteria to be used for the on-site assessment of load-bearing timber structures in heritage buildings. It is intended for all those concerned with the conservation of heritage buildings which contain wooden elements, from the building owners or authorities who are responsible for them to the professionals employed. It should also help decision-making regarding the need for immediate measures. Its aim is to guarantee that condition survey and assessment provide the necessary

data for historical analysis, structural safety assessment and planning of intervention works. This document is applicable to any kind of timber member and to any kind of historic timber structures. It is not applicable to timber members made of engineered wood based panels and glued laminated timber. This document provides a comprehensive procedure for the on-site assessment. With a practical and technical evaluation of the damage found and based on the responsibility of the involved professionals, a sufficient assessment can also be made when not all the steps are followed. In each different country, the document is expected to be applied in accordance with National legislation and regulations.

SIST EN 2390:2019
2019-12 (po) (en;fr;de) 9 str. (C)
Aeronavtika - Aluminijeva zlitina 6082-T6 - Cevi za konstrukcije 0,6 mm ≤ a ≤ 12,5 mm
Aerospace series - Aluminium alloy 6082-T6 - Tubes for structures 0,6 mm ≤ a ≤ 12,5 mm
Osnova: EN 2390:2019
ICS: 49.025.20

This document specifies the requirements relating to: Aluminium alloy 6082- T6 Tubes for structures 0,6 mm • a • 12,5 mm

SIST EN 2816:2019
2019-12 (po) (en;fr;de) 9 str. (C)
Aeronavtika - Jeklo FE-PM1802 (X5CrNiCu15-5) - Pretaljeno s taljivo elektrodo - Topilno žarjena in izločevalno utrjena - Izkovki - a ali D ≤ 200 mm - Rm ≥ 965 MPa
Aerospace series - Steel FE-PM1802 (X5CrNiCu15-5) - Consumable electrode remelted - Solution treated and precipitation treated - Forgings - a or D ≤ 200 mm - Rm ≥ 965 MPa
Osnova: EN 2816:2019
ICS: 49.025.10

This document specifies the requirements relating to: Steel FE-PM1802 (X5CrNiCu15-5) Consumable electrode remelted Solution treated and precipitation treated Forgings a or D • 200 mm Rm • 965 MPa

SIST EN 3510:2019
2019-12 (po) (en;fr;de) 9 str. (C)
Aeronavtika - Toplotno odporna zlitina FE-PA2602 (X4NiCrTiMoV26-15) - Topilno žarjena in izločevalno utrjena - Palice in profili - De ≤ 100 mm
Aerospace series - Heat resisting alloy FE-PA2602 (X4NiCrTiMoV26-15) - Solution treated and precipitation treated - Bar and section - De ≤ 100 mm
Osnova: EN 3510:2019
ICS: 49.025.05

This document specifies the requirements relating to:
Heat resisting alloy FE-PA2602 (X4NiCrTiMoV26-15)
Solution treated and precipitation treated
Bar and section
De • 100 mm
for aerospace applications.

SIST EN 3685:2019 SIST EN 3685:2008

2019-12 (po) (en;fr;de) 29 str. (G)

Aeronavtika - Sorniki iz toplotnoodpornega jekla FE-PA2601 (A286) - Klasifikacija: 1100 MPa/650 °C - Tehnična specifikacija

Aerospace series - Bolts in heat resisting steel FE-PA2601 (A286) - Classification: 1 100 MPa/650 °C - Technical specification

Osnova: EN 3685:2019

ICS: 49.025.10, 21.060.10, 49.030.20

This document specifies the technical, qualification and quality assurance requirements for bolts in material FE-PA2601 (A286) of tensile strength class 1 100 MPa at room temperature, maximum test temperature of material 650 °C.

Primarily for aerospace applications it is applicable to such bolts when referenced on the product standard or definition document.

SIST EN 3745-404:2019 SIST EN 3745-404:2006

2019-12 (po) (en;fr;de) 5 str. (B)

Aeronavtika - Optična vlakna in kabli za uporabo v zračnih plovilih - Preskusne metode - 404. del: Toplotni udar

Aerospace series - Fibres and cables, optical, aircraft use - Test methods - Part 404: Thermal shock

Osnova: EN 3745-404:2019

ICS: 33.180.10, 49.060

This document specifies a method to determine the effects of thermal shock on an optical fibre or cable.

SIST EN 378-4:2017+A1:2019 SIST EN 378-4:2017
SIST EN 378-4:2017/kFprA1:2019

2019-12 (po) (en;fr;de) 29 str. (G)

Hladilni sistemi in toplotne črpalke - Varnostnotehnične in okoljevarstvene zahteve - 4. del: Delovanje, vzdrževanje, popravilo in recikliranje

Refrigerating systems and heat pumps - Safety and environmental requirements - Part 4: Operation, maintenance, repair and recovery

Osnova: EN 378-4:2016+A1:2019

ICS: 27.200, 27.080

This European Standard specifies the requirements for the safety of persons and property, provides guidance for the protection of the environment and establishes procedures for the operation, maintenance and repair of refrigerating systems and the recovery of refrigerants.

The term "refrigerating system" used in this European Standard includes heat pumps.

This standard applies:

a) to refrigerating systems, stationary or mobile, of all sizes including heat pumps;
b) to secondary cooling or heating systems;
c) to the location of the refrigerating systems;
d) to parts replaced and components added after adoption of this standard if they are not identical in function and capacity.

This standard does not cover "motor vehicle air conditioners" constructed according to product standards such as ISO 13043.

Systems using refrigerants other than those listed in FprEN 378-1:2016, Annex E are not covered by this standard unless they have been assigned to a safety class according to ISO 817.

This standard does not apply to goods in storage.

This standard is not applicable to refrigeration systems and heat pumps which were manufactured before the date of its publication as a European Standard except for extensions and modifications to the system which were implemented after publication.

This standard is applicable to new refrigerating systems, extensions or modifications of already existing systems, and for existing stationary systems, being transferred to and operated on another site.

This standard also applies in the case of the conversion of a system to another refrigerant type, in which case conformity to the relevant clauses of parts 1 to 4 of the standard shall be assessed.
This Part 4 of the European Standard specifies requirements for safety and environmental aspects in relation to operation, maintenance, and repair of refrigerating systems and the recovery, reuse and disposal of all types of refrigerant, refrigerant oil, heat-transfer fluid, refrigerating system and part thereof. These requirements are intended to minimise risks of injury to persons and damage to property and the environment resulting from improper handling of the refrigerants or from contaminants leading to system breakdown and resultant emission of the refrigerant.
Subclauses 4, 5.1.1 to 5.1.4, 5.2, 5.3.1, 5.3.3 and 6.6 of this European Standard are not applicable to unitary systems having a power cord, being factory sealed, and in conformance with EN 60335 series.

SIST EN 3847:2019
2019-12 (po) (en;fr;de) 5 str. (B)
Aeronavtika - Barve in laki - Določevanje vrednosti sedimentacije
Aerospace series - Paints and varnishes - Determination of sedimentation rating
Osnova: EN 3847:2019
ICS: 87.040, 49.040

This standard specifies the method of test for evaluating the tendency of paints and varnishes towards sedimentation of their pigments. The procedure describes a method where the pigmented paint is allowed to settle at a specified temperature and for a specified time. The procedure is not applicable to products which possess a pot life inferior to the specified measuring time.

SIST EN 4476:2019 SIST EN 4476:2011
2019-12 (po) (en;fr;de) 17 str. (E)
Aeronavtika - Barve in laki - Vmesni premaz, ki se suši pri sobni temperaturi
Aerospace series - Paints and varnishes - Cold curing intermediate coat
Osnova: EN 4476:2019
ICS: 87.040, 49.040

This standard specifies the requirements for an intermediate coat to be applied over a primer for aerospace applications and with a topcoat for aerospace applications on top. The properties specified in this document are obtained on defined aluminium alloy test pieces prepared in accordance with EN 3837 and EN ISO 3270 and painted with primer listed in Table 1. Topcoat listed in Table 1 is to be applied on intermediate coat to this document. The ability of the material to be used for a specific application (e.g. alternative substrate, alternative primer, specific drying conditions, etc.) should be determined by supplementary tests to confirm that the requirements of this document are met.

SIST EN 4604-003:2019 SIST EN 4604-003:2009
2019-12 (po) (en;fr;de) 11 str. (C)
Aeronavtika - Kabli, električni, za prenos signala - 003. del: Kabli, koaksialni, 50 ohm, 200 °C, tip WZ - Standard za proizvod
Aerospace series - Cable, electrical, for signal transmission - Part 003: Cable, coaxial, 50 Ohm, 200 °C, type WZ - Product standard
Osnova: EN 4604-003:2019
ICS: 29.060.20, 49.060

This standard specifies the characteristics of a UV laser printable coaxial cable, 50 ?, type WZ, for use in aircraft electrical systems at operating temperatures between ? 65 °C and 200 °C and especially for high frequency up to 3 GHz.

SIST EN 4604-006:2019 SIST EN 4604-006:2009

2019-12 (po) (en;fr;de) 11 str. (C)

Aeronavtika - Kabli, električni, za prenos signala - 006. del: Kabli, koaksialni, 50 ohm, 200 °C, tip WM - Standard za proizvod

Aerospace series - Cable, electrical, for signal transmission - Part 006: Cable, coaxial, 50 ohms, 200 °C, type WM - Product standard

Osnova: EN 4604-006:2019

ICS: 29.060.20, 49.060

This EN specifies the required characteristics of a coaxial cable, 50 ?, type WM, for use in aircraft electrical systems at operating temper. between - 55 °C and 200 °C and specially for high frequency up to 5 GHz.

SIST EN 4708-107:2019

2019-12 (po) (en;fr;de) 12 str. (C)

Aeronavtika - Toplotno skrčljiva cev za utrjevanje, izolacijo in identifikacijo - 107. del: Politetrafluoretilen (PTFE) - Delovna temperatura od –65 °C do 260 °C - Standard za proizvod

Aerospace series - Sleeving, heat-shrinkable, for binding, insulation and identification - Part 107: Polytetrafluoroethylene (PTFE) - Operating temperatures - 65 °C to 260 °C - Product standard

Osnova: EN 4708-107:2019

ICS: 49.025.40, 49.060

This standard specifies the required characteristics for a heat-shrinkable, polytetrafluoroethylene sleeving for use in aircraft electrical systems at operating temperatures between ? 65 °C and 260 °C. This sleeving is basically translucent. It is semi-rigid, and suitable for use where resistance to chemicals and high temperature performance are required. It is flame resistant and available in low and high shrink ratios. Type A Low Shrink Ratio; Type B High Shrink Ratio .

SIST EN 4708-108:2019

2019-12 (po) (en;fr;de) 11 str. (C)

Aeronavtika - Toplotno skrčljiva cev za utrjevanje, izolacijo in identifikacijo - 108. del: Z izboljšanimi protipožarnimi lastnostmi - Delovna temperatura od –65 °C do 150 °C - Standard za proizvod

Aerospace series - Sleeving, heat-shrinkable, for binding, insulation and identification - Part 108: Limited fire hazard sleeving - Operating temperatures - 65 °C to 150 °C - Product standard

Osnova: EN 4708-108:2019

ICS: 49.025.40, 49.060

This standard specifies the required characteristics for four types of heat-shrinkable limited fire hazard sleevings for use in aircraft electrical systems at operating temperatures between - 65 °C and 150 °C. This sleeving is flexible, flame retarded and emits minimum smoke, gases and corrosive by-products when exposed to fire. It is available with various wall thicknesses and also in a higher shrink ratio according to the application and degree of mechanical protection required. It is suitable for use (e.g. as cable protection) in areas where smoke, gases or corrosive by-products would constitute a particular hazard. Type A: Medium wall, shrink ratio 2:1 and is normally supplied with internal diameters up to 30 mm. The standard colour is black. Sizes or colours other than those specifically listed in this document may be available. These items shall be considered to comply with this document if they comply with the property requirements listed in Table 2 except for dimensions and mass.

SIST EN 474-1:2007+A6:2019 SIST EN 474-1:2007+A5:2018
SIST EN 474-1:2007+A5:2018/kFprA6:2019

2019-12 (po) (en;fr;de) 67 str. (K)

Stroji za zemeljska dela - Varnost - 1. del: Splošne zahteve

Earth-moving machinery - Safety - Part 1: General requirements

Osnova: EN 474-1:2006+A6:2019

ICS: 53.100

This European Standard specifies the general safety requirements for earth-moving machinery) described in EN ISO 6165:2006, except rollers and horizontal directional drill.
NOTE 1 Rollers are covered by EN 500.
NOTE 2 Horizontal directional drills are covered by EN 791.
This European Standard also applies to derivative machinery (see 3.1.2) designed primarily for use with equipment to loosen, pick-up, move, transport, distribute and grade earth and rock.
This European Standard gives the common safety requirements for earth-moving machinery families and is intended to be used in conjunction with one of the EN 474 parts 2 to 12. These machine specific parts EN 474-2 to -12 do not repeat the requirements from EN 474-1:2006+A1:2009, but add or replace the requirements for the family in question.
NOTE 3 The requirements specified in this part of the standard are common to two or more families of earth- moving machinery.
This part gives specific requirements for demolition machinery.
Specific requirements in EN 474 parts 2 to 12 take precedence over the respective requirements of EN 474-1:2006+A1:2009.
For multipurpose machinery the parts of the standard that cover the specific functions and applications have to be used e.g. a compact loader also used as a trencher shall use the relevant requirements of EN 474 parts 1, 3 and 10.
The standard also covers general requirements for attachments intended to be used with earth moving machine families covered in the scope.
Except for part 12 this European Standard does not deal with the electrical hazards related to the main circuits and drives of machinery when the principal source of energy is electrical.
This European Standard does not deal with towing of trailers.
This European Standard deals with all significant hazards, hazardous situations and events relevant to earth-moving machinery, when used as intended and under conditions of misuse which are reasonably foreseeable by the manufacturer (see Clause 4). This European Standard specifies the appropriate technical measures to eliminate or reduce risks arising from the significant hazards, hazardous situations and events during commissioning, operation and maintenance of earth-moving machinery.
This European Standard is not applicable to earth moving machines, which are manufactured before the date of publication of this European Standard by CEN.

SIST EN 4827:2019 SIST EN 4827:2017
2019-12 (po) (en;fr;de) 22 str. (F)
Aeronavtika - Šestvalentni krom brez eloksacije aluminija in aluminijevih zlitin
Aerospace series - Hexavalent chromium free anodizing of aluminium and aluminium alloys
Osnova: EN 4827:2019
ICS: 49.025.99

This document defines the requirements for hexavalent chromium free anodizing of aluminium and aluminium alloys for corrosion protection, bonding and painting. Hard anodizing and plasma electrolytic anodizing (micro-arc oxidation) are not covered by this document. The purpose of this document is to give design, quality and manufacturing requirements. It does not give complete in-house process instructions; these are given in the processors detailed process instructions.

SIST EN ISO 10426-3:2019 SIST EN ISO 10426-3:2005
2019-12 (po) (en;fr;de) 13 str. (D)
Industrija za predelavo nafte in zemeljskega plina - Cementi in materiali za cementiranje vrtin - 3. del: Preskušanje sestave cementov za globokomorske vrtine (ISO 10426-3:2019)
Petroleum and natural gas industries - Cements and materials for well cementing - Part 3: Testing of deepwater well cement formulations (ISO 10426-3:2019)
Osnova: EN ISO 10426-3:2019
ICS: 75.180.10, 91.100.10

This document provides procedures for testing well cements and cement blends for use in the petroleum and natural gas industries in a deepwater environment, or areas with a low seafloor temperature, or areas

where low well temperatures exist. This document supplements API RP 10B-3, 2nd edition (2016), the requirements of which are applicable with the exceptions specified in this document. This document excludes the mitigation of shallow water flow in deepwater wells.

SIST EN ISO 11665-1:2019 SIST EN ISO 11665-1:2015
2019-12 (po) (en;fr;de) 43 str. (I)
Merjenje radioaktivnosti v okolju - Zrak: radon Rn-222 - 1. del: Radon in njegovi kratkoživi razpadni produkti: izvori in merilne metode (ISO 11665-1:2019)
Measurement of radioactivity in the environment - Air: radon-222 - Part 1: Origins of radon and its short-lived decay products and associated measurement methods (ISO 11665-1:2019)
Osnova: EN ISO 11665-1:2019
ICS: 13.040.99, 17.240

EN-ISO 11665-1 outlines guidance for measuring radon-222 activity concentration and the potential alpha energy concentration of its short-lived decay products in the air. The measurement methods fall into three categories: a) spot measurement methods; b) continuous measurement methods; c) integrated measurement methods. This document provides several methods commonly used for measuring radon-222 and its short-lived decay products in air. This document also provides guidance on the determination of the inherent uncertainty linked to the measurement methods described in its different parts.

SIST EN ISO 11665-11:2019
2019-12 (po) (en;fr;de) 34 str. (H)
Merjenje radioaktivnosti v okolju - Zrak: radon Rn-222 - 11. del: Preskusna metoda za vzorčenje plinov iz tal (ISO 11665-11:2016)
Measurement of radioactivity in the environment - Air: radon-222 - Part 11: Test method for soil gas with sampling at depth (ISO 11665-11:2016)
Osnova: EN ISO 11665-11:2019
ICS: 13.040.99, 17.240

ISO 11665-11:2016 describes radon-222 test methods for soil gas using passive and active in-situ sampling at depth comprised between surface and 2 m.
ISO 11665-11:2016 gives general requirements for the sampling techniques, either passive or active and grab or continuous, for in-situ radon-222 activity concentrations measurement in soil gas.
The radon-222 activity concentration in the soil can be measured by spot or continuous measurement methods (see ISO 11665-1). In case of spot measurement methods (ISO 11665-6), the soil gas sampling is active only. On the other hand, the continuous methods (ISO 11665-5) are typically associated with passive soil gas sampling.
The measurement methods are applicable to all types of soil and are determined according to the end use of the measurement results (phenomenological observation, definition or verification of mitigation techniques, etc.) taking into account the expected level of the radon-222 activity concentration.
These measurement methods are applicable to soil gas samples with radon activity concentrations greater than 100 Bq/m3.
NOTE This part of ISO 11665 is complementary with ISO 11665-7 for characterization of the radon soil potential.

SIST EN ISO 18647:2019
2019-12 (po) (en;fr;de) 123 str. (O)
Industrija za predelavo nafte in zemeljskega plina - Modularne vrtalne ploščadi za priobalne pritrjene ploščadi (ISO 18647:2017)
Petroleum and natural gas industries - Modular drilling rigs for offshore fixed platforms (ISO 18647:2017)
Osnova: EN ISO 18647:2019
ICS: 75.180.10

ISO 18647:2017 gives requirements for the design, fabrication, installation, commissioning and integrity management of modular drilling rigs on offshore fixed platforms.
The modular drilling rig includes some or all of the equipment as follows:
- drilling equipment including a derrick/mast and its controls that can be moved by skidding a drilling support structure;
- drilling support equipment which includes support facilities such as power supply/distribution system;
- mud and cement storage, mixing, monitoring and control equipment.
ISO 18647:2017 is applicable to the modular drilling equipment on offshore structures for the petroleum and natural gas industries, as follows:
- new equipment arranged in a modularized form;
- the equipment contained in several modules, each of which can be lifted and installed on to the platform, however, the equipment may be arranged within the modules as is convenient;
- the modules assembled together offshore for hook up and commissioning;
- intended for long term use on a new fixed offshore structure;
- Intended for temporary use on a number of different offshore platforms.
ISO 18647:2017 is not applicable to drilling equipment
- installed on mobile offshore units, and
- intended primarily for onshore use.
ISO 18647:2017 does not apply to those parts and functions of an offshore platform that are not directly related to drilling.

SIST EN ISO 19903:2019 SIST EN ISO 19903:2007
2019-12 (po) (en;fr;de) 127 str. (O)
Industrija za predelavo nafte in zemeljskega plina - Betonske konstrukcije naftnih ploščadi (ISO 19903:2019)
Petroleum and natural gas industries - Concrete offshore structures (ISO 19903:2019)
Osnova: EN ISO 19903:2019
ICS: 91.080.40, 75.180.10

This document specifies requirements and provides recommendations applicable to fixed, floating and grounded concrete offshore structures for the petroleum and natural gas industries and for structures supporting nationally-important power generation, transmission or distribution facility. This document specifically addresses - the design, construction, transportation and installation of new structures, including requirements for in-service inspection and possible removal of structures, - the assessment of structures in service, and - the assessment of structures for reuse at other locations. This document is intended to cover the engineering processes needed for the major engineering disciplines to establish a facility for offshore operation.

SIST EN ISO 20074:2019
2019-12 (po) (en;fr;de) 76 str. (L)
Industrija za predelavo nafte in zemeljskega plina - Cevovodni transportni sistemi - Obvladovanje tveganja geoloških nevarnosti za kopenske cevovode (ISO 20074:2019)
Petroleum and natural gas industry - Pipeline transportation systems - Geological hazards risk management for onshore pipeline (ISO 20074:2019)
Osnova: EN ISO 20074:2019
ICS: 75.200

This document specifies the tasks, contents and basic methods of the geological hazard identification, evaluation and control of oil and gas pipelines. It is proposed to apply in geological hazard management of land-based long-distance transportation of crude oil, refined oil, natural gas, coal bed methane and coal gas pipelines. The “pipelines” referred in this document include pipelines and subsidiary facilities of pipes and the “geological hazards” include geotechnical hazards, water hazards and geological constructive hazards.
Furthermore, geotechnical hazards merely contain landslides, collapse, debris flow, ground subsidence (including only gob collapse and karst collapse), special types of soil (including only loess collapse,

swelling of swelling soil, the frost heaving and thaw settlement of frozen soil and the salt heaving collapsibility and wind erosion and sand burying of salty soil); hydraulic hazards consist of slope damage, river ditch damage and farmland damage due to rainfall. Geological constructive hazards only contain faulting and earthquake.
This document is not applicable to process pipelines in oil or gas stations, urban gas pipelines, pipelines for oil refining or petrochemical factory and any other enterprises related.
This document can be used as a reference in the risk assessment of oil and gas gathering and transportation pipelines.

SIST EN ISO 20504:2019 SIST EN ISO 20504:2016
2019-12 (po) (en;fr;de) 24 str. (F)
Fina keramika (sodobna keramika, sodobna tehnična keramika) - Mehanske lastnosti keramičnih kompozitov pri sobni temperaturi - Določanje tlačnih lastnosti (ISO 20504:2019)
Fine ceramics (advanced ceramics, advanced technical ceramics) - Mechanical properties of ceramic composites at room temperature - Determination of compressive properties (ISO 20504:2019)
Osnova: EN ISO 20504:2019
ICS: 81.060.30

This document describes procedures for determination of the compressive behaviour of ceramic matrix composite materials with continuous fibre reinforcement at room temperature. This method applies to all ceramic matrix composites with a continuous fibre reinforcement, uni-directional (1D), bidirectional (2D) and tri-directional (xD, with $2 < x < 3$), tested along one principal axis of reinforcement or off axis conditions. This method also applies to carbon-fibre-reinforced carbon matrix composites (also known as carbon/carbon or C/C). Two cases of testing are distinguished: compression between platens and compression using grips.

SIST EN ISO 21416:2019
2019-12 (po) (en;fr;de) 16 str. (D)
Centri za rekreacijsko potapljanje - Zahteve in navodilo v zvezi s trajnostnimi praksami pri rekreacijskem potapljanju (ISO 21416:2019)
Recreational diving services - Requirements and guidance on sustainable practices in recreational diving (ISO 21416:2019)
Osnova: EN ISO 21416:2019
ICS: 13.020.20, 03.200.99, 03.080.30

This document specifies requirements for service providers with regard to responsible practices for the provision of their services. This document applies to recreational diving related activities, e.g:
• scuba diving;
• snorkelling;
• free diving (breath hold diving).
Further, this document provides guidance to all stakeholders involved in recreational diving related activities on best practice to minimise negative impact on the aquatic environment and to optimise positive outcomes.
This document will also provide consumers with a method of identifying and comparing service providers who follow environmental best practice.

SIST EN ISO 21417:2019
2019-12 (po) (en;fr;de) 15 str. (D)
Centri za rekreacijsko potapljanje - Zahteve za usposabljanje rekreativnih potapljačev o okoljski ozaveščenosti (ISO 21417:2019)
Recreational diving services - Requirements for training on environmental awareness for recreational divers (ISO 21417:2019)
Osnova: EN ISO 21417:2019
ICS: 13.020.99, 03.200.99, 03.080.30

This document specifies requirements for training programmes designed to educate participants in environmental awareness and sustainable practices in recreational diving activities.
The training programme consists of theory and an optional practical part (water session).

SIST EN ISO 29464:2019 SIST EN 14799:2007
2019-12 (po) (en;fr;de) 41 str. (I)
Čiščenje zraka in drugih plinov - Terminologija (ISO 29464:2017)
Cleaning of air and other gases - Terminology (ISO 29464:2017)
Osnova: EN ISO 29464:2019
ICS: 23.120, 01.040.13, 13.040.99

ISO 29464:2017 establishes a terminology for the air filtration industry and comprises terms and definitions only.
ISO 29464:2017 is applicable to particulate and gas phase air filters and air cleaners used for the general ventilation of inhabited enclosed spaces. It is also applicable to air inlet filters for static or seaborne rotary machines and UV-C germicidal devices.
It is not applicable to cabin filters for road vehicles or air inlet filters for mobile internal combustion engines for which separate arrangements exist. Dust separators for the purpose of air pollution control are also excluded.

SIST EN ISO 3252:2019 SIST EN ISO 3252:2001
2019-12 (po) (en;fr;de) 42 str. (I)
Metalurgija prahov - Slovar (ISO 3252:2019)
Powder metallurgy - Vocabulary (ISO 3252:2019)
Osnova: EN ISO 3252:2019
ICS: 77.160, 01.040.77

This document defines terms relating to powder metallurgy. Powder metallurgy is the branch of metallurgy which relates to the manufacture of metallic powders, or of articles made from such powders with or without the addition of non-metallic powders, by the application of forming and sintering processes.

SIST EN ISO 35103:2019
2019-12 (po) (en;fr;de) 37 str. (H)
Industrija za predelavo nafte in zemeljskega plina - Obratovanje v arktičnem okolju - Okoljsko nadzorovanje (ISO 35103:2017)
Petroleum and natural gas industries - Arctic operations - Environmental monitoring (ISO 35103:2017)
Osnova: EN ISO 35103:2019
ICS: 19.040, 75.020

ISO 35103:2017 gives requirements, specifications and guidelines to ensure that environmental monitoring in the offshore Arctic region is fit for purpose. The Arctic region includes the territory lying to the North of the Arctic Circle (Latitude 66° 33′45.8″). This document can be applied to sub-Arctic locations which experience Arctic-like conditions and contain relevant components of a cold-climate ecosystem.
ISO 35103:2017 is applicable to all Arctic oil and gas operations from licence block acquisition through exploration, engineering design, construction, commissioning, operation, decommissioning and restoration. It covers the offshore or maritime environment, including for the purposes of this document, the fully marine and estuarine waters of the Arctic, whether frozen or ice-free. The environment includes all relevant physical, chemical and biological components. Monitoring methods for onshore (terrestrial) environments are not covered in this document, although onshore environments are included where monitoring is required at onshore locations in relation to an offshore development.
ISO 35103:2017 covers both monitoring of environmental aspects for normal, abnormal and emergency conditions, and monitoring of environmental impacts. It includes monitoring in near-field, far-field, transboundary and regional scales, but does not include global environmental monitoring.

SIST EN ISO 35106:2019
2019-12 (po) (en;fr;de) 128 str. (O)
Industrija za predelavo nafte in zemeljskega plina - Obratovanje v arktičnem okolju - Meteorološko-oceanografski podatki ter podatki o ledu in morskem dnu (ISO 35106:2017)
Petroleum and natural gas industries - Arctic operations - Metocean, ice, and seabed data (ISO 35106:2017)
Osnova: EN ISO 35106:2019
ICS: 07.060, 75.020

ISO 35106:2017 specifies requirements and provides recommendations and guidance for the collection, analysis and presentation of relevant physical environmental data for activities of the petroleum and natural gas industries in arctic and cold regions. Activities include design and operations, which involve planning and actual execution.
Reference to arctic and cold regions in this document is deemed to include both the Arctic and other locations characterized by low ambient temperatures and the presence or possibility of sea ice, icebergs, shelf ice, glaciers, icing conditions, persistent snow cover, frozen surfaces of lakes and rivers, localized and rapidly changing weather systems and/or permafrost.
ISO 35106:2017 outlines requirements for a range of different operations that have been or are presently being undertaken and for existing design concepts. This document can also be used for other operations and new design concepts in arctic and cold regions as long as it is recognized that all data requirements are not necessarily addressed.

SIST EN ISO 6218:2019 SIST EN ISO 6218:2015
2019-12 (po) (en;fr;de) 23 str. (F)
Plovila za celinske vode - Ročno in električno upravljane vpenjalne naprave za vrvne povezave potisnih enot in pripetih plovil - Varnostne zahteve in glavne mere (ISO 6218:2019)
Inland navigation vessels - Manually- and power-operated coupling devices for rope connections of pushing units and coupled vessels - Safety requirements and main dimensions (ISO 6218:2019)
Osnova: EN ISO 6218:2019
ICS: 47.020.50, 47.060

This document specifies dimensions and safety requirements for manually operated and power-operated coupling devices used for assembling inland navigation vessels as push tows or for coupling vessels alongside by means of rope connections. The coupling device secures the stable positioning of the coupled vessels. Safety requirements to protect operators from accidents during the creation, operation, and separation of the rope connections of push tows and vessels coupled alongside are specified in this document. It also gives rules for designation and testing.

SIST EN ISO 8384:2019 SIST EN ISO 8384:2018
2019-12 (po) (en;fr;de) 29 str. (G)
Ladje in pomorska tehnologija - Plovni bagri - Slovar (ISO 8384:2019)
Ships and marine technology - Dredgers - Vocabulary (ISO 8384:2019)
Osnova: EN ISO 8384:2019
ICS: 47.020.40, 01.040.47

This document specifies terms and definitions relating to dredgers, with the aim of giving clear enough definitions for every term for them to be understood by all specialists. This document is applicable only to equipment which is used for the construction and maintenance of navigable waterways and the extraction of soil. The terms specified in this document are intended to be used in documentation of all kinds. Certain standardized terms are also given with their abridged version; these can be used in cases where no possibility of misinterpretation can arise. A combination of terms is allowed in application.

SIST EN ISO/ASTM 52902:2019
2019-12 (po) (en;fr;de) 44 str. (I)
Aditivna proizvodnja - Preskusni artefakti - Geometrijske zmogljivosti aditivnih proizvodnih sistemov (ISO/ASTM 52902:2019)
Additive manufacturing - Test artifacts - Geometric capability assessment of additive manufacturing systems (ISO/ASTM 52902:2019)
Osnova: EN ISO/ASTM 52902:2019
ICS: 25.030

This document covers the general description of benchmarking test piece geometries along with quantitative and qualitative measurements to be taken on the benchmarking test piece(s) to assess the performance of additive manufacturing (AM) systems. The benchmarking test piece(s) is primarily used to quantitatively assess the geometric performance of an AM system. The standard describes a suite of test geometries, each designed to investigate one or more specific performance metrics, and several example configurations of these geometries into test piece(s). The standard prescribes quantities and qualities of the test geometries to be measured, but does not dictate specific measurement methods. Various user applications may require various grades of performance. This standard discusses examples of feature configurations as well as measurement uncertainty requirements to demonstrate low and high grade examination and performance. This standard does not discuss a specific procedure or machine settings for manufacturing a test piece although these should be recorded as per ASTM F2971 and other relevant process specific specifications.

SIST EN ISO/ASTM 52910:2019
2019-12 (po) (en;fr;de) 31 str. (G)
Aditivna proizvodnja - Načrtovanje - Zahteve, smernice in priporočila (ISO/ASTM 52910:2018)
Additive manufacturing - Design - Requirements, guidelines and recommendations (ISO/ASTM 52910:2018)
Osnova: EN ISO/ASTM 52910:2019
ICS: 25.030

This document gives requirements, guidelines and recommendations for using additive manufacturing (AM) in product design.
It is applicable during the design of all types of products, devices, systems, components or parts that are fabricated by any type of AM system. This document helps determine which design considerations can be utilized in a design project or to take advantage of the capabilities of an AM process.
General guidance and identification of issues are supported, but specific design solutions and process-specific or material-specific data are not supported.
The intended audience comprises three types of users:
— designers who are designing products to be fabricated in an AM system and their managers;
— students who are learning mechanical design and computer-aided design; and
— developers of AM design guidelines and design guidance systems.

SIST EN ISO/ASTM 52911-1:2019
2019-12 (po) (en;fr;de) 32 str. (G)
Aditivna proizvodnja - Načrtovanje - 1. del: Laserska fuzija kovinskih prahastih plasti (ISO/ASTM 52911-1:2019)
Additive manufacturing - Design - Part 1: Laser-based powder bed fusion of metals (ISO/ASTM 52911-1:2019)
Osnova: EN ISO/ASTM 52911-1:2019
ICS: 25.030

This standard aims to give design and production engineers a working basis which enables them to have informed consideration about the use of Laser-based Powder Bed Fusion of Metals. This standard describes the features of Laser-based Powder Bed Fusion of Metals and provides detailed design recommendations. Some of the fundamental principles can also be applied to other AM processes,

provided that due considerations are given to the process-specific features. The purpose of this standard is to help practitioners explore the benefits of Laser-based Powder Bed Fusion of Metals and recognising the process-related limitations when designing parts.
The document also provides a state of the art review of design guidelines associated with the use of Powder Bed Fusion by bringing together relevant knowledge about this process and to extend the scope of ISO/ASTM 52910 “Standard Guide for Design for Additive Manufacturing.

Obvestilo o prevodih že sprejetih slovenskih nacionalnih standardov

S to objavo vas obveščamo, da so bili izdani prevodi naslednjih slovenskih nacionalnih standardov, ki so bili že sprejeti v tujem jeziku. Prevod pomeni le jezikovno različico predhodno izdanega slovenskega dokumenta. Standard je na voljo v standardoteki SIST.

SIST/TC NAD Naftni proizvodi, maziva in sorodni proizvodi

SIST EN 16942:2016
2016-12 (pr) (sl) 17 str. (SE)
Goriva – Identifikacija združljivosti z vozili – Grafični prikaz informacij za potrošnika
Fuels – Identification of vehicle compatibility – Graphical expression for consumer information
Osnova: EN 16942:2016
ICS: 75.160.20
Datum prevoda: 2019-12

Ta evropski standard določa usklajene identifikacijske oznake za tekoča in plinasta goriva na trgu. Zahteve v tem standardu dopolnjujejo informacije, ki jih potrebujejo uporabniki, o združljivosti goriv in vozil, ki so dana na trg. Identifikacijska oznaka je namenjena uporabi na napravah za točenje in oskrbovalnih mestih, na vozilih, na prodajnih mestih za motorna vozila ter v priročnikih za potrošnika, kot je opisano v tem dokumentu.
Goriva na trgu vključujejo na primer goriva, pridobljena iz nafte, sintetična goriva, biogoriva, zemeljski plin, utekočinjeni naftni plin, vodik in bioplin ter mešanice prej omenjenih goriv, ki se uporabljajo za vožnjo.

SIST/TC STV Steklo, svetloba in razsvetljava v gradbeništvu

SIST EN 17037:2019
2019-03 (pr) (sl) 61 str. (SK)
Dnevna svetloba v stavbah
Daylight of buildings.
Osnova: EN 17037:2018
ICS: 91.160.01
Datum prevoda: 2019-12

Ta evropski standard določa minimalna priporočila za doseganje ustreznega subjektivnega vtisa svetlosti v zaprtih prostorih z naravno svetlobo in za zagotavljanje ustreznega razgleda. Poleg tega so podana priporočila za trajanje izpostavljenosti soncu v bivalnih in zasedenih prostorih. Ta evropski standard

vsebuje informacije, kako z dnevno svetlobo osvetliti notranjost prostorov in kako omejiti bleščanje. Ta evropski standard določa meritve, ki se uporabljajo za vrednotenje pogojev dnevne svetlobe, in zagotavlja metode izračuna (ter preverjanja). Ta standard velja za vse prostore, ki jih ljudje redno zasedajo dalj časa, razen če je dnevna svetloba v nasprotju z naravo in vlogo dejansko opravljenega dela. Specifikacija zahtev razsvetljave za ljudi na delovnih mestih v zaprtih prostorih, vključno z vizualnimi nalogami, je podana v standardu EN 12464-1 in ni del tega standarda. Specifikacija računskih postopkov in meritev, povezanih z energijsko učinkovitostjo stavb, je podana v standardu prEN 15603 z več podrobnostmi v zvezi z razsvetljavo, podanimi v EN 15193, in ni del tega standarda.

Razveljavitev slovenskih standardov

SIST/TC	Razveljavljeni dokument	Leto razveljavitve	Zamenjan z dokumentom
AKU	SIST EN 14366:2005	2019-12	SIST EN 14366:2005+A1:2019
AKU	SIST EN ISO 3743-2:2009	2019-12	SIST EN ISO 3743-2:2019
BBB	SIST EN 12390-4:2001	2019-12	SIST EN 12390-4:2019
DTN	SIST ISO 4309:2012	2019-12	
EAL	SIST-TS CLC/TS 50134-7:2004	2019-12	SIST EN 50134-7:2017
EDO	SIST EN 60617-10:1997	2019-12	
EDO	SIST EN 60617-11:1997	2019-12	
EDO	SIST EN 60617-12:2000	2019-12	
EDO	SIST EN 60617-13:1997	2019-12	
EDO	SIST EN 60617-2:1997	2019-12	
EDO	SIST EN 60617-3:1997	2019-12	
EDO	SIST EN 60617-4:1997	2019-12	
EDO	SIST EN 60617-5:1997	2019-12	
EDO	SIST EN 60617-6:1997	2019-12	
EDO	SIST EN 60617-7:1997	2019-12	
EDO	SIST EN 60617-9:1997	2019-12	
EMC	SIST EN 55025:2009	2019-12	SIST EN 55025:2017
EMC	SIST EN 61000-4-9:1997	2019-12	SIST EN 61000-4-9:2016
ETC	SIST EN 60851-4:2001/A1:2002	2019-12	SIST EN 60851-4:2016
EXP	SIST EN 1127-1:2011	2019-12	SIST EN 1127-1:2019
EXP	SIST EN 50402:2005	2019-12	SIST EN 50402:2017
EXP	SIST EN 50402:2005/A1:2008	2019-12	SIST EN 50402:2017
IFEK	SIST EN 1753:1998	2019-12	SIST EN 1753:2019
IFEK	SIST EN 1753:1998/AC:2004	2019-12	SIST EN 1753:2019

SIST/TC	Razveljavljeni dokument	Leto razveljavitve	Zamenjan z dokumentom
IHPV	SIST ISO 4406:2001	2019-12	
IMIN	SIST EN 29104:2001	2019-12	SIST EN ISO 20456:2019
IMIN	SIST EN ISO 6817:1997	2019-12	SIST EN ISO 20456:2019
INEK	SIST EN 12449:2016	2019-12	SIST EN 12449:2016+A1:2019
IPKZ	SIST EN ISO 21968:2005	2019-12	SIST EN ISO 21968:2019
IPKZ	SIST EN ISO 28721-1:2011	2019-12	SIST EN ISO 28721-1:2019
IPKZ	SIST EN ISO 28763:2012	2019-12	SIST EN ISO 28763:2019
IPMA	SIST EN 14257:2006	2019-12	SIST EN 14257:2019
IPMA	SIST EN ISO 527-1:2012	2019-12	SIST EN ISO 527-1:2019
ISEL	SIST EN ISO 13385-1:2011	2019-12	SIST EN ISO 13385-1:2019
ISEL	SIST EN ISO 3269:2002	2019-12	SIST EN ISO 3269:2019
ITC	SIST-TS CEN/TS 16794-1:2017	2019-12	SIST-TS CEN/TS 16794-1:2019
ITC	SIST-TS CEN/TS 16794-2:2017	2019-12	SIST-TS CEN/TS 16794-2:2019
ITEK	SIST EN 20105-A03:1996	2019-12	SIST EN ISO 105-A03:2019
ITEK	SIST EN ISO 1833-13:2013	2019-12	SIST EN ISO 1833-13:2019
ITEK	SIST EN ISO 1833-14:2013	2019-12	SIST EN ISO 1833-14:2019
ITEK	SIST EN ISO 1833-9:2013	2019-12	SIST EN ISO 1833-9:2019
IŽNP	SIST EN 13674-2:2006+A1:2010	2019-12	SIST EN 13674-2:2019
KAV	SIST EN 1899-1:2000	2019-12	SIST EN ISO 5815-1:2019
KAZ	SIST ISO 10312:1996	2019-12	SIST ISO 10312:2019
KAZ	SIST ISO 13794:2002	2019-12	SIST ISO 13794:2019
KDS	SIST EN 16437:2014	2019-12	SIST EN 16437:2014+A1:2019
KON.005	SIST EN 14081-1:2016	2019-12	SIST EN 14081-1:2016+A1:2019
KŽP	SIST EN 15633-1:2009	2019-12	SIST EN 15633-1:2019
KŽP	SIST EN 15634-1:2009	2019-12	SIST EN 15634-1:2019
KŽP	SIST EN 15842:2010	2019-12	SIST EN 15842:2019
KŽP	SIST EN ISO 17059:2009	2019-12	SIST EN ISO 17059:2019
KŽP	SIST-TS CEN ISO/TS 15216-2:2013	2019-12	SIST EN ISO 15216-2:2019
KŽP	SIST-TS CEN/TS 15634-2:2012	2019-12	SIST EN 15634-2:2019
LLZ	SIST EN 844-1:1998	2019-12	SIST EN 844:2019
LLZ	SIST EN 844-10:2003	2019-12	SIST EN 844:2019
LLZ	SIST EN 844-11:2003	2019-12	SIST EN 844:2019
LLZ	SIST EN 844-12:2003	2019-12	SIST EN 844:2019
LLZ	SIST EN 844-2:1998	2019-12	SIST EN 844:2019
LLZ	SIST EN 844-3:2015	2019-12	SIST EN 844:2019
LLZ	SIST EN 844-4:2003	2019-12	SIST EN 844:2019
LLZ	SIST EN 844-5:1998	2019-12	SIST EN 844:2019

SIST/TC	Razveljavljeni dokument	Leto razveljavitve	Zamenjan z dokumentom
LLZ	SIST EN 844-6:2003	2019-12	SIST EN 844:2019
LLZ	SIST EN 844-7:2003	2019-12	SIST EN 844:2019
LLZ	SIST EN 844-8:1999	2019-12	SIST EN 844:2019
LLZ	SIST EN 844-9:2003	2019-12	SIST EN 844:2019
MEE	SIST EN 62056-6-1:2013	2019-12	SIST EN 62056-6-1:2017
MOC	SIST EN 50289-1-11:2002	2019-12	SIST EN 50289-1-11:2017
MOV	SIST EN 62453-1:2010	2019-12	SIST EN 62453-1:2017
NAD	SIST EN ISO 20846:2011	2019-12	SIST EN ISO 20846:2019
NAD	SIST EN ISO 20884:2011	2019-12	SIST EN ISO 20884:2019
NAD	SIST EN ISO 6145-1:2008	2019-12	SIST EN ISO 6145-1:2019
OGS	SIST EN 13487:2004	2019-12	SIST EN 13487:2019
OGS	SIST EN 215:2004	2019-12	SIST EN 215:2019
OGS	SIST EN 215:2004/A1:2006	2019-12	SIST EN 215:2019
OVP	SIST EN 381-2:1996	2019-12	SIST EN ISO 11393-2:2019
OVP	SIST EN 381-4:2000	2019-12	SIST EN ISO 11393-4:2019
OVP	SIST EN 381-5:1996	2019-12	SIST EN ISO 11393-2:2019
OVP	SIST EN 381-7:2000	2019-12	SIST EN ISO 11393-4:2019
PIP	SIST EN ISO 787-13:2003	2019-12	SIST EN ISO 787-13:2019
PIP	SIST EN ISO 787-15:1997	2019-12	SIST EN ISO 787-15:2019
PKG	SIST EN ISO 204:2011	2019-12	SIST EN ISO 204:2018
PPV	SIST EN 1047-1:2006	2019-12	SIST EN 1047-1:2019
PPV	SIST EN 15659:2009	2019-12	SIST EN 15659:2019
SPO	SIST EN 1176-2:2018	2019-12	SIST EN 1176-2:2018+AC:2019
SPO	SIST EN 1176-5:2008	2019-12	SIST EN 1176-5:2019
TGO	SIST EN 15804:2012+A1:2013	2019-12	SIST EN 15804:2012+A2:2019
TLP	SIST EN 12807:2010	2019-12	SIST EN 12807:2019
TLP	SIST EN 14564:2013	2019-12	SIST EN 14564:2019
TLP	SIST EN 16125:2016	2019-12	SIST EN 16125:2019
TLP	SIST EN 1802:2002	2019-12	
TLP	SIST EN 1803:2002	2019-12	
TLP	SIST EN 1968:2002	2019-12	
TLP	SIST EN 1968:2002/A1:2006	2019-12	
TLP	SIST EN ISO 14245:2010	2019-12	SIST EN ISO 14245:2019
TLP	SIST EN ISO 15995:2010	2019-12	SIST EN ISO 15995:2019
TLP	SIST EN ISO 9809-1:2010	2019-12	SIST EN ISO 9809-1:2019
TLP	SIST EN ISO 9809-2:2010	2019-12	SIST EN ISO 9809-2:2019
TLP	SIST EN ISO 9809-3:2010	2019-12	SIST EN ISO 9809-3:2019

SIST/TC	Razveljavljeni dokument	Leto razveljavitve	Zamenjan z dokumentom
TRS	SIST EN ISO 80000-10:2013	2019-12	SIST EN ISO 80000-10:2019
TRS	SIST EN ISO 80000-12:2013	2019-12	SIST EN ISO 80000-12:2019
TRS	SIST EN ISO 80000-2:2013	2019-12	SIST EN ISO 80000-2:2019
TRS	SIST EN ISO 80000-4:2013	2019-12	SIST EN ISO 80000-4:2019
TRS	SIST EN ISO 80000-5:2013	2019-12	SIST EN ISO 80000-5:2019
TRS	SIST EN ISO 80000-9:2013	2019-12	SIST EN ISO 80000-9:2019
TRS	SIST ISO 13715:2018	2019-12	SIST EN ISO 13715:2019
TRS	SIST ISO 80000-10:2014	2019-12	SIST EN ISO 80000-10:2019
TRS	SIST ISO 80000-12:2013	2019-12	SIST EN ISO 80000-12:2019
TRS	SIST ISO 80000-2:2013	2019-12	SIST EN ISO 80000-2:2019
TRS	SIST ISO 80000-4:2012	2019-12	SIST EN ISO 80000-4:2019
TRS	SIST ISO 80000-5:2012	2019-12	SIST EN ISO 80000-5:2019
TRS	SIST ISO 80000-9:2013	2019-12	SIST EN ISO 80000-9:2019
TRS	SIST ISO 80000-9:2013/A1:2013	2019-12	SIST EN ISO 80000-9:2019
VAZ	SIST EN ISO 3630-1:2008	2019-12	SIST EN ISO 3630-1:2019
VAZ	SIST EN ISO 3826-1:2013	2019-12	SIST EN ISO 3826-1:2019
VAZ	SIST EN ISO 8362-1:2010	2019-12	SIST EN ISO 8362-1:2019
VSN	SIST EN 12012-4:2007+A1:2008	2019-12	SIST EN 12012-4:2019
VSN	SIST EN 1870-19:2014	2019-12	SIST EN ISO 19085-10:2019
ŽEN	SIST EN 50121-1:2015	2019-12	SIST EN 50121-1:2017
ŽEN	SIST EN 50121-2:2015	2019-12	SIST EN 50121-2:2017
SS EIT	SIST EN 61078:2007	2019-12	SIST EN 61078:2017
SS EIT	SIST EN 61703:2002	2019-12	SIST EN 61703:2017
SS EIT	SIST EN 60745-2-14:2009/A2:2010	2019-12	SIST EN 62841-2-14:2015
SS SPL	SIST EN ISO 3252:2001	2019-12	SIST EN ISO 3252:2019
SS SPL	SIST EN 13071-3:2011	2019-12	SIST EN 13071-3:2019
SS SPL	SIST EN 14012:2009	2019-12	SIST EN 14012:2019
SS SPL	SIST EN 14607-8:2005	2019-12	SIST EN 16603-32-08:2016
SS SPL	SIST EN 14799:2007	2019-12	SIST EN ISO 29464:2019
SS SPL	SIST EN 3685:2008	2019-12	SIST EN 3685:2019
SS SPL	SIST EN 3745-404:2006	2019-12	SIST EN 3745-404:2019
SS SPL	SIST EN 378-4:2017	2019-12	SIST EN 378-4:2017+A1:2019
SS SPL	SIST EN 4476:2011	2019-12	SIST EN 4476:2019
SS SPL	SIST EN 4604-003:2009	2019-12	SIST EN 4604-003:2019
SS SPL	SIST EN 4604-006:2009	2019-12	SIST EN 4604-006:2019
SS SPL	SIST EN 474-1:2007+A5:2018	2019-12	SIST EN 474-1:2007+A6:2019
SS SPL	SIST EN 4827:2017	2019-12	SIST EN 4827:2019

SIST/TC	Razveljavljeni dokument	Leto razveljavitve	Zamenjan z dokumentom
SS SPL	SIST EN ISO 10426-3:2005	2019-12	SIST EN ISO 10426-3:2019
SS SPL	SIST EN ISO 11665-1:2015	2019-12	SIST EN ISO 11665-1:2019
SS SPL	SIST EN ISO 19903:2007	2019-12	SIST EN ISO 19903:2019
SS SPL	SIST EN ISO 20504:2016	2019-12	SIST EN ISO 20504:2019
SS SPL	SIST EN ISO 6218:2015	2019-12	SIST EN ISO 6218:2019
SS SPL	SIST EN ISO 8384:2018	2019-12	SIST EN ISO 8384:2019
SS SPL	SIST-TS CEN/TS 15525:2007	2019-12	

NAROČILNICA ZA SLOVENSKE STANDARDE IN DRUGE PUBLIKACIJE

N – IZO 122019

Publikacije	Št. izvodov

Naročnik (ime, št. naročilnice)

Podjetje (naziv iz registracije)

Naslov (za račun)

Naslov za pošiljko (če je drugačen)

Davčni zavezanec • da • ne

Davčna številka

E-naslov (obvezno!)

Telefon

Datum

Faks

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

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