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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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Objava novih slovenskih nacionalnih standardov

SIST/TC AGO Alternativna goriva iz odpadkov

SIST EN ISO 18134-2:2017 SIST EN ISO 18134-2:2015
2017-04 (po) (en;fr;de) 12 str. (C)
Trdna biogoriva - Določevanje vlage - Metoda sušenja v peči - 2. del: Celotna vlaga - Poenostavljena metoda (ISO 18134-2:2017)
Solid biofuels - Determination of moisture content - Oven dry method - Part 2: Total moisture - Simplified method (ISO 18134-2:2017)
Osnova: EN ISO 18134-2:2017
ICS: 75.160.40

This document describes the method of determining the total moisture content of a test sample of solid biofuels by drying in an oven and is used when the highest precision is not needed, e.g. for routine production control on site. The method described in ISO 18134 (all parts) is applicable to all solid biofuels. The moisture content of solid biofuels (as received) is always reported based on the total mass of the test sample (wet basis).

SIST/TC BBB Beton, armirani beton in prednapeti beton

SIST EN 1766:2017 SIST EN 1766:2002
2017-04 (po) (en;fr;de) 14 str. (D)
Proizvodi in sistemi za zaščito in popravilo betonskih konstrukcij - Preskusne metode - Referenčni betoni za preskušanje
Products and systems for the protection and repair of concrete structures - Test methods - Reference concretes for testing
Osnova: EN 1766:2017
ICS: 91.100.30, 91.080.40

This European Standard specifies the composition, characteristics and preparation procedure for reference concrete substrates which are to be used in the test methods to measure performance requirements of products and systems for the repair and protection of concrete structures.
The provisions of this standard are applicable to concrete with a maximum aggregate size of 16 mm or 20 mm or with a maximum aggregate size of 8 mm or 10 mm.

SIST/TC DPN Delo pod napetostjo

SIST EN 60855-1:2017 SIST EN 60855:2001
2017-04 (po) (en) 35 str. (H)
Delo pod napetostjo - Izolacijske s peno polnjene cevi in polne palice - 1. del: Cevi in palice s krožnim prerezom
Live working - Insulating foam-filled tubes and solid rods - Part 1: Tubes and rods of a circular cross-section
Osnova: EN 60855-1:2017
ICS: 13.260

This part of IEC 60855 is applicable to *insulating foam-filled tube*s and solid rods, of a circular cross-section, made of synthetic materials with reinforced fibreglass and intended to be used in the

manufacture and construction of tools, devices and equipment for carrying out live working on electrical systems operating at voltages above 1 kV.
Foam-filled tubes and solid rods of cross-section other than circular and/or made with material other than synthetic materials with reinforced fibreglass are not covered by this part of IEC 60855.

SIST/TC DTN Dvigalne in transportne naprave

SIST EN 1909:2017 SIST EN 1909:2005
2017-04 (po) (en;fr;de) 17 str. (E)
Varnostne zahteve za žičniške naprave za prevoz oseb - Izpraznitev in reševanje
Safety requirements for cableway installations designed to carry persons - Recovery and evacuation
Osnova: EN 1909:2017
ICS: 45.100

This document specifies the safety requirements applicable to the recovery of carriers and the evacuation of passengers from cableway installations designed to carry persons, with the exception of ski-tows. This standard is applicable to various types of installations and takes into account their environment.
This document establishes the requirements relating to the methods and equipment to be used to ensure the safety of passengers on cableways in the event of extended stoppage of the installation.
It covers only the situation resulting from immobilization of the carriers, even if the passengers are not in immediate danger.
It does not cover specific operations resulting from an accident.
It includes requirements relating to the prevention of work accidents and to worker protection, without prejudice to the application of national regulations in the construction sector, of provisions of a regulatory nature, or provisions which are intended for the protection of specific groups of people.
It does not apply to installations for the transportation of goods by rope or to lifts.
It does not deal with design requirements for carriers.

SIST/TC EAL Električni alarmi

SIST EN 50134-7:2017 SIST-TS CLC/TS 50134-7:2004
2017-04 (po) (en;fr) 15 str. (D)
Alarmni sistemi - Socialni alarmni sistemi - 7. del: Navodila za uporabo
Alarm systems - Social alarm systems - Part 7: Application guidelines
Osnova: EN 50134-7:2017
ICS: 13.320

This standard applies to the delivery of social alarms services by organisations, whether through the use of paid or voluntary staff. It does not apply to the use of social alarm systems to enhance informal arrangements between an individual and their close friends and family for the provision of assistance, although it may provide advice on the issues that such individuals may need to consider.
This standard specifies requirements for social alarm service providers for effective and efficient management, policy and procedures for
a) general requirements,
b) marketing,
c) sale and referral,
d) assessment,
e) installation,
f) alarm monitoring,
g) response arrangement,
h) operational records,

i) service and maintenance,
j) risk management,
k) service development and improvement,
l) workforce.
NOTE The effectiveness of a social alarm service is largely dependent upon the management of the system and its integration with other services.

SIST-TS CLC/TS 50131-2-11:2017
2017-04 (po) (en) 41 str. (I)
Alarmni sistemi - Sistemi za javljanje vloma in ropa - 2-11. del: Javljalniki vloma - ALDDR
Alarm systems - Intrusion and hold-up systems - Part 2-11: Intrusion detectors - ALDDR
Osnova: CLC/TS 50131-2-11:2017
ICS: 13.310, 13.320

This Technical Specification is for ALDDR inside buildings and provides four security grades 1 to 4 (see EN 50131-1), specific or non-specific wire or wire-free ALDDR, and uses environmental classes I to IV (see EN 50130-5).
An ALDDR fulfils all the requirements of the specified grade.
The ALDDR detects an intruder inside a predefined area.
This standard covers ALDDR using both pulsed and continuous wave laser operation technologies according to LIDAR principle (Light Detection And Ranging). Other technologies i.e. doppler based laser operation or use of additional retro-reflective objects or video based technologies are not covered by this standard.
Functions additional to the mandatory functions specified in this standard may be included in the ALDDR, providing they do not adversely influence the correct operation of the mandatory functions.
This Technical Specification does not apply to system interconnections.
This Technical Specification does not deal with requirements for compliance with regulatory directives, such as EMC-directive, low-voltage directive, etc., except that it specifies the equipment operating conditions for EMC- susceptibility testing as required by EN 50130-4.

SIST/TC EMC Elektromagnetna združljivost

SIST EN 55025:2017 SIST EN 55025:2009
2017-04 (po) (en) 155 str. (P)
Vozila, plovila in naprave z motorji z notranjim zgorevanjem - Karakteristike občutljivosti za radijske motnje - Mejne vrednosti in metode merjenja za zaščito sprejemnikov na krovu
Vehicles, boats and internal combustion engines - Radio disturbance characteristics - Limits and methods of measurement for the protection of on-board receivers
Osnova: EN 55025:2017
ICS: 33.100.99, 33.060.20

This standard defines test methods for use by Vehicle Manufacturers and Suppliers, to assist in the design of vehicles and components and ensure controlled levels of on-board radio frequency emissions.
Vehicle test limits are provided for guidance and are based on a typical radio receiver using the antenna provided as part of the vehicle, or a test antenna if a unique antenna is not specified. The frequency bands that are defined are not applicable to all regions or countries of the world. For economic reasons, the vehicle manufacturer is free to identify what frequency bands are applicable in the countries in which a vehicle will be marketed and which radio services are likely to be used in that vehicle.
As an example, many vehicle models will probably not have a television receiver installed; yet the television bands occupy a significant portion of the radio spectrum. Testing and mitigating noise sources in such vehicles is not economically justified.

The vehicle manufacturer should define the countries in which the vehicle is to be marketed, then choose the applicable frequency bands and limits. Component test parameters can then be selected from this standard to support the chosen marketing plan.

SIST EN 61000-4-10:2017 SIST EN 61000-4-10:1997
SIST EN 61000-4-10:1997/A1:2002

2017-04 (po) (en) 44 str. (I)

Elektromagnetna združljivost (EMC) - 4-10. del: Preskusne in merilne tehnike - Preskus odpornosti proti magnetnemu polju dušenega nihanja

Electromagnetic Compatibilty (EMC) - Part 4-10: Testing and measurement techniques -Damped oscillatory magnetic field immunity test

Osnova: EN 61000-4-10:2017
ICS: 33.100.20

This part of IEC 61000 specifies the immunity requirements, test methods, and range of recommended test levels for equipment subjected to damped oscillatory magnetic disturbances related to medium voltage and high voltage sub-stations.
The test defined in this standard is applied to equipment which is intended to be installed in locations where the phenomenon as specified in Clause 4 will be encountered.
This standard does not specify disturbances due to capacitive or inductive coupling in cables or other parts of the field installation. IEC 61000-4-18, which deals with conducted disturbances, covers these aspects.
The object of this standard is to establish a common and reproducible basis for evaluating the performance of electrical and electronic equipment for medium voltage and high voltage substations when subjected to damped oscillatory magnetic fields.
The test is mainly applicable to electronic equipment to be installed in H.V. sub-stations.
Power plants, switchgear installations, smart grid systems may also be applicable to this standard and may be considered by product committees.
NOTE As described in IEC Guide 107, this is a basic EMC publication for use by product committees of the IEC.
As also stated in Guide 107, the IEC product committees are responsible for determining whether this immunity test standard is applied or not, and if applied, they are responsible for determining the appropriate test levels and performance criteria. TC 77 and its sub-committees are prepared to co-operate with product committees in the evaluation of the value of particular immunity test levels for their products.
This standard defines:
– a range of test levels;
– test equipment;
– test setups;
– test procedures.

SIST EN 61000-4-30:2015/AC:2017

2017-04 (po) (en,fr) 4 str. (AC)

Elektromagnetna združljivost (EMC) - 4-30. del: Preskusne in merilne tehnike - Metode merjenja kakovosti napetosti - Popravek AC

Electromagnetic compatibility (EMC) - Part 4-30: Testing and measurement techniques - Power quality measurement methods

Osnova: EN 61000-4-30:2015/AC:2017-01
ICS: 33.100.01

Popravek k standard SIST EN 61000-4-30:2015.
Ta del standarda IEC 61000-4 določa metode za merjenje in interpretacijo rezultatov za parametre kakovosti napetosti v napajalnih sistemih z izmeničnim tokom in deklarirano osnovno napetostjo 50/60 Hz.

Za vsak ustrezen parameter so opisane merilne metode, ki zagotavljajo zanesljive in ponovljive rezultate ne glede na uvedbo posamezne metode. Ta standard obravnava merilne metode za meritve na mestu uporabe.
Meritve parametrov, ki jih zajema ta standard, so omejene na vodene pojave v napajalnih sistemih. Parametri kakovosti napetosti, obravnavani v tem standardu, so omrežna frekvenca, magnituda napajalne napetosti, nihanja, napetostni upadi in udari, motnje napetosti, prehodne napetosti, neravnovesje napajalne napetosti, napetostni harmoniki in medharmoniki, napetostni signali v omrežju, nenadne spremembe napetosti in meritve toka. Emisije v razponu 2–150 kHz so obravnavane v dodatku C (informativne vrednosti), odkloni navzgor in navzdol pa so obravnavani v dodatku D (informativne vrednosti). Odvisno od namena meritev se lahko izmerijo vrednosti vseh pojavov ali izbranega podnabora pojavov na tem seznamu.
OPOMBA 1: Preskusne metode za preverjanje skladnosti s tem standardom so navedene v standardu IEC 62586-2.
OPOMBA 2: Učinki pretvornikov, nameščenih med napajalni sistem in instrument, so v tem standardu upoštevani, vendar niso podrobno obravnavani. Smernice glede učinkov pretvornikov so navedene v standardu IEC TR 61869-103.

SIST EN 61000-4-31:2017
2017-04 (po) (en) 46 str. (I)
Elektromagnetna združljivost (EMC) - 4-31. del: Preskusne in merilne tehnike - Preskus odpornosti konektorjev izmeničnega napajanja proti širokopasovnim motnjam po vodnikih
Electromagnetic Compatibility (EMC) - Part 4-31: Testing and measurement techniques - AC mains ports broadband conducted disturbance immunity test
Osnova: EN 61000-4-31:2017
ICS: 33.100.20

This part of IEC 61000 relates to the conducted immunity of electrical and electronic equipment to electromagnetic disturbances coming from intended and/or unintended broadband signal sources in the frequency range 150 kHz up to 80 MHz.
The object of this standard is to establish a common reference to evaluate the immunity of electrical and electronic equipment when subjected to conducted disturbances caused by intended and/or unintended broadband signal sources on AC mains ports. The test method documented in this standard describes a consistent method to assess the immunity of an equipment or system against a defined phenomenon.
Equipment not having at least one AC mains port is excluded. The power ports not intended to be connected to AC mains distribution networks are not considered as “AC mains ports” and therefore are excluded.
This standard is applicable only to single phase equipment having rated input current ≤ 16 A; the application of the broadband disturbance to multiple phase equipment and/or equipment with rated input current > 16 A is under consideration.
NOTE As described in IEC Guide 107, this standard is a basic EMC publication for use by product committees of the IEC. As also stated in Guide 107, the IEC product committees are responsible for determining whether this immunity test standard is to be applied or not, and if applied, they are responsible for determining the appropriate test levels and performance criteria. TC 77 and its sub-committees are prepared to co-operate with product committees in the evaluation of the value of particular immunity tests for their products.

SIST/TC EPO Embalaža - prodajna in ovojna

SIST EN ISO 8611-2:2013/A1:2017
2017-04 (po) (en;fr;de) 7 str. (B)
Palete za ravnanje z materiali - Ravne palete - 2. del: Izvedbene zahteve in izbira preskusov - Dopolnilo A1 (ISO 8611-2:2011/Amd 1:2016)
Pallets for materials handling - Flat pallets - Part 2: Performance requirements and selection of tests (ISO 8611-2:2011/Amd 1:2016)
Osnova: EN ISO 8611-2:2012/A1:2016
ICS: 55.180.20

Dopolnilo A1 je dodatek k standardu SIST EN ISO 8611-2:2013.
Ta del standarda ISO 8611 podaja izvedbene zahteve za določanje nazivne obremenitve za nove ravne palete. Določa tudi zahtevane preskuse za nove ravne palete v različnih delovnih okoljih in izvedbene zahteve za preskuse z obremenitvijo. Ni namenjen za palete s fiksno nadgradnjo ali za trdne, samonosilne posode, ki se lahko mehanično pritrdijo na paleto in pripomorejo k trdnosti palete.

SIST/TC EVA Električne varovalke

SIST EN 60691:2017 SIST EN 60691:2004
SIST EN 60691:2004/A1:2007
SIST EN 60691:2004/A2:2010
2017-04 (po) (en;fr;de) 49 str. (I)
Termični taljivi vložki - Zahteve in navodilo za uporabo (IEC 60691:2015 + popravek COR1:2016)
Thermal-links - Requirements and application guide (IEC 60691:2015 + COR1:2016)
Osnova: EN 60691:2016
ICS: 29.120.50

This International Standard is applicable to thermal-links intended for incorporation in electrical appliances, electronic equipment and component parts thereof, normally intended for use indoors, in order to protect them against excessive temperatures under abnormal conditions.
NOTE 1 The equipment is not designed to generate heat.
NOTE 2 The effectiveness of the protection against excessive temperatures logically depends upon the position and method of mounting of the thermal-link, as well as upon the current which it is carrying.
This standard may be applicable to thermal-links for use under conditions other than indoors, provided that the climatic and other circumstances in the immediate surroundings of such thermal-links are comparable with those in this standard.
This standard may be applicable to thermal-links in their simplest forms (e.g. melting strips or wires), provided that molten materials expelled during function cannot adversely interfere with the safe use of the equipment, especially in the case of hand-held or portable equipment, irrespective of its position.
Annex H of this standard is applicable to thermal-link packaged assemblies where the thermal-link(s) has already been approved to this standard but packaged in a metallic or nonmetallic housing and provided with terminals/wiring leads.
This standard is applicable to thermal-links with a rated voltage not exceeding 690 V a.c. or d.c. and a rated current not exceeding 63 A.
The objectives of this standard are:
a) to establish uniform requirements for thermal-links,
b) to define methods of test,
c) to provide useful information for the application of thermal-links in equipment.
This standard is not applicable to thermal-links used under extreme conditions such as corrosive or explosive atmospheres.
This standard is not applicable to thermal-links to be used in circuits on a.c. with a frequency lower than 45 Hz or higher than 62 Hz.

SIST/TC EXP Električni aparati za eksplozivne atmosfere

SIST EN 14986:2017 SIST EN 14986:2007
2017-04 (po) (en;fr;de) 52 str. (J)
Načrtovanje ventilatorjev za delovanje v potencialno eksplozivnih atmosferah
Design of fans working in potentially explosive atmospheres
Osnova: **EN 14986:2017**
ICS: **29.260.20, 23.120**

1.1 This European Standard specifies the constructional requirements for fans constructed to Group II G (of explosion groups IIA, IIB and hydrogen) categories 1, 2 and 3, and Group II D categories 2 and 3, intended for use in explosive atmospheres.
NOTE Operation conditions for the different categories of fans used in this European Standard are defined in Clause 4.
1.2 This European Standard does not apply to group I fans (fans for mining), cooling fans or impellers on rotating electrical machines, cooling fans or impellers on internal combustion engines.
NOTE 1 Requirements for group I fans are given in EN 1710.
NOTE 2 The requirements for electrical parts are covered by references to electrical equipment standards.
1.3 This European Standard specifies requirements for design, construction, testing and marking of complete fan units intended for use in potentially explosive atmospheres in air containing gas, vapour, mist and/or dusts. Such atmospheres may exist inside (the conveyed fluid), outside, or inside and outside of the fan.
1.4 This European Standard is applicable to fans working in the range of ambient atmospheres having absolute pressures ranging from 0,8 bar to 1,1 bar, temperatures ranging from -20 °C to -60 °C, maximum volume fraction of 21 % oxygen content and by the condition at the inlet (pressure ranging from 0,8 bar to 1,1 bar, temperatures ranging from -20 °C to +60 °C) and an aerodynamic energy increase of less than 25 kJ/kg.
NOTE 1 25 kJ/kg is equivalent to 30 kPa at inlet density of 1,2 kg/mł.
NOTE 2 This European Standard may also be helpful for the design, construction, testing and marking of fans intended for use in atmospheres outside the validity range stated above or in cases where other material pairings need to be used. In this case, the ignition risk assessment, ignition protection provided, additional testing (if necessary), manufacturer's marking, technical documentation and instructions to the user, should clearly demonstrate and indicate the equipment's suitability for the conditions the fan may encounter.
NOTE 3 This European Standard does not apply to integral fans of electric motors.
NOTE 4 Where undated references are used in the body of the standard the latest edition applies.

SIST EN 1839:2017 SIST EN 14756:2007
SIST EN 1839:2013
2017-04 (po) (en;fr;de) 44 str. (I)
Ugotavljanje mej eksplozivnosti plinov in hlapov ter ugotavljanje mejne koncentracije kisika (LOC) za vnetljive pline in pare
Determination of explosion limits of gases and vapours and determination of the limiting oxygen concentration (LOC) for flammable gases and vapours
Osnova: **EN 1839:2017**
ICS: **13.230**

This European Standard specifies two test methods (method T and method B) to determine the explosion limits of gases, vapours and their mixtures, mixed with air. An air/inert gas mixture (volume fraction of the oxygen < 21 %) can be used as the oxidizer instead of air. In this European Standard, the term "air" includes such air/inert mixtures. This European Standard applies to gases, vapours and their mixtures at atmospheric pressure for temperatures up to 200 °C.
This European Standard specifies in addition the method for determining the LOC of mixtures consisting of flammable gas or vapour, air and inert gas at atmospheric pressure and

temperatures from ambient temperature to 200 °C.
NOTE: This method was previously specified in EN 14756.

SIST EN 60079-29-1:2017 SIST EN 60079-29-1:2008
2017-04 (po) (en;fr;de) 55 str. (J)
Eksplozivne atmosfere - 29-1. del: Javljalniki plina - Zahteve za delovanje javljalnikov vnetljivih plinov (IEC 60079-29-1:2016, spremenjen)
Explosive atmospheres - Part 29-1: Gas detectors - Performance requirements of detectors for flammable gases (IEC 60079-29-1:2016 , modified)
Osnova: EN 60079-29-1:2016
ICS: 13.320, 29.260.20

This part of IEC 60079-29 specifies general requirements for construction, testing and performance, and describes the test methods that apply to portable, transportable and fixed equipment for the detection and measurement of flammable gas or vapour concentrations with air. The equipment, or parts thereof, is intended for use in explosive atmospheres and in mines susceptible to firedamp.
This part of IEC 60079-29 is applicable to flammable gas detection equipment with a measuring range up to any volume fraction as declared by the manufacturer, and which is intended to provide an indication, alarm or other output function; the purpose of which is to indicate a potential explosion hazard and in some cases, to initiate automatic or manual protective action(s).
For the purposes of this part of IEC 60079-29, the term “indicating up to a volume fraction of X % or X %LFL” includes equipment with an upper limit of the measuring range equal to or less than X % or X %LFL.
This part of IEC 60079-29 is applicable to equipment, including the integral sampling systems of aspirated equipment, intended to be used for commercial, industrial and non-residential safety applications.
This part of IEC 60079-29 does not apply to external sampling systems, or to equipment of laboratory or scientific type, or to equipment used only for process monitoring and/or control purposes. It also does not apply to open path (line of sight) detectors which are within the scope of IEC 60079-29-4. Only equipment with very short optical paths intended for use where the concentration is uniform over the optical path are within the scope of this standard.
For equipment used for sensing the presence of multiple gases, this part of IEC 60079-29 applies only to the detection of flammable gas or vapour.
This part of IEC 60079-29 supplements and modifies the general requirements of IEC 60079-0. Where a requirement of this standard conflicts with a requirement of IEC 60079-0, the requirement of IEC 60079-29-1 takes precedence.
NOTE 1 IEC 60079-29-1 is intended to provide for the supply of equipment giving a level of safety and performance suitable for general purpose applications. However, for specific applications, a prospective purchaser (or an appropriate authority) can additionally require the equipment to be submitted to particular tests or approval.
For example, Group I equipment (i.e. equipment to be used in mines susceptible to firedamp) might not be permitted to be used without the additional, prior approval of the relevant authority in mines under its jurisdiction.
Such particular tests/approval are to be regarded as additional to and separate from the provisions of the standards referred to above and do not preclude certification to or compliance with these standards.
NOTE 2 All equipment calibrated on specific gases or vapours can not be expected to correctly indicate on other gases or vapours.

SIST EN ISO/IEC 80079-38:2017 SIST EN 1710:2006+A1:2008
SIST EN 1710:2006+A1:2008/AC:2010

2017-04 (po) (en) 62 str. (K)

Eksplozivne atmosfere - 38. del: Oprema in komponente, namenjene za uporabo v eksplozivnih atmosferah v podzemnih rudnikih (ISO/IEC 80079-38:2016)

Explosive atmospheres - Part 38: Equipment and components in explosive atmospheres in underground mines (ISO/IEC 80079-38:2016)

Osnova: EN ISO/IEC 80079-38:2016

ICS: 73.100.30, 29.260.20

This International Standard specifies the explosion protection requirements for the design, construction, assessment and information for use (maintenance, repair, marking) of equipment that may be an individual item or form an assembly. This includes machinery and components placed on the market by a single supplier for use in mines susceptible to explosive atmospheres of firedamp and/or combustible dust. The standard atmospheric conditions (relating to the explosion characteristics of the atmosphere) under which equipment can be operated are:

- temperature -20 °C to +60 °C;
- pressure 80 kPa (0,8 bar) to 110 kPa (1,1 bar);
- air with normal oxygen content, typically 21 % v/v.

This International Standard applies for equipment and components according to EPL Mb to be used in explosive atmospheres containing firedamp and/or combustible dust.

SIST/TC FGA Funkcionalnost gospodinjskih aparatov

SIST EN 50593:2017

2017-04 (po) (en) 28 str. (G)

Električni pomivalni stroji za komercialno uporabo - Preskusne metode za merjenje lastnosti

Electric dishwashers for commercial use - Test methods for measuring the performance

Osnova: EN 50593:2017

ICS: 97.040.40

This standard applies for manually loaded undercounter one-tank and one-tank hood type dishwashing machines for washing plates, dishes, glassware, cutlery and similar articles.
These machines are used in professional kitchens, such as restaurants, canteens, hospitals and in businesses such as bakeries, butcheries etc.
This standard does not apply to commercial dishwashers with transport systems (flight-type and rack conveyor dishwashers) and utensil washers.
This standard does not apply to undercounter water-change dishwashers.
This standard does not apply to appliances designed exclusively for industrial purposes.
The object is to state and define the principal performance characteristics of electric dishwashers for professional use and to describe the standard methods of measuring these characteristics.
This standard is not dealing with safety requirements.

SIST EN 60312-1:2017 SIST EN 60312-1:2013

2017-04 (po) (en) 93 str. (M)

Sesalniki za uporabo v gospodinjstvu - 1. del: Sesalniki za suho čiščenje - Metode za merjenje lastnosti

Vacuum cleaners for household use - Part 1: Dry vacuum cleaners - Methods for measuring the performance

Osnova: EN 60312-1:2017

ICS: 97.080

This International Standard is applicable for measurements of the performance of dry vacuum cleaners for household use in or under conditions similar to those in households.

The purpose of this standard is to specify essential performance characteristics of dry vacuum cleaners being of interest to the users and to describe methods for measuring these characteristics.

SIST EN 60704-2-13:2017 SIST EN 60704-2-13:2011
2017-04 (po) (en) 19 str. (E)
Gospodinjski in podobni električni aparati - Preskuševalni kod za ugotavljanje zvočnega hrupa v zraku - 2-13. del: Posebne zahteve za kuhinjske nape in druge kuhinjske odsesovalnike par
Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2-13: Particular requirements for range hoods and other cooking fume extractors
Osnova: EN 60704-2-13:2017
ICS: 97.040.20, 17.140.20

These particular requirements apply to electrical range hoods and other cooking fume extractors for household and similar use intended for filtering the air of a room or for exhausting the air out of a room, including their accessories and their component parts. It also applies to cooking fume extractors with an external fan which may be mounted inside or outside of the room where the range hood is located or a down-draft system that is arranged beside, behind or under the cooking surface.

SIST/TC IESV Električne svetilke

SIST EN 60598-2-20:2015/AC:2017
2017-04 (po) (en,fr) 3 str. (AC)
Svetilke - 2-20. del: Posebne zahteve - Svetlobni nizi (IEC 60598-2-20:2014/COR1:2016) - Popravek AC
Luminaires - Part 2-20: Particular requirements - Lighting chains (IEC 60598-2-20:2014/COR1:2016)
Osnova: EN 60598-2-20:2015/AC:2017-01
ICS: 29.140.40

Popravek k standardu SIST EN 60598-2-20:2015.
This part of IEC 60598 specifies requirements for lighting chains fitted with series, parallel or a combination of series/parallel connected light sources for use either indoors or outdoors on supply voltages not exceeding 250 V.
For combinations where rope lights (also known as sealed lighting chains) are included, see IEC 60598-2-21.
Lighting chains provided with fixed or detachable attachments e.g. ornamental or decorative, are considered to be covered by this standard.
For lighting chains fitted with lampholders of the push-in type, the appropriate requirements of this standard applies.
NOTE 1 A Christmas tree lighting chain is an example of a lighting chain fitted with series or series/parallel connected lamps. A chain for illuminating ski-tracks or promenades is an example of a lighting chain fitted with parallel connected lamps.
For lighting chains with non-standardised lamps (e.g. lamps of the push-in type) the lamps are regarded as a part of the lighting chain and consequently included in the testing.
NOTE 2 For products where the lighting chain is permanently fixed to a frame or pre-lit Christmas tree the relevant clauses of IEC 60598-2-4 and/or IEC 60598-2-7 can also apply.
NOTE 3 In some countries the term "strings" is used instead of "chains".
NOTE 4 Candlestick luminaries are tested according to IEC 60598-2-4.

SIST EN 60598-2-21:2015/AC:2017
2017-04 (po) (en,fr) 3 str. (AC)
Svetilke - 2-21. del: Posebne zahteve - Viseče svetilke (IEC 60598-2-21:2014/COR1:2016) - Popravek AC
Luminaires - Part 2-21: Particular requirements - Rope lights (IEC 60598-2-21:2014/COR1:2016)
Osnova: EN 60598-2-21:2015/AC:2017-01
ICS: 29.140.40

Popravek k standardu SIST EN 60598-2-21:2015.
This part of IEC 60598 specifies requirements for rope lights (sealed lighting chains) fitted with non-replaceable series- or parallel- or a combination of series/parallel-connected light sources for use either indoors or outdoors on supply voltages not exceeding 250 V.
NOTE 1 In some countries the term “sealed lighting chain” is used instead of "rope light".
NOTE 2 For products where the rope light is fixed to a frame or the like as ornaments like Santa Claus, snowman and similar, relevant clauses of IEC 60598-2-4 and/or IEC 60598-2-7 can also apply.
Rope lights provided with, fixed or detachable, extra attachments of different kinds, e.g. ornamental element in temporary decorative configurations due to festivals, celebrations, etc. or in two or three dimensional reproductions of persons or animals (real or imaginary) are considered to be covered by this standard.

SIST EN 62922:2017
2017-04 (po) (en) 28 str. (G)
Plošče z organskimi svetlečimi diodami (OLED) za splošno razsvetljavo - Zahtevane lastnosti (IEC 62922:2016)
Organic light emitting diode (OLED) panels for general lighting - Performance requirements (IEC 62922:2016)
Osnova: EN 62922:2017
ICS: 29.140.99

This document specifies the performance requirements of OLED tiles and panels for use on DC supplies up to 120 V or AC supplies up to 50 V at 50 Hz or 60 Hz for indoor and similar general lighting purposes.
NOTE In this current edition, life (life time and maintained values) is not addressed. This is intended to be covered in a future amendment.

SIST/TC IFEK Železne kovine

SIST EN 10152:2017 **SIST EN 10152:2009**
SIST EN 10152:2009/AC:2012
2017-04 (po) (en;fr;de) 19 str. (E)
Elektrolizno cinkani hladno valjani ploščati izdelki iz jekla za hladno preoblikovanje - Tehnični dobavni pogoji
Electrolytically zinc coated cold rolled steel flat products for cold forming - Technical delivery conditions
Osnova: EN 10152:2017
ICS: 77.140.50

This European Standard specifies requirements for continuously electrolytic zinc coated cold rolled flat products of low carbon steels suitable for cold forming according to Table 1 in rolled widths above or equal to 600 mm and thicknesses from 0,35 mm up to and including 3 mm, delivered as strip (in coil form), sheet, slit strip or cut lengths obtained from slit strip or sheet.
NOTE 1 This European Standard can also be applied to continuously electrolytic zinc coated flat products of:
a) steels according to EN 10139 (cold rolled strip in rolled widths < 600 mm),
b) steels normally characterized by minimum yield strength or minimum tensile strength values

in addition to formability parameters, e. g. 1) steels with high yield strength and improved formability according to EN 10268 (cold rolled flat products), 2) multiphase steels (cold rolled or hot rolled) according to prEN 10338, 3) steels for construction according to national or regional standards (see e. g. DIN 1623).
NOTE 2 By agreement at the time of enquiry and order this European Standard can be applied to continuously electrolytic zinc coated hot-rolled steel flat products (e.g. according to EN 10025-1 and -2, EN 10111, EN 10149-1 to EN 10149-3, etc.).
NOTE 3 As the mass of the zinc coating applied is relatively small, the material is not intended to withstand outside exposure without further chemical treatment and painting.

SIST/TC IKER Keramika

SIST EN 490:2012+A1:2017 SIST EN 490:2012
2017-04 (po) (en;fr;de) 31 str. (G)
Betonski strešniki in fazonski kosi za prekrivanje streh in oblaganje sten - Specifikacije za izdelek
Concrete roofing tiles and fittings for roof covering and wall cladding - Product specifications
Osnova: EN 490:2011+A1:2017
ICS: 91.060.20, 91.100.30

This European Standard specifies requirements for concrete roofing tiles and fittings for pitched roof coverings and wall cladding and lining.
Concrete roofing tiles and fittings may incorporate surface coatings and glued concrete components.
NOTE 1 Information on surface characteristics is given in Annex A.
NOTE 2 Information on the performance of roof and wall assemblies is given in Annex B.

SIST/TC IMKF Magnetne komponente in feritni materiali

SIST EN 60556:2007/A1:2017
2017-04 (po) (en) 23 str. (F)
Giromagnetne snovi za uporabo pri mikrovalovnih frekvencah - Merilne metode za določene lastnosti - Dopolnilo A1
Gyromagnetic materials intended for application at microwave frequencies Measuring methods for properties
Osnova: EN 60556:2006/A1:2016
ICS: 29.100.10

Dopolnilo A1 je dodatek k standardu SIST EN 60556:2007.
This International Standard describes methods of measuring the properties used to specify polycrystalline microwave ferrites in accordance with IEC 60392 and for general use in ferrite technology. These measuring methods are intended for the investigation of materials, generally referred to as ferrites, for application at microwave frequencies.

SIST EN 61332:2017 SIST EN 61332:2006
2017-04 (po) (en) 13 str. (D)
Klasifikacija mehkoferitnih materialov
Soft ferrite material classification
Osnova: EN 61332:2017
ICS: 29.030

This document specifies classification rules for soft ferrite materials used in inductive components (inductors and transformers) fulfilling the requirements of the electronic industries.
This document addresses the following issues for ferrite suppliers and users:
• cross-reference between materials from multiple suppliers;

• assistance to customers in understanding the published technical data in catalogues when comparing multiple suppliers;
• guidance to customers in selecting the most applicable material for each application;
• setting of nomenclature for IEC standards relating to ferrite;
• establishing uniform benchmarks for suppliers for performance in new development of materials.
The numerical values given in this document are typical values of the parameters (properties) of the related materials. Direct translation from the material specification into the core specification is not always easy or possible.
Every detailed material and core specification should be agreed upon between the user and the manufacturer.

SIST EN 61605:2017 SIST EN 61605:2006
2017-04 (po) (en) 15 str. (D)
Fiksne dušilke za elektronsko in telekomunikacijsko opremo - Označevalne kode
Fixed inductors for use in electronic and telecommunication equipment - Marking codes
Osnova: EN 61605:2017
ICS: 29.180, 01.070

This document specifies marking codes for fixed inductors.
The colour code specified in Clause 3 gives a colour coding for fixed inductors. It is intended for use with the values of the E3 to E24 series as specified in IEC 60063.
The code specified in Clause 4 gives a system for marking inductance values by means of digits and letters.
The code specified in Clause 5 gives a system for marking the tolerance on inductance values by means of letters.
The code specified in Clause 6 gives a system for marking of date codes on fixed inductors by means of letters and digits.

SIST EN 62317-12:2017
2017-04 (po) (en) 18 str. (E)
Feritna jedra - Mere - 12. del: Obročasta jedra
Ferrite cores - Dimensions - Part 12: Ring cores
Osnova: EN 62317-12:2016
ICS: 29.100.10

This part of IEC 62317 specifies the dimensions that are of importance for mechanical interchangeability for a preferred range of ring-cores, also called toroid cores, and the effective parameter values to be used in calculations involving them.
The selection of core sizes for this document is based on the philosophy of including those sizes which are industrial standards, meaning that they are in broad-based use within industry. See IEC 62317-1 for more detail concerning the philosophy of selecting core sizes to be included.

SIST/TC INIR Neionizirna sevanja

SIST EN 50527-1:2017 SIST EN 50527-1:2010
2017-04 (po) (en) 34 str. (H)
Postopek ocenjevanja izpostavljenosti delavcev z aktivnimi medicinskimi vsadki elektromagnetnim poljem - 1. del: Splošno
Procedure for the assessment of the exposure to electromagnetic fields of workers bearing active implantable medical devices - Part 1: General
Osnova: EN 50527-1:2016
ICS: 13.280, 13.100, 11.040.40

This European Standard provides a procedure to assess the risk to workers bearing one or more active implantable medical devices from exposure to electric, magnetic and electromagnetic fields at a workplace. It describes how a general risk assessment should be performed and determines whether it is necessary to carry out a detailed risk assessment.

NOTE 1 This European Standard does not cover indirect effects caused by non active implants.

NOTE 2 The risk of human exposure to EMF considered is only due to malfunctioning of AIMD. Possibilities of AIMD contribution to the risk, e.g. local modification of the distribution of EMF produced by external source or production of own EMF, are covered by the respective product standards for the AIMD. Based on specific workplace standards it can be determined whether preventive measures/actions need to be taken to comply with the provisions of Directive 2013/35/EU. The work situation covered is considered to be under normal working conditions including normal operation, maintenance, cleaning and other situations being part of the normal work.

The frequencies covered are from 0 Hz to 300 GHz.

The European Parliament and Council Directive 2013/35/EU will be transposed into national legislation in all the EU member countries. It is recommended that users of this standard consult the national legislation related to this transposition in order to identify the national regulations and requirements. These national regulations and requirements may have additional requirements that are not covered by this standard and take precedence.

NOTE 3 Performance requirements with respect to active implantable medical devices are excluded from the Scope of this standard. These are defined in the relevant particular standards for active implantable medical devices.

The risk assessment described in this standard is only required if an AIMD-Employee is present.

Active Implantable Medical Devices (AIMDs) are regulated by Directive 90/385/EEC and the amendments to it.

NOTE 4 Product standards EN 45502–1 and of the EN 45502–2-X series describe the product requirements for different kinds of AIMDs. Different kinds of AIMDs are e.g. pacemaker (EN 45502–2–1), implantable cardioverter defibrillators (EN 45502–2–2), cochlear implants (EN 45502–2–3), implantable neurostimulators (ISO 14708-3), implantable infusion pumps (ISO 14708-4).

In situations where the risk assessment following this standard does not lead to a conclusion, complementary provisions for the assessment of workers exposure for different kinds of AIMDs are given in particular standards for these specific AIMDs (see Figure 1).

SIST EN 50527-2-1:2017 SIST EN 50527-2-1:2011

2017-04 (po) (en;fr) 70 str. (K)

Postopek ocenjevanja izpostavljenosti delavcev z aktivnimi medicinskimi vsadki elektromagnetnim poljem - 2-1. del: Specifično ocenjevanje delavcev s srčnimi spodbujevalniki

Procedure for the assessment of the exposure to electromagnetic fields of workers bearing active implantable medical devices - Part 2-1: Specific assessment for workers with cardiac pacemakers

Osnova: EN 50527-2-1:2016

ICS: 13.100, 17.240, 11.040.40

This European Standard provides the procedure for the specific assessment required in EN 50527-1:2016, Annex A, for workers with implanted pacemakers. It offers different approaches for doing the risk assessment. The most suitable one will be used. If the worker has other Active Implantable Medical Devices (AIMDs) implanted additionally, they need to be assessed separately.

The purpose of the specific assessment is to determine the risk for workers with implanted pacemakers arising from exposure to electromagnetic fields at the workplace. The assessment includes the likelihood of clinically significant effects and takes account of both transient and long-term exposure within specific areas of the workplace.

NOTE 1 This standard does not address risks from contact currents.

The techniques described in the different approaches may also be used for the assessment of publicly accessible areas.

The frequency range to be observed is from 0 Hz to 3 GHz. Above 3 GHz no interference with the pacemaker occurs when the exposure limits are not exceeded.

NOTE 2 The rationale for limiting the observation range to 3 GHz can be found in ISO 14117:2012, Clause 5.

SIST EN 62209-1:2017 SIST EN 62209-1:2006
2017-04 (po) (en) 228 str. (S)
Izpostavljenost ljudi elektromagnetnemu sevanju brezžičnih komunikacijskih naprav, ki se držijo v roki ali pritrdijo na telo, modeli človeka, instrumenti in postopki - 1. del: Postopki za ugotavljanje stopnje specifične absorpcije (SAR) za naprave, ki se uporabljajo v bližini ušesa (frekvenčno območje od 300 MHz do 6 GHz)
Human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices human models, instrumentation, and procedures - Part 1: Procedure to determine the specific absorption rate (sar) for devices used next to the ear (frequency range of 300 mhz to 6 ghz)
Osnova: **EN 62209-1:2016**
ICS: **33.070.01, 13.280**

This part of IEC 62209 specifies protocols and test procedures for measurement of the peak spatial-average SAR induced inside a simplified model of the head with defined reproducibility. It applies to certain electromagnetic field (EMF) transmitting devices that are positioned next to the ear, where the radiating structures of the device are in close proximity to the human head, such as mobile phones, cordless phones, certain headsets, etc. These protocols and test procedures provide a conservative estimate with limited uncertainty for the peak-spatial SAR that would occur in the head for a significant majority of people during normal use of these devices. The applicable frequency range is from 300 MHz to 6 GHz.

SIST EN 62226-3-1:2008/A1:2017
2017-04 (po) (en) 7 str. (B)
Izpostavljenost električnim in magnetnim poljem v nizkem in srednjem frekvenčnem obsegu - Metode za izračunavanje trenutne gostote in notranjega induciranega električnega polja v človeškem telesu - 3-1. del: Izpostavljenost električnim poljem - Analitični in numerični 2D modeli
Exposure to electric or magnetic fields in the low and intermediate frequency range - Methods for calculating the current density and internal electric field induced in the human body - Part 3-1: Exposure to electric fields - Analytical and 2D numerical models
Osnova: **EN 62226-3-1:2007/A1:2017**
ICS: **17.220.20**

Dopolnilo A1 je dodatek k standardu SIST EN 62226-3-1:2008.
This part of IEC 62226 applies to the frequency range for which exposure limits are based on the induction of voltages or currents in the human body when exposed to electric fields. This part defines in detail the coupling factor K - introduced by the IEC 62226 series to enable exposure assessment for complex exposure situations, such as non-uniform magnetic field or perturbed electric field - for the case of simple models of the human body, exposed to uniform electric fields. The coupling factor K has different physical interpretations depending on whether it relates to electric or magnetic field exposure. It is the so called "shape factor for electric field". This part of IEC 62226 can be used when the electric field can be considered to be uniform, for frequencies up to at least 100 kHz. This situation of exposure to a "uniform" electric field is mostly found in the vicinity of high voltage overhead power systems. For this reason, illustrations given in this part are given for power frequencies (50 Hz and 60 Hz).

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

SIST EN 1253-5:2017 SIST EN 1253-5:2004
2017-04 (po) (en;fr;de) 9 str. (C)
Odtoki v stavbah - 5. del: Odtoki z zaporo lahkih tekočin
Gullies for buildings - Part 5: Gullies with light liquids closure
Osnova: **EN 1253-5:2017**
ICS: **91.140.80**

This draft European Standard specifies requirements for the design, construction, performance, application and marking as well as test methods of factory made gullies with a light liquid closure for buildings.
Light liquid closures for buildings shall be applied to avoid uncontrolled discharge of light liquids into drainage systems in case of emergency.
This draft European Standard does not apply to installations for separation of light liquids covered by EN 858-1.

SIST/TC IPMA Polimerni materiali in izdelki

SIST EN 13206:2017 SIST EN 13206:2002
2017-04 (po) (en;fr;de) 52 str. (J)
Polimerni materiali - Prekrivne plastomerne folije za uporabo v kmetijstvu in vrtnarstvu - Zahteve in preskusne metode, pogoji za namestitev, uporabo in odstranjevanje
Plastics - Thermoplastic covering films for use in agriculture and horticulture - Requirements and test methods, conditions for installation, use and removal
Osnova: EN 13206:2017
ICS: 83.140.10, 65.040.30

This European Standard specifies the requirements related to dimensional, mechanical, optical and thermal characteristics of thermoplastic films used for covering permanent or temporary greenhouses and walking tunnels and low tunnels used for forcing and semi-forcing vegetable, fruit and flower crops.
Lay-flat perforated cover films are also in the scope of this European Standard.
It specifies a classification for the durability of covering films and the test methods referred to in this standard.
This European Standard specifies also test methods for the determination of the chlorine and sulfur contents of films subjected to use.
This European Standard is applicable to thermoplastic covering films used in agriculture and horticulture in Europe, in the thickness range 20 μm up to more than 250 μm, based on polyethylene and/or ethylene copolymers materials, of the following types: non-thermal films, thermal clear films and thermal diffusing films.
This European Standard also defines guidance for installation, use and disposal of covering films. It defines the conventional expected lifetime, as well as rules that allow evaluating the remaining use potential in the event of a failure before the normal end-of-use date.
NOTE These rules allow estimating the residual value of the films. These provisions only apply to the film itself and the damage it has undergone. Any other problem falls within the scope of professional practices and the general terms and conditions of sale.

SIST EN 15416-1:2017
2017-04 (po) (en;fr;de) 14 str. (D)
Lepila (razen fenolnih ali aminskih) za nosilne lesene konstrukcije - Preskusne metode - 1. del: Dolgoročna preskusna napetostna obremenitev pravokotno na vezavo pri različnih podnebnih razmerah s preskušanci pravokotno na lepilno linijo (preskus Glasshouse)
Adhesives for load bearing timber structures other than phenolic and aminoplastic - Test methods - Part 1: Long-term tension load test perpendicular to the bond line at varying climate conditions with specimens perpendicular to the glue line (Glasshouse test)
Osnova: EN 15416-1:2017
ICS: 91.080.20, 83.180

This European Standard specifies a method of determining the ability of adhesive bonds to resist long-term sustained load applied vertical to the glue lines. It is applicable to adhesives used in load-bearing timber structures.
It is suitable for the following applications:
a) for assessing the compliance of adhesives according to EN 15425 and EN 16254;

b) for assessing the suitability and quality of adhesives for load-bearing timber structures;
c) for assessing the effect on the bond strength resulting from long-term sustained load at cyclic climate conditions.
This method is intended primarily to obtain performance data for the classification of adhesives for load bearing timber structures according to their suitability for use in defined climatic environments.
This method is not intended to provide data for structural design, and does not necessarily represent the performance of the bonded member in service.

SIST EN 15416-3:2017 SIST EN 15416-3:2008+A1:2010
2017-04 (po) (en;fr;de) 13 str. (D)
Lepila (razen fenolnih ali aminskih) za nosilne lesene konstrukcije - Preskusne metode - 3. del: Preskus deformacij lezenja v cikličnih klimatskih pogojih s preskušanci pod upogibno-strižno obremenitvijo
Adhesives for load bearing timber structures other than phenolic and aminoplastic - Test methods - Part 3: Creep deformation test at cyclic climate conditions with specimens loaded in bending shear
Osnova: EN 15416-3:2017
ICS: 91.080.20, 83.180

This European Standard specifies a method for determining the creep deformation of bonded specimens loaded in bending shear. It is applicable to adhesives used in load bearing timber structures.
It is suitable for the following applications:
a) for assessing the compliance of adhesives to EN 15425 and EN 16254;
b) for assessing the suitability and quality of adhesives for load bearing timber structures.
This test is intended primarily to obtain performance data for the classification of adhesives for load bearing timber structures according to their suitability for use in defined climatic environments.
This method is not intended to provide data for structural design, and does not necessarily represent the performance of the bonded member in service.

SIST EN 15416-4:2017 SIST EN 15416-4:2006
2017-04 (po) (en;fr;de) 9 str. (C)
Lepila (razen fenolnih ali aminskih) za nosilne lesene konstrukcije - Preskusne metode - 4. del: Ugotavljanje odprtega časa pri referenčnih pogojih
Adhesives for load bearing timber structures other than phenolic and aminoplastic - Test methods - Part 4: Determination of open assembly time under referenced conditions
Osnova: EN 15416-4:2017
ICS: 91.080.20, 83.180

This European Standard specifies a laboratory method of determining the open assembly time in a standard atmosphere [20/65].
This European Standard is intended to determine the open assembly time using a defined procedure for obtaining a reliable base for comparison of open assembly time between adhesives under referenced conditions.
The method gives a result that cannot be applied to the safe manufacture of timber structures without taking into account the influence of factors such as timber density, moisture content, factory temperature and relative air humidity.

SIST EN 15416-5:2017 SIST EN 15416-5:2006
2017-04 (po) (en;fr;de) 10 str. (C)
Lepila (razen fenolnih ali aminskih) za nosilne lesene konstrukcije - Preskusne metode - 5. del: Ugotavljanje najkrajšega časa stiskanja pri referenčnih pogojih
Adhesives for load bearing timber structures other than phenolic and aminoplastic - Test methods - Part 5: Determination of minimum pressing time under referenced conditions
Osnova: EN 15416-5:2017
ICS: 91.080.20, 83.180

This European Standard specifies a laboratory method of determining the minimum pressing time for two glue line thicknesses, close contact and 0,2 mm or 0,3 mm, at three temperatures and three wood moisture contents.
This European Standard is intended to determine the minimum pressing time using a defined procedure for obtaining a reliable base for comparison of minimum pressing time between adhesives under referenced conditions.
The method gives a result that cannot be applied to the safe manufacture of timber structures without taking into account the influence in variation of factors such as timber density, moisture content, factory temperature and relative air humidity.

SIST EN 302-8:2017 SIST EN 15416-2:2008
2017-04 (po) (en;fr;de) 15 str. (D)
Lepila za nosilne lesene konstrukcije - Preskusne metode - 8. del: Preskus statične obremenitve preskušancev z več lepljenimi spoji pri tlačni strižni obremenitvi
Adhesives for load-bearing timber structures - Test methods - Part 8: Static load test of multiple bond line specimens in compression shear
Osnova: EN 302-8:2017
ICS: 91.080.20, 83.180

This European Standard specifies a method of determining the ability of adhesive bonds to resist static load. It is applicable to adhesives used in load bearing timber structures.
It is suitable for the following applications:
a) for assessing the compliance of adhesives according to EN 301, EN 15425 and EN 16254;
b) for assessing the suitability and quality of adhesives for load-bearing timber structures;
c) for assessing the effect on the bond strength resulting from constant load at different climate conditions.
This method is intended primarily to obtain performance data for the classification of adhesives for load bearing timber structures according to their suitability for use in defined climatic environments.
This method is not intended to provide data for structural design, and does not necessarily represent the performance of the bonded member in service.

SIST EN ISO 177:2017 SIST EN ISO 177:2000
2017-04 (po) (en;fr;de) 12 str. (C)
Polimerni materiali - Določevanje migracije mehčal (ISO 177:2016)
Plastics - Determination of migration of plasticizers (ISO 177:2016)
Osnova: EN ISO 177:2017
ICS: 83.080.01

This document specifies a method for the determination of the tendency of plasticizers to migrate from plastics in which they are contained into other materials or other plastics when they are brought into close contact.
NOTE 1 The surfaces into which the migration can proceed can also consist of organic surface coatings, such as lacquers.
This test is suitable
a) for evaluating the tendency displayed by plastics, particularly in the form of films and sheets, to

lose certain of their liquid constituents when they are brought into contact with materials that have an affinity for plasticizers, and
b) for studying the tendency to migrate of plasticizers contained in a resin or a series of resins, in one or more concentrations.
In case b), standard compounds are prepared on the basis of a well-characterized resin with welldefined ratios of plasticizer to resin.
NOTE 2 When the absorbent sheets themselves contain a substance capable of migrating, simultaneous migrations can occur from the test specimens into the absorbent sheets and vice versa.
The results may also be affected by the migration of other constituents of the plastic material (for example, oligomers) or by the loss of any volatile constituents other than plasticizers from the plastic material or the absorbent layer.

SIST EN ISO 6134:2017 SIST EN ISO 6134:2005
2017-04 (po) (en) 19 str. (E)
Gumene cevi in cevni priključki za nasičeno paro - Specifikacija (ISO 6134:2017)
Rubber hoses and hose assemblies for saturated steam - Specification (ISO 6134:2017)
Osnova: EN ISO 6134:2017
ICS: 23.040.70

This document specifies requirements for two types of hoses and hose assemblies, low pressure with a maximum working pressure of 6 bar and high pressure with a maximum working pressure of 18 bar, made of rubber and hose fittings made of metal, designed to convey saturated steam and hot water condensate.
Each type is divided into two classes having either an oil resistant or non-oil resistant cover.

SIST/TC ISEL Strojni elementi

SIST EN ISO 14405-3:2017
2017-04 (po) (en;fr;de) 30 str. (G)
Specifikacija geometrijskih veličin izdelka (GPS) - Tolerance dimenzij - 3. del: Velikosti kotov (ISO 14405-3:2016)
Geometrical product specifications (GPS) - Dimensional tolerancing - Part 3: Angular sizes (ISO 14405-3:2016)
Osnova: EN ISO 14405-3:2017
ICS: 17.040.40, 17.040.10

This part of ISO 14405 establishes the default specification operator for angular size and defines a number of special specification operators for features of size with angular size (e.g. wedges or cones).
This part of ISO 14405 also defines the specification modifiers and the drawing indications for these angular sizes.

SIST EN ISO 1660:2017 SIST EN ISO 1660:2000
2017-04 (po) (en;fr;de) 55 str. (J)
Specifikacija geometrijskih veličin izdelka (GPS) - Toleriranje geometrijskih veličin - Toleriranje profilov (ISO 1660:2017)
Geometrical product specifications (GPS) - Geometrical tolerancing - Profile tolerancing (ISO 1660:2017)
Osnova: EN ISO 1660:2017
ICS: 17.040.40, 17.040.10, 01.100.01

This document gives the rules for geometrical specifications of integral and derived features, using the line profile and surface profile characteristic symbols as defined in ISO 1101.

SIST EN ISO 16610-30:2017
2017-04 (po) (en;fr;de) 23 str. (F)
Specifikacija geometrijskih veličin izdelka (GPS) - Filtriranje - 30. del: Robustni filtrni profil: osnovni pojmi (ISO 16610-30:2015)
Geometrical product specifications (GPS) - Filtration - Part 30: Robust profile filters: Basic concepts (ISO 16610-30:2015)
Osnova: EN ISO 16610-30:2017
ICS: 17.040.40, 17.040.20

This part of ISO 16610 specifies the basic concepts of robust profile filters.

SIST EN ISO 1938-2:2017
2017-04 (po) (en;fr;de) 19 str. (E)
Specifikacija geometrijskih veličin izdelka (GPS) - Oprema za merjenje dimenzij - 2. del: Referenčne mere diskov (ISO 1938-2:2017)
Geometrical product specifications (GPS) - Dimensional measuring equipment - Part 2: Reference disk gauges (ISO 1938-2:2017)
Osnova: EN ISO 1938-2:2017
ICS: 17.040.40, 17.040.30

This part of ISO 1938 specifies the most important metrological and design characteristics of reference disk gauges. This part of ISO 1938 covers linear sizes of the gauge up to 500 mm.

SIST/TC ITC Informacijska tehnologija

SIST EN 15876-1:2017 SIST EN 15876-1:2010+A1:2012
2017-04 (po) (en;fr;de) 130 str. (O)
Elektronsko pobiranje pristojbin - Vrednotenje skladnosti opreme v vozilu in v obcestni napravi s standardom EN 15509 - 1. del: Zgradba preskuševalnega niza in namen preskušanja
Electronic fee collection - Conformity evaluation of on-board and roadside equipment to EN 15509 - Part 1: Test suite structure and test purposes
Osnova: EN 15876-1:2016
ICS: 43.040.15, 03.220.20, 35.240.60

The objective of this document is to provide a basis for conformance tests for DSRC equipment (on board units and roadside units) to support interoperability between different equipment supplied by different manufacturers.

SIST EN 15876-2:2017 SIST EN 15876-2:2011
2017-04 (po) (en;fr;de) 21 str. (F)
Elektronsko pobiranje pristojbin - Vrednotenje skladnosti opreme v vozilu in v obcestni napravi s standardom EN 15509 - 2. del: Abstraktni preskuševalni niz
Electronic fee collection - Evaluation of on-board and roadside equipment for conformity to EN 15509 - Part 2: Abstract test suite
Osnova: EN 15876-2:2016
ICS: 43.040.15, 03.220.20, 35.240.60

This European Standard specifies the abstract test suite (ATS) to evaluate the conformity of on-board equipment (OBE) and roadside equipment (RSE) to EN 15509 in accordance with the test suite structure and test purposes defined in EN 15876-1:2016.
The objective of the present document is to provide a basis for conformance tests for DSRC equipment (OBE and RSE) to support interoperability between different equipment supplied by different manufacturers.

SIST EN ISO 13140-1:2017 SIST-TS CEN ISO/TS 13140-1:2011
2017-04 (po) (en;fr;de) 46 str. (I)
Elektronsko pobiranje pristojbin - Vrednotenje skladnosti opreme v vozilu in obcestni napravi s standardom ISO 13141 - 1. del: Zgradba preskuševalnega niza in namen preskušanja (ISO 13140-1:2016)
Electronic fee collection - Evaluation of on-board and roadside equipment for conformity to ISO 13141 - Part 1: Test suite structure and test purposes (ISO 13140-1:2016)
Osnova: **EN ISO 13140-1:2016**
ICS: **43.040.15, 35.240.60, 03.220.20**

This document specifies the test suite structure (TSS) and test purposes (TP) to evaluate the conformity of on-board units (OBU) and roadside equipment (RSE) to ISO 13141.
It provides a basis for conformance tests for dedicated short-range communication (DSRC) equipment (on-board units and roadside units) to enable interoperability between different equipment supplied by different manufacturers.

SIST EN ISO 13140-2:2017 SIST-TS CEN ISO/TS 13140-2:2012
2017-04 (po) (en;fr;de) 23 str. (F)
Elektronsko pobiranje pristojbin - Ugotavljanje skladnosti opreme v vozilu in obcestni napravi s standardom EN ISO 13141 - 2. del: Abstraktni preskuševalni niz (ISO 13140-2:2016)
Electronic fee collection - Evaluation of on-board and roadside equipment for conformity to EN ISO 13141 - Part 2: Abstract test suite (ISO 13140-2:2016)
Osnova: **EN ISO 13140-2:2016**
ICS: **43.040.15, 35.240.60, 03.220.20**

This document specifies the abstract test suite (ATS) to evaluate the conformity of on-board equipment (OBE) and roadside equipment (RSE) to ISO 13141:2015 in accordance with the test suite structure and test purposes defined in ISO 13140-1:2016.
It provides a basis for conformance tests for dedicated short-range communication (DSRC) equipment (OBE and RSE) to support interoperability between different equipment supplied by different manufacturers.
NOTE The OBE and RSE are subject to additional testing in order to ascertain that they fulfil the essential radio requirements as set out in European Directives, a pre-requisite for CE marking and placing on the European market. They are also likely to be subject to additional testing of physical, environmental endurance, quality assurance and control at manufacturing, charge point integration, as part of factory, site and system acceptance testing. The definition of these tests is outside the scope of this document.

SIST EN ISO 13143-1:2017 SIST-TS CEN ISO/TS 13143-1:2011
2017-04 (po) (en;fr;de) 65 str. (K)
Elektronsko pobiranje pristojbin - Ugotavljanje skladnosti opreme v vozilu in obcestni napravi s standardom ISO 12813 - 1. del: Zgradba preskuševalnega niza in namen preskušanja (ISO 13143-1:2016)
Electronic fee collection - Evaluation of on-board and roadside equipment for conformity to ISO 12813 - Part 1: Test suite structure and test purposes (ISO 13143-1:2016)
Osnova: **EN ISO 13143-1:2016**
ICS: **43.040.15, 35.240.60, 03.220.20**

This document specifies the test suite structure (TSS) and test purposes (TP) to evaluate the conformity of on-board units (OBU) and roadside equipment (RSE) to ISO 12813:2015.
It provides a basis for conformance tests for dedicated short-range communication (DSRC) equipment (on-board units and roadside units) to enable interoperability between different equipment supplied by different manufacturers.

SIST EN ISO 13143-2:2017 SIST-TS CEN ISO/TS 13143-2:2011
2017-04 (po) (en;fr;de) 23 str. (F)
Elektronsko pobiranje pristojbin - Ugotavljanje skladnosti opreme v vozilu in obcestni napravi s tehnično specifikacijo ISO 12813 - 2. del: Abstraktni preskuševalni niz (ISO 13143-2:2016)
Electronic fee collection - Evaluation of on-board and roadside equipment for conformity to ISO 12813 - Part 2: Abstract test suite (ISO 13143-2:2016)
Osnova: EN ISO 13143-2:2016
ICS: 43.040.15, 35.240.60, 03.220.20

This document specifies the abstract test suite (ATS) to evaluate the conformity of on-board equipment (OBE) and roadside equipment (RSE) to ISO 12813 in accordance with the test suite structure and test purposes defined in ISO 13143-1:2016.
It provides a basis for conformance tests for dedicated short-range communication (DSRC) equipment (OBE and RSE) to enable interoperability between equipment supplied by different manufacturers. In order to ascertain that OBE and RSE fulfil essential radio requirements, they are also likely to be subject to additional factory, site and system acceptance testing (e.g. of physical and environmental endurance, quality assurance and control at manufacturing, and charge point integration), which is outside the scope of this document.
NOTE For example, within the European market, the essential radio requirements are set out in European Directives, compliance with which is a prerequisite for CE marking and placing on the European market.

SIST-TS CEN ISO/TS 14907-2:2017 SIST-TS CEN ISO/TS 14907-2:2011
2017-04 (po) (en;fr;de) 83 str. (M)
Elektronsko pobiranje pristojbin - Postopki za preskušanje opreme - 2. del: Preskus skladnosti za aplikacijski vmesnik vgrajene enote za elektronsko cestninjenje (ISO/TS 14907-2:2016)
Electronic fee collection - Test procedures for user and fixed equipment - Part 2: Conformance test for the on-board unit application interface (ISO/TS 14907-2:2016)
Osnova: CEN ISO/TS 14907-2:2016
ICS: 43.040.15, 35.240.60

This part of ISO/TS 14907 describes tests that verify on-board unit (OBU) conformance of implementations of functions and data structures, as defined in the implementation conformance statement based on ISO 14906:2011/Amd1:2015, for electronic fee collection (EFC) applications. After the tests of isolated data items and functions (C.2 to C.4), an example is given for testing of a complete EFC transaction (C.3).
The scope of this part of ISO/TS 14907 comprises definitions of OBU conformance assessment tests of
— basic dedicated short-range communication (DSRC) L7 functionality,
— EFC application functions,
— EFC attributes (i.e. EFC application information),
— the addressing procedures of EFC attributes and (hardware) components [e.g. integrated circuit cards (ICC) and man-machine interfaces (MMI)],
— the EFC transaction model, which defines the common elements and steps of any EFC transaction, and
— the behaviour of the interface so as to support interoperability on an EFC-DSRC application interface level, see Figure 1.

SIST-TS CEN/TS 16986:2017
2017-04 (po) (en;fr;de) 135 str. (O)
Elektronsko pobiranje pristojbin - Interoperabilni profili aplikacije za informativno izmenjavo med ponudnikom storitve in operaterjem cestninjenja
Electronic Fee Collection - Interoperable application profiles for information exchange between Service Provision and Toll Charging
Osnova: CEN/TS 16986:2016
ICS: 35.240.60

This Technical Specification defines an application interface definition by selecting suitable options from the base standard ISO 12855:2015. Furthermore, it defines transfer mechanisms [illegible] and supporting functions to ensure the interoperability between TCs and TSPs, [illegible]

This Technical Specification covers: [illegible]

• exchange of information between the central equipment associated with the toll services, [illegible]

[illegible]

• charging related data (exception lists, EFC context data, toll declarations, billing details, payment claims) [illegible]

• administrative data (trust objects, EFC context data, contact details, [illegible]

• confirmation data [illegible]

• transfer mechanisms and supporting functions [illegible]

• semantics of data elements; [illegible]

• implementation conformance statement proforma (Annex A) as a basis for assessment of conformity to this Technical Specification; [illegible]

• an Interoperability statement proforma (Annex B), as a basis for assessment of interoperability of two implementations; [illegible]

• a web service definition (Annex C) for the use of web services as communication technology [illegible]

The implementation of the underlying back office systems and their business processes is not [illegible]

[illegible]

• [illegible] how to achieve security using the authenticator data elements of the base standards;

• how to operate [illegible] and the enforcement process;

• definition of [illegible];

• definition of non-functional features such as performance indicators like accuracy, availability and reporting requirements.

This Technical Specification further provides an assessment of support of the EETS (Annex D) and an explanation how to read the UML diagrams that are used (Annex E).

SIST/TC ITEK Tekstil in tekstilni izdelki

SIST EN ISO 14362-1:2017 SIST EN 14362-1:2012

2017-04 (po) (sl;en;fr) 33 str. (H)

Tekstilije - Metode za določevanje nekaterih aromatskih aminov, izvirajočih iz azo barvil - 1. del: Zaznavanje prisotnosti določenih azo barvil, dostopnih z ekstrahiranjem vlaken in brez njega (ISO 24362-1:2017)

Textiles - Methods for determination of certain aromatic amines derived from azo colorants - Part 1: Detection of the use of certain azo colorants accessible with and without extracting the fibres (ISO 24362-1:2017)

Osnova: EN ISO 14362-1:2017

ICS: 59.080.01

This part of ISO 24362 describes a procedure to detect the use of certain azo colorants that may not be used in the manufacture or treatment of certain commodities made of textile fibres and that are accessible to a reducing agent with and without extraction.

Azo colorants accessible to a reducing agent without extraction are those used to dye:

— cellulosic fibres (e.g. cotton, viscose);

— protein fibres (e.g. wool, silk);

— synthetic fibres (e.g. polyamide, acrylic).

Azo colorants accessible with extraction are those used to dye man-made fibres with disperse dyes. The following man-made fibres can be dyed with disperse dyes: polyester, polyamide, acetate, triacetate, acrylic, modacrylic, aramid and chlorofibre.

For certain commodities made of cellulose and/or protein fibres blended with man-made fibres it is necessary to extract the dye first.

The method is relevant for all coloured textiles, e.g. dyed, printed and coated textiles.

SIST EN ISO 14362-3:2017 SIST EN 14362-3:2012
2017-04 (po) (en;fr;de) 23 str. (F)
Tekstilije - Metode za določevanje nekaterih aromatskih aminov, izvirajočih iz azo barvil - 3. del: Zaznavanje prisotnosti določenih azo barvil, ki lahko sproščajo 4-aminoazobenzen (ISO 14362-3:2017)
Textiles - Methods for determination of certain aromatic amines derived from azo colorants - Detection of the use of certain azo colorants, which may release 4-aminoazobenzene (ISO 14362-3:2017)
Osnova: **EN ISO 14362-3:2017**
ICS: **59.080.01**

Azo colorants that are able to form 4-aminoazobenzene, generate under the conditions of ISO 14362-1, the amines aniline and 1,4-phenylenediamine. The presence of these 4-aminoazobenzene colorants cannot be reliably ascertained without additional information (e.g. the chemical structure of the colorant used) or without a special procedure.
This document is supplementary to ISO 14362-1 and describes a special procedure to detect the use, in commodities, of certain azo colorants, which may release 4-aminoazobenzene, and that are
— accessible to reducing agent without extraction, particularly concerning textiles made of cellulose and protein fibres (e.g. cotton, viscose, wool, silk), and
— accessible by extracting the fibres (e.g. polyester or imitation leather).
For certain fibre blends, in 9.3 and 9.4 (with and without extraction) may need to be applied.
The procedure also detects 4-aminoazobenzene (Solvent Yellow 1), which is already available as free amine in commodities without reducing pre-treatment.
The use of certain azo colorants, which may release, by reductive cleavage of their azo group(s), one or more of the other aromatic amines listed in the Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) as regards Annex XVII, except 4-aminoazobenzene, cannot be determined quantitatively with this method.

SIST/TC ITIV Tiskana vezja in ravnanje z okoljem

SIST EN 61189-2-719:2017
2017-04 (po) (en) 23 str. (F)
Preskusne metode za električne materiale, tiskana vezja in druge povezovalne strukture in sestave - 2-719. del: Preskusne metode za tiskana vezja in montažni material - Relativna permitivnost in tangenta izgub (500 MHz do 10 GHz)
Test methods for electrical materials, printed board and other interconnection structures and assemblies - Part 2-719: Test methods for printed board and assembly materials - Relative permittivity and loss tangent (500MHz to 10GHz)
Osnova: **EN 61189-2-719:2016**
ICS: **31.190, 31.180**

This part of IEC 61189 specifies a test method of relative permittivity and loss tangent of printed board and assembly materials, expected to be determined 2 to 10 of relative permittivity and 0,001 to 0,050 of loss tangent at 500 MHz to 10 GHz.

SIST EN 62739-2:2017
2017-04 (po) (en) 19 str. (E)
Preskusna metoda za opremo za valovno spajkanje, ki uporablja staljeno spajkalno zlitino brez svinca - 2. del: Metoda z erozijskim preskušanjem kovinskih materialov s površinsko obdelavo
Test method for erosion of wave soldering equipment using molten lead-free solder alloy - Part 2: Erosion test method for metal materials with surface processing
Osnova: **EN 62739-2:2016**
ICS: **25.160.50**

This part of IEC 62739 provides an evaluating test method for the erosion of the metallic materials with surface processing intended to be used for lead-free wave soldering equipment as a solder bath and other components which are in contact with the molten solder. It aims at prevention of an accident or a fire by predicting a setup and life of a suitable maintenance cycle.

SIST/TC IUSN Usnje

SIST EN ISO 4044:2017 SIST EN ISO 4044:2008
2017-04 (po) (en;fr;de) 11 str. (C)
Usnje - Kemijski preskusi - Priprava vzorcev za kemijske preskuse (ISO 4044:2017)
Leather - Chemical tests - Preparation of chemical test samples (ISO 4044:2017)
Osnova: EN ISO 4044:2017
ICS: 59.140.30

This document specifies how to prepare a test sample of leather for chemical analysis. The test sample can be either ground or cut into small pieces. Unless specified in this document, the method to be used depends on the size of leather sample available for testing.

SIST/TC IŽNP Železniške naprave

SIST EN 13481-2:2012+A1:2017 SIST EN 13481-2:2012
SIST EN 13481-2:2012/AC:2014
SIST EN 13481-2:2012/FprA1:2016
2017-04 (po) (en;fr;de) 19 str. (E)
Železniške naprave - Zgornji ustroj - Zahteve za izdelavo pritrdilnih sistemov - 2. del: Pritrdilni sistemi za betonske prage
Railway applications - Track - Performance requirements for fastening systems - Part 2: Fastening systems for concrete sleepers
Osnova: EN 13481-2:2012+A1:2017
ICS: 93.100

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

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

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

SIST EN 13481-5:2012+A1:2017 SIST EN 13481-5:2012
SIST EN 13481-5:2012/kFprA1:2016

2017-04 (po) (en;fr;de) 19 str. (E)

Železniške naprave - Zgornji ustroj - Zahteve za izdelavo pritrdilnih sistemov - 5. del: Pritrdilni sistemi za tir s tirnico na površini plošče ali s tirnico, vgrajeno v ploščo

Railway applications - Track - Performance requirements for fastening systems - Part 5: Fastening systems for slab track with rail on the surface or rail embedded in a channel

Osnova: EN 13481-5:2012+A1:2017

ICS: 93.100

This European Standard is applicable to fastening systems in Categories A - D as specified in EN 13481 1:2012, 3.1, for attaching rails to the uppermost surface of concrete or asphalt slabs and for embedded rails in non-ballasted tracks with maximum axle loads and minimum curve radii in accordance with Table 1.

Table 1 - Fastening category criteria

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

NOTE The maximum axle load for Categories A and B does not apply to maintenance vehicles.

The requirements apply to:

- fastening systems which act on the foot and/or web of the rail including direct fastening systems and in direct fastening systems;
- adhesive and mechanical fastening systems for embedded rail, but excluding rail cast into road pavements.

In track forms in which there are resiliently supported concrete elements with only one supporting element per rail (e.g. rail seat blocks or sleepers mounted in elastomeric - "boots") the concrete element and its resilient support are considered to be parts of the elastic fastening system. If the track form includes resiliently supported concrete elements with more than one supporting element per rail (e.g. floating slabs) those concrete elements and their resilient supports are considered to be parts of the slab and not of the fastening system.

This standard is only applicable to fastening systems for rail sections in EN 13674-1 (excluding 49E4) or EN 13674 4. It is not applicable to fastening systems for other rail sections, rigid fastening systems or special fastening systems used at bolted joints or glued joints.

This standard should only be used for type approval of complete fastening systems.

SIST/TC KAT Kakovost tal

SIST EN 1482-3:2017

2017-04 (po) (en;fr;de) 16 str. (D)

Gnojila in sredstva za apnjenje - Vzorčenje in priprava vzorcev - 3. del: Vzorčenje statičnih kupov

Fertilizers and liming materials - Sampling and sample preparation - Part 3: Sampling of static heaps

Osnova: EN 1482-3:2016

ICS: 65.080

This document is applicable to the sampling of fertilizers or liming materials supplied or ready for supply to third parties, as a lot or in smaller lots where such supply or readiness for supply is subject to legal requirements.

This document specifies plans and methods of sampling of a lot of solid fertilizers or liming materials, if sampling in motion is not possible, to obtain samples for chemical analysis from

static bulk heaps in order to ascertain compliance with legal requirements in particular in relation to the accuracy of compulsory or permitted statutory declarations.
The document is applicable to single nutrient fertilizers, to uniform complex fertilizers and to milled or granulated liming materials.
The methods described in this document are not suitable for sampling blended fertilizers.
NOTE The term 'fertilizer' is used throughout the body of this European Standard and includes liming materials unless otherwise indicated.

SIST EN 14984:2017 SIST EN 14984:2006
2017-04 (po) (en;fr;de) 31 str. (G)
Sredstva za apnjenje - Določevanje vpliva sredstva za apnjenje na pH tal - Inkubacijska metoda
Liming materials - Determination of product effect on soil pH - Soil incubation method
Osnova: EN 14984:2016
ICS: 65.080

This European Standard specifies two methods of measuring the effect of the addition of any material claimed to have a liming effect on the soil, using the same basic principles. Method A measures the changes to the soil pH resulting from the addition of any material claimed to have a liming effect on a standard soil, measured over a period of one month. Method B assesses the efficiency of any material claimed to have a liming effect, using a range of defined soils and measured over a period of up to 2,5 years. These methods allow comparison of products under controlled climatic conditions but do not replace field experiments. The methods are not applicable to mineral products coarser than 6,3 mm for method A or 20 mm for method B.

SIST EN 16170:2017 SIST-TS CEN/TS 16170:2013
2017-04 (po) (en;fr;de) 25 str. (F)
Blato, obdelani biološki odpadki in tla - Določevanje elementov z optično emisijsko spektrometrijo z induktivno sklopljeno plazmo (ICP/OES)
Sludge, treated biowaste and soil - Determination of elements using inductively coupled plasma optical emission spectrometry (ICP-OES)
Osnova: EN 16170:2016
ICS: 71.040.50, 13.030.20, 13.080.10

This European Standard specifies a method for the determination of the following elements in aqua regia, nitric acid digest solutions of sludge, treated biowaste and soil: Aluminium (Al), antimony (Sb), arsenic (As), barium (Ba), beryllium (Be), bismuth (Bi), boron (B), cadmium (Cd), calcium (Ca), chromium (Cr), cobalt (Co), copper (Cu), gallium (Ga), indium (In), iron (Fe), lead (Pb), lithium (Li), magnesium (Mg), manganese (Mn), mercury (Hg), molybdenum (Mo), nickel (Ni), phosphorus (P), potassium (K), selenium (Se), silicon (Si), silver (Ag), sodium (Na), strontium (Sr), sulfur (S), thallium (Tl), tin (Sn), titanium (Ti), tungsten (W), uranium (U), vanadium (V), zinc (Zn) and zirconium (Zr).
The method has been validated for the elements given in Table A.1. The method is applicable for the other elements listed above, provided the user has verified the applicability.

SIST EN 16171:2017 SIST-TS CEN/TS 16171:2013
2017-04 (po) (en;fr;de) 25 str. (F)
Blato, obdelani biološki odpadki in tla - Določevanje elementov z masno spektrometrijo z induktivno sklopljeno plazmo (ICP/MS)
Sludge, treated biowaste and soil - Determination of elements using inductively coupled plasma mass spectrometry (ICP-MS)
Osnova: EN 16171:2016
ICS: 71.040.50, 13.030.20, 13.080.10

This European Standard specifies a method for the determination of the following elements in aqua regia or nitric acid digests of sludge, treated biowaste and soil:

Aluminium (Al), antimony (Sb), arsenic (As), barium (Ba), beryllium (Be), bismuth (Bi), boron (B), cadmium (Cd), calcium (Ca), cerium (Ce), cesium (Cs), chromium (Cr), cobalt (Co), copper (Cu), dysprosium (Dy), erbium (Er), europium (Eu), gadolinium (Gd), gallium (Ga), germanium (Ge), gold (Au), hafnium (Hf), holmium (Ho), indium (In), iridium (Ir), iron (Fe), lanthanum (La), lead (Pb), lithium (Li), lutetium (Lu), magnesium (Mg), manganese (Mn), mercury (Hg), molybdenum (Mo), neodymium (Nd), nickel (Ni), palladium (Pd), phosphorus (P), platinum (Pt), potassium (K), praseodymium (Pr), rhenium (Re), rhodium (Rh), rubidium (Rb), ruthenium (Ru), samarium (Sm), scandium (Sc), selenium (Se), silicon (Si), silver (Ag), sodium (Na), strontium (Sr), sulfur (S), tellurium (Te), terbium (Tb), thallium (Tl), thorium (Th), thulium (Tm), tin (Sn), titanium (Ti), tungsten (W), uranium (U), vanadium (V), ytterbium(Yb), yttrium (Y), zinc (Zn), and zirconium (Zr).
The working range depends on the matrix and the interferences encountered.
The method detection limit of the method is between 0,1 mg/kg dry matter and 2,0 mg/kg dry matter for most elements. The limit of detection will be higher in cases where the determination is likely to be interfered (see Clause 4) or in case of memory effects (see e.g. 8.3 of EN ISO 17294-1:2006).
The method has been validated for the elements given in Table A.1 (sludge), Table A.2 (compost) and Table A.3 (soil). The method is applicable for the other elements listed above, provided the user has verified the applicability.

SIST EN 16175-1:2017 SIST-TS CEN/TS 16175-1:2013
2017-04 (po) (en;fr;de) 13 str. (D)
Blato, obdelani biološki odpadki in tla - Določevanje živega srebra - 1. del: Metoda atomske absorpcijske spektrometrije s tehniko hladnih par (CV-AAS)
Sludge, treated biowaste and soil - Determination of mercury - Part 1: Cold-vapour atomic absorption spectrometry (CV-AAS)
Osnova: **EN 16175-1:2016**
ICS: **71.040.50, 13.030.20, 13.080.10**

This European Standard specifies a method for the determination of mercury in aqua regia or nitric acid digests of sludge, treated biowaste and soil, obtained according to EN 16173 or EN 16174 using cold-vapour atomic absorption spectrometry (CV-AAS). The lower working range limit is 0,03 mg/kg (dry matter basis).

SIST EN 16175-2:2017 SIST-TS CEN/TS 16175-2:2013
2017-04 (po) (en;fr;de) 12 str. (C)
Blato, obdelani biološki odpadki in tla - Določevanje živega srebra - 2. del: Metoda atomske fluorescenčne spektrometrije s tehniko hladnih par (CV-AFS)
Sludge, treated biowaste and soil - Determination of mercury - Part 2: Cold-vapour atomic fluorescence spectrometry (CV-AFS)
Osnova: **EN 16175-2:2016**
ICS: **71.040.50, 13.030.20, 13.080.10**

This European Standard specifies a method for the determination of mercury in aqua regia or nitric acid digests of sludge, treated biowaste and soil, obtained according to EN 16173 or EN 16174 using cold-vapour atomic fluorescence spectrometry (CV-AFS). The lower working range limit is 0,003 mg/kg (dry matter basis).

SIST/TC KAV Kakovost vode

SIST EN 16720-1:2017
2017-04 (po) (en;fr;de) 16 str. (D)
Karakterizacija blata - Fizikalna konsistenca - 1. del: Določanje sipkosti - Metoda brizganja s cevnimi aparati
Characterization of sludges - Physical consistency - Part 1: Determination of flowability - Method by extrusion tube apparatus
Osnova: EN 16720-1:2016
ICS: 13.030.20

This part of the European Standard specifies a method for determining the flowability, as defined in CEN/TR 15463 [1], of sludge by means of the extrusion tube apparatus.
This part of this European standard is applicable to sludge and sludge suspensions from:
• storm water handling;
• urban wastewater collecting systems;
• urban wastewater treatment plants;
• plants treating industrial wastewater similar to urban wastewater (as defined in Directive 91/271/EEC);
• water supply treatment plants.
This method is also applicable to sludge and sludge suspensions of other origins.

SIST EN ISO 7027-1:2017 SIST EN ISO 7027:2000
2017-04 (po) (en;de) 17 str. (E)
Kakovost vode - Ugotavljanje motnosti - 1. del: Kvantitativne metode (ISO 7027-1:2016)
Water quality - Determination of turbidity - Part 1: Quantitative methods (ISO 7027-1:2016)
Osnova: EN ISO 7027-1:2016
ICS: 13.060.60

This part of ISO 7027 specifies two quantitative methods using optical turbidimeters or nephelometers for the determination of turbidity of water:
a) nephelometry, procedure for measurement of diffuse radiation, applicable to water of low turbidity (for example drinking water);
b) turbidimetry, procedure for measurement of the attenuation of a radiant flux, more applicable to highly turbid waters (for example waste waters or other cloudy waters).
Turbidities measured according to the first method are presented as nephelometric turbidity units (NTU). The results typically range between <0,05 NTU and 400 NTU. Depending on the instrument design, it can also be applicable to waters of higher turbidity. There is numerical equivalence of the units NTU and formazin nephelometric unit (FNU).
Turbidity measured by the second method is expressed in formazin attenuation units (FAU), results
typically range between 40 FAU and 4 000 FAU.

SIST/TC KON Konstrukcije

SIST-TP CEN/TR 17052:2017
2017-04 (po) (en;fr;de) 17 str. (E)
Smernice za izvajanje EN 1090-1:2009+A1:2011: Izvedba jeklenih in aluminijastih konstrukcij - 1. del: Zahteve za ugotavljanje skladnosti sestavnih delov konstrukcij
Guidelines on implementing EN 1090-1:2009+A1:2011, Execution of steel structures and aluminium structures - Part 1: Requirements for conformity assessment of structural components
Osnova: CEN/TR 17052:2017
ICS: 91.080.13, 91.080.17

The scope of EN 1090-1:2009+A1:2011 states that the standard covers structural components and kits which are referred to as structural construction products in this document. This Technical Report gives information that clarifies when a structural construction product is covered by the scope of EN 1090-1:2009+A1:2011 and lists examples of products covered and not covered.

SIST/TC KŽP Kmetijski pridelki in živilski proizvodi

SIST EN ISO 18465:2017
2017-04 (po) (en) 22 str. (F)
Mikrobiologija v prehranski verigi - Kvantitativno določanje emetičnih toksinov (cereulide) z uporabo LC-MS/MS (ISO 18465:2017)
Microbiology of the food chain - Quantitative determination of emetic toxin (cereulide) using LC-MS/MS (ISO 18465:2017)
Osnova: EN ISO 18465:2017
ICS: 07.100.30

This document describes the quantitative analysis of the emetic toxin cereulide using high performance liquid chromatography (HPLC) or ultra performance liquid chromatography (UHPLC) connected to a tandem mass spectrometer (LC-MS/MS). This document is applicable to the analysis of the toxin in products intended for human consumption.

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

SIST EN 62052-21:2005/A1:2017
2017-04 (po) (en) 16 str. (D)
Oprema za merjenje električne energije (izmenični tok) - Splošne zahteve, preskusi in pogoji preskušanja - 21. del: Oprema za krmiljenje tarif in bremen - Dopolnilo A1
Electricity metering equipment (AC) - General requirements, tests and test conditions - Part 21: Tariff and load control equipment
Osnova: EN 62052-21:2004/A1:2017
ICS: 17.220.20, 91.140.50

Dopolnilo A1 je dodatek k standardu SIST EN 62052-21:2005.
This part of IEC 62052 specifies general requirements for the type test of newly manufactured indoor tariff and load control equipment, like electronic ripple control receivers and time switches that are used to control electrical loads, multi-tariff registers and maximum demand indicator devices.
This standard gives no requirements for constructional details internal to the tariff and load control equipment.
In the case where tariff and load control functionality is integrated into multifunction electricity metering equipment, the relevant parts of this standard apply.
This standard does not cover the acceptance tests and the conformity tests. Nevertheless, an example of what could be an acceptance test is given in Annex F.
The dependability aspect is covered by the documents of the IEC 62059 series.

SIST EN 62053-11:2004/A1:2017
2017-04 (po) (en) 7 str. (B)
Oprema za merjenje električne energije (izmenični tok) - Posebne zahteve - 11. del: Elektromehanski števci delovne energije (razredi 0,5, 1 in 2) - Dopolnilo A1
Electricity metering equipment (a.c.) - Particular requirements - Part 11: Electromechanical meters for active energy (classes 0,5, 1 and 2)
Osnova: EN 62053-11:2003/A1:2017
ICS: 91.140.50, 17.220.20

Dopolnilo A1 je dodatek k standardu SIST EN 62053-11:2004.

This part of IEC 62053 applies only to newly manufactured electromechanical watt-hour meters of accuracy classes 0,5, 1 and 2, for the measurement of alternating current electrical active energy in 50 Hz or 60 Hz networks and it applies to their type tests only.

It applies only to electromechanical watt-hour meters for indoor and outdoor application consisting of a measuring element and register(s) enclosed together in a meter case. It also applies to operation indicator(s) and test output(s). If the meter has a measuring element for more than one type of energy (multi-energy meters), or when other functional elements, like maximum demand indicators, electronic tariff registers, time switches, ripple control receivers, data communication interfaces, etc. are enclosed in the meter case, then the relevant standards for these elements also apply.

It does not apply to:

– watt-hour meters where the voltage across the connection terminals exceeds 600 V (lineto- line voltage for meters for polyphase systems);

– portable meters;

– data interfaces to the register of the meter.

Regarding acceptance tests, a basic guideline is given in IEC 60514.

The dependability aspect is covered by the documents of the IEC 62059 series.

SIST EN 62053-21:2004//A1:2017

2017-04 (po) (en) 7 str. (B)

Oprema za merjenje električne energije (izmenični tok) - Posebne zahteve - 21. del: Statični števci delovne energije (razreda 1 in 2) - Dopolnilo A1

Electricity metering equipment (a.c.) - Particular requirements - Part 21: Static meters for active energy (classes 1 and 2)

Osnova: EN 62053-21:2003/A1:2017

ICS: 91.140.50, 17.220.20

Dopolnilo A1 je dodatek k standardu SIST EN 62053-21:2004.

This part of IEC 62053 applies only to newly manufactured static watt-hour meters of accuracy classes 1 and 2, for the measurement of alternating current electrical active energy in 50 Hz or 60 Hz networks and it applies to their type tests only.

It applies only to static watt-hour meters for indoor and outdoor application consisting of a measuring element and register(s) enclosed together in a meter case. It also applies to operation indicator(s) and test output(s). If the meter has a measuring element for more than one type of energy (multi-energy meters), or when other functional elements, like maximum demand indicators, electronic tariff registers, time switches, ripple control receivers, data communication interfaces, etc. are enclosed in the meter case, then the relevant standards for these elements also apply.

It does not apply to:

– watt-hour meters where the voltage across the connection terminals exceeds 600 V (lineto- line voltage for meters for polyphase systems);

– portable meters;

– data interfaces to the register of the meter;

– reference meters.

Regarding acceptance tests, a basic guideline is given in IEC 61358.

The dependability aspect is covered by the standards of the IEC 62059 series.

SIST EN 62053-22:2004/A1:2017

2017-04 (po) (en) 7 str. (B)

Oprema za merjenje električne energije (izmenični tok) - Posebne zahteve - 22. del: Statični števci delovne energije (razreda 0,2 S in 0,5 S) - Dopolnilo A1

Electricity metering equipment (a.c.) - Particular requirements - Part 22: Static meters for active energy (classes 0,2 S and 0,5 S)

Osnova: EN 62053-22:2003/A1:2017

ICS: 91.140.50, 17.220.20

Dopolnilo A1 je dodatek k standardu SIST EN 62053-22:2004.
This part of IEC 62053 applies only to newly manufactured static watt-hour meters of accuracy classes 0,2 S and 0,5 S, for the measurement of alternating current electrical active energy in 50 Hz or 60 Hz networks and it applies to their type tests only.
It applies only to transformer-operated static watt-hour meters for indoor application consisting of a measuring element and register(s) enclosed together in a meter case. It also applies to operation indicator(s) and test output(s). If the meter has a measuring element for more than one type of energy (multi-energy meters), or when other functional elements, like maximum demand indicators, electronic tariff registers, time switches, ripple control receivers, data communication interfaces, etc. are enclosed in the meter case, then the relevant standards for these elements also apply.
NOTE IEC 60044-1 describes transformers having a measuring range of 0,01 *I*n to 1,2 *I*n, or of 0,05 *I*n to 1,5 *I*n, or of 0,05 *I*n to 2 *I*n and transformers having a measuring range of 0,01 *I*n to 1,2 *I*n for accuracy classes 0,2 S and 0,5 S. As the measuring ranges of a meter and its associated transformers have to be matched and as only transformers of classes 0,2 S and 0,5 S have the accuracy required to operate the meters of this standard, the measuring range of the meter will be 0,01 *I*n to 1,2 *I*n.
It does not apply to:
– watt-hour meters where the voltage across the connection terminals exceeds 600 V (lineto- line voltage for meters for polyphase systems);
– portable meters and meters for outdoor use;
– data interfaces to the register of the meter;
– reference meters.
The dependability aspect is covered by the documents of the IEC 62059 series.

SIST/TC MOC Mobilne komunikacije

SIST EN 300 220-1 V3.1.1:2017
2017-04 (po) (en) 74 str. (L)
Naprave kratkega dosega (SRD), ki delujejo v frekvenčnem območju od 25 MHz do 1000 MHz - 1. del: Tehnične karakteristike in merilne metode
Short Range Devices (SRD) operating in the frequency range 25 MHz to 1 000 MHz - Part 1: Technical characteristics and methods of measurement
Osnova: ETSI EN 300 220-1 V3.1.1 (2017-02)
ICS: 33.100.01, 33.060.20

The present document specifies technical characteristics and test methods to be used in the conformance assessment of Short Range Device equipment in the frequency range 25 MHz to 1 GHz.

SIST EN 300 220-2 V3.1.1:2017
2017-04 (po) (en) 33 str. (H)
Naprave kratkega dosega (SRD), ki delujejo v frekvenčnem območju od 25 MHz do 1000 MHz - 2. del: Harmonizirani standard, ki zajema bistvene zahteve člena 3.2 direktive 2014/53/EU za nespecifično radijsko opremo
Short Range Devices (SRD) operating in the frequency range 25 MHz to 1 000 MHz - Part 2: Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU for non specific radio equipment
Osnova: ETSI EN 300 220-2 V3.1.1 (2017-02)
ICS: 33.100.01, 33.060.20

The present document specifies technical characteristics and methods of measurements for Non-specific Short Range Devices category equipment types.
Non specific SRDs category is defined by the EU Commission Decision 2013/752/EU [i.3] as:

"The non-specific short-range device category covers all kinds of radio devices, regardless of the application or the purpose, which fulfil the technical conditions as specified for a given frequency band. Typical uses include telemetry, telecommand, alarms, data transmissions in general and other applications".
The present document covers equipment intended for fixed, mobile or nomadic use, including:
• stand-alone radio equipment;
• plug-in radio devices intended for use with or within a variety of host systems;
• plug-in radio devices intended for use within combined equipment.

SIST EN 300 220-3-2 V1.1.1:2017
2017-04 (po) (en) 19 str. (E)
Naprave kratkega dosega (SRD), ki delujejo v frekvenčnem območju od 25 MHz do 1000 MHz - 3-2. del: Harmonizirani standard, ki zajema bistvene zahteve člena 3.2 direktive 2014/53/EU - Brezžične alarmne naprave, ki delujejo na namenjenih frekvenčnih pasovih LDC/HR od 868,60 MHz do 868,70 MHz, od 869,25 MHz do 869,40 MHz, od 869,65 MHz do 869,70 MHz
Short Range Devices (SRD) operating in the frequency range 25 MHz to 1 000 MHz - Part 3-2: Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU - Wireless alarms operating in designated LDC/HR frequency bands 868,60 MHz to 868,70 MHz, 869,25 MHz to 869,40 MHz, 869,65 MHz to 869,70 MHz
Osnova: ETSI EN 300 220-3-2 V1.1.1 (2017-02)
ICS: 13.320, 33.100.01, 33.060.20

The present document specifies technical characteristics and methods of measurements for LDC/HR wireless alarm equipment types:
• LDC/HR category is defined by the EU Commission Decision 2013/752/EU [i.2] as:
"The low duty cycle/high reliability device category covers radio devices that rely on low overall spectrum utilisation and low duty cycle spectrum access rules to ensure highly reliable spectrum access and transmissions in shared bands. Typical uses include alarm systems that use radio".
The present document covers equipment intended for fixed, mobile or nomadic use, e.g.:
• stand-alone radio equipment;
• plug-in radio devices intended for use with or within a variety of host systems;
• plug-in radio devices intended for use within combined equipment.

SIST EN 300 220-4 V1.1.1:2017
2017-04 (po) (en) 21 str. (F)
Naprave kratkega dosega (SRD), ki delujejo v frekvenčnem območju od 25 MHz do 1000 MHz - 4. del: Harmonizirani standard, ki zajema bistvene zahteve člena 3.2 direktive 2014/53/EU - Merilna oprema, ki deluje na namenjenem pasu od 169,400 MHz do 169,475 MHz
Short Range Devices (SRD) operating in the frequency range 25 MHz to 1 000 MHz - Part 4: Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU - Metering devices operating in designated band 169,400 MHz to 169,475 MHz
Osnova: ETSI EN 300 220-4 V1.1.1 (2017-02)
ICS: 33.100.01, 33.060.20

The present document specifies technical characteristics and methods of measurements for Metering Devices category equipment types:
• Metering devices category is defined by the EU Commission Decision 2013/752/EU [i.2] as:
"The metering device category covers radio devices that are part of bidirectional radio communications systems which allow remote monitoring, measuring and transmission of data in smart grid infrastructures, such as electricity, gas and water".
The present document covers equipment intended for fixed, mobile or nomadic use, e.g.:
• stand-alone radio equipment;
• plug-in radio devices intended for use with or within a variety of host systems;
• plug-in radio devices intended for use within combined equipment.

SIST EN 300 330 V2.1.1:2017
2017-04 (po) (en) 77 str. (L)
Naprave kratkega dosega (SRD) - Radijska oprema v frekvenčnem območju od 9 kHz do 25 MHz in sistemi z indukcijsko zanko v frekvenčnem območju od 9 kHz do 30 MHz - Harmonizirani standard, ki zajema bistvene zahteve člena 3.2 direktive 2014/53/EU
Short Range Devices (SRD) - Radio equipment in the frequency range 9 kHz to 25 MHz and inductive loop systems in the frequency range 9 kHz to 30 MHz - Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU
Osnova: ETSI EN 300 330 V2.1.1 (2017-02)
ICS: 33.100.01, 33.060.20

The present document specifies technical characteristics and methods of measurements for the following Short Range Device major equipment types:
1) Generic Short range Devices including transmitters and receivers operating in the range from 9 kHz to 25 MHz; and
2) inductive loop transmitters and receivers operating from 9 kHz to 30 MHz including Radio Frequency Identification (RFID), Near Field Communication (NFC) and Electronic Article Surveillance (EAS) operating in LF and HF ranges.
Also the present document covers fixed, mobile and portable stations.
NOTE: If a system includes transponders, these are measured together with the transmitter.

SIST EN 300 338-1 V1.4.1:2017
2017-04 (po) (en) 41 str. (I)
Tehnične karakteristike in merilne metode za naprave, ki generirajo, oddajajo in sprejemajo digitalni selektivni klic (DSC) v pomorski mobilni storitvi, ki deluje v območju MF, MF/HF oziroma VHF - 1. del: Splošne zahteve
Technical characteristics and methods of measurement for equipment for generation, transmission and reception of Digital Selective Calling (DSC) in the maritime MF, MF/HF and/or VHF mobile service - Part 1: Common requirements
Osnova: ETSI EN 300 338-1 V1.4.1 (2017-02)
ICS: 47.020.70, 33.060.20

The present document states the minimum requirements for equipment to be used for generation, transmission and reception of Digital Selective Calling (DSC) for use on board ships.
DSC is intended to be used in the Medium Frequency (MF), High Frequency (HF) and Very High Frequency (VHF) bands of the Maritime Mobile Service (MMS), for distress, urgency and safety communication and general communications.
The present document is a multipart deliverable that covers the requirements to be fulfilled by:
- DSC equipment integrated with a transmitter and/or a receiver;
- DSC equipment not integrated with a transmitter and/or a receiver.
These requirements include the relevant provisions of the ITU Radio Regulations [i.17] and Recommendations ITU-R, the International Convention for the Safety Of Life At Sea (SOLAS) [i.16], and the relevant resolutions of the International Maritime Organization (IMO).
Equipment for generation, transmission and reception of DSC designed according to the following equipment classes:
• Class A: includes all the facilities defined in annex 1 of Recommendation ITU-R M.493-14 [2] and complies with the IMO Global Maritime Distress and Safety System (GMDSS) carriage requirements for MF/HF installations and/or VHF installations.
• Class B: provides minimum facilities for equipment on ships not required to use class A equipment and complies with the minimum IMO GMDSS carriage requirements for MF and/or VHF installations.
This equipment should provide for:
- alerting, acknowledgement and relay facilities for distress purposes;
- calling and acknowledgement for general communication purposes; and
- calling in connection with semi-automatic/automatic services, as defined in Recommendation ITU-R M.493-14 [2], annex 2, clause 3.

• Class D: provides minimum facilities for VHF DSC distress, urgency and safety as well as routine calling and reception as recommended by IMO MSC/Circ.803 [i.2] for non-SOLAS vessels participating in the GMDSS.
• Class E: provides minimum facilities for MF and/or HF DSC distress, urgency and safety as well as routine calling and reception as recommended by IMO MSC/Circ.803 [i.2] for non-SOLAS vessels participating in the GMDSS.
• Class H: provides minimum facilities for handheld VHF DSC distress, urgency and safety as well as routine calling and reception as recommended by IMO MSC/Circ.803 [i.2] for non-SOLAS vessels participating in the GMDSS.
• Class M: provides minimum facilities for VHF Man Overboard devices as defined in Recommendation ITU-R M.493-14 [2].
NOTE 1: Class A and Class B equipment may support the optional semi-automatic/automatic service in accordance with Recommendations ITU-R M.689-3 [4], M.1082-1 [5] and M.493-14 [2], tables 4.10.1 and 4.10.2 and are encouraged to do so.
NOTE 2: Class D and Class E equipment may also support the optional semi-automatic/automatic service.

SIST EN 300 338-2 V1.4.1:2017
2017-04 (po) (en) 49 str. (I)
Tehnične karakteristike in merilne metode za naprave, ki generirajo, oddajajo in sprejemajo digitalni selektivni klic (DSC) v pomorski mobilni storitvi, ki deluje v območju MF, MF/HF oziroma VHF - 2. del: Digitalni selektivni klic razreda A/B
Technical characteristics and methods of measurement for equipment for generation, transmission and reception of Digital Selective Calling (DSC) in the maritime MF, MF/HF and/or VHF mobile service - Part 2: Class A/B DSC
Osnova: ETSI EN 300 338-2 V1.4.1 (2017-02)
ICS: 47.020.70, 33.060.20

The present document states the minimum requirements for equipment to be used for generation, transmission and reception of Class A or B Digital Selective Calling (DSC) for use on board ships.
DSC is intended to be used in the Medium Frequency (MF), High Frequency (HF) and Very High Frequency (VHF) bands of the Maritime Mobile Service (MMS), for both distress, safety and general communications.
The present document is part 2 of a multi-part deliverable that covers the requirements to be fulfilled by equipment that is either integrated with a transmitter and/or a receiver or equipment that is a stand-alone DSC terminal and has the following class of DSC:
• Class A: includes all the facilities defined in annex 1 of Recommendation ITU-R M.493-14 [3] and complies with the IMO Global Maritime Distress and Safety System (GMDSS) carriage requirements for MF/HF installations and/or VHF installations;
• Class B: provides minimum facilities for equipment on ships not required to use class A equipment and complies with the minimum IMO GMDSS carriage requirements for MF and/or VHF installations.
This equipment should provide for:
- alerting, acknowledgement and relay facilities for distress purposes;
- calling and acknowledgement for general communication purposes; and
- calling in connection with semi-automatic/automatic services, as defined in Recommendation ITU-R M.493-14 [3], annex 2, clause 3.
These requirements include the relevant provisions of the ITU Radio Regulations [2] and Recommendations ITU-R, the International Convention for the Safety Of Life At Sea (SOLAS), and the relevant resolutions of the International Maritime Organization (IMO).

SIST EN 300 338-3 V1.2.1:2017
2017-04 (po) (en) 43 str. (I)
Tehnične karakteristike in merilne metode za naprave, ki generirajo, oddajajo in sprejemajo digitalni selektivni klic (DSC) v pomorski mobilni storitvi, ki deluje v območju MF, MF/HF oziroma VHF - 3. del: Digitalni selektivni klic razreda D
Technical characteristics and methods of measurement for equipment for generation, transmission and reception of Digital Selective Calling (DSC) in the maritime MF, MF/HF and/or VHF mobile service - Part 3: Class D DSC
Osnova: **ETSI EN 300 338-3 V1.2.1 (2017-02)**
ICS: **47.020.70, 33.060.20**

The present document states the minimum requirements for general communication for shipborne fixed installations using DSC - class D.
Class D DSC is intended be used in the Very High Frequency (VHF) band of the Maritime Mobile Service (MMS), for distress, urgency and safety communication and general communications using telephony for subsequent communications.
The present document is part 3 of a multi-part deliverable that covers the requirements to be fulfilled by equipment that is either integrated with a transmitter and/or a receiver or equipment that is a stand-alone DSC terminal.
These requirements include the relevant provisions and the guidelines of the IMO as detailed in MSC/Circ.803 [i.1] for non-SOLAS vessels participating in the GMDSS as well as Commission Decision of 4 September 2003 (2004/71/EC [i.5]).

SIST EN 300 338-4 V1.2.1:2017
2017-04 (po) (en) 44 str. (I)
Tehnične karakteristike in merilne metode za naprave, ki generirajo, oddajajo in sprejemajo digitalni selektivni klic (DSC) v pomorski mobilni storitvi, ki deluje v območju MF, MF/HF oziroma VHF - 4. del: Digitalni selektivni klic razreda E
Technical characteristics and methods of measurement for equipment for generation, transmission and reception of Digital Selective Calling (DSC) in the maritime MF, MF/HF and/or VHF mobile service - Part 4: Class E DSC
Osnova: **ETSI EN 300 338-4 V1.2.1 (2017-02)**
ICS: **47.020.70, 33.060.20**

The present document states the minimum requirements for general communication for shipborne fixed installations using DSC - class E.
Class E DSC is intended to be used in the Medium Frequency (MF) and/or High Frequency (HF) bands of the Maritime Mobile Service (MMS), for distress, urgency and safety communication and general communications and uses telephony for subsequent communications.
The present document is part 4 of a multi-part deliverable that covers the requirements to be fulfilled by equipment that is either integrated with a transmitter and/or a receiver or equipment that is a stand-alone DSC terminal.
These requirements include the relevant provisions and the guidelines of the IMO as detailed in MSC/Circ.803 [i.1] for non-SOLAS vessels participating in the GMDSS as well as Commission Decision of 4 September 2003 (2004/71/EC [i.3]).

SIST EN 300 338-5 V1.2.1:2017
2017-04 (po) (en) 43 str. (I)
Tehnične karakteristike in merilne metode za naprave, ki generirajo, oddajajo in sprejemajo digitalni selektivni klic (DSC) v pomorski mobilni storitvi, ki deluje v območju MF, MF/HF oziroma VHF - 5. del: Ročne postaje VHF z digitalnim selektivnim klicem razreda H
Technical characteristics and methods of measurement for equipment for generation, transmission and reception of Digital Selective Calling (DSC) in the maritime MF, MF/HF and/or VHF mobile service - Part 5: Handheld VHF Class H DSC
Osnova: **ETSI EN 300 338-5 V1.2.1 (2017-02)**
ICS: **47.020.70, 33.060.20**

The present document states the minimum requirements for general communication for handheld VHF radios using the handheld class H DSC for shipborne use.
Class H DSC may be used in the Very High Frequency (VHF) Maritime Mobile Service (MMS), for distress, urgency and safety communication and general communications using telephony for subsequent communications.
The present document is part 5 of a multi-part deliverable that covers the requirements to be fulfilled by equipment that is integrated with a handheld transceiver.
These requirements include the relevant provisions and the guidelines of the IMO as detailed in MSC/Circ.803 [i.1] for non-SOLAS vessels participating in the GMDSS.

SIST EN 300 338-6 V1.1.1:2017
2017-04 (po) (en) 13 str. (D)
Tehnične karakteristike in merilne metode za naprave, ki generirajo, oddajajo in sprejemajo digitalni selektivni klic (DSC) v pomorski mobilni storitvi, ki deluje v območju MF, MF/HF oziroma VHF - 6. del: Digitalni selektivni klic razreda M
Technical characteristics and methods of measurement for equipment for generation, transmission and reception of Digital Selective Calling (DSC) in the maritime MF, MF/HF and/or VHF mobile service - Part 6: Class M DSC
Osnova: ETSI EN 300 338-6 V1.1.1 (2017-02)
ICS: 47.020.70, 33.060.20

The present document states the minimum requirements for devices using Digital Selective Calling (DSC) Class M, for Man Overboard (MOB). The present document defines the requirements for equipment that uses DSC alerting and signalling in the maritime mobile bands and particularly the GMDSS distress and safety channels. Such equipment is not intended to provide any subsequent communications or telephony facilities. The present document is part 6 of a multi-part deliverable that covers the channel access rules and technical requirements applicable to these devices.

SIST EN 300 422-2 V2.1.1:2017
2017-04 (po) (en) 63 str. (K)
Brezžični mikrofoni - Avdio PMSE na frekvencah do 3 GHz - 2. del: Sprejemniki razreda B - Harmonizirani standard, ki zajema bistvene zahteve člena 3.2 direktive 2014/53/EU
Wireless Microphones - Audio PMSE up to 3 GHz - Part 2: Class B Receivers - Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU
Osnova: ETSI EN 300 422-2 V2.1.1 (2017-02)
ICS: 33.160.50

The present document specifies the technical characteristics and methods of measurement for the following types of equipment:
a) Assistive Listening Devices (ALDs);
b) Radio Microphones;
c) In-Ear Monitoring Systems;
d) Wireless Multichannel Audio Systems (WMAS);
e) Tour Guide Systems;
with Class B receivers which have reduced performance requirements with respect to sensitivity, adjacent channel selectivity, and receiver blocking compared to those with Class A receivers. It does not necessarily include all the characteristics that may be required by a user, nor does it necessarily represent the optimum performance achievable.
Equipment with Class B receivers will support the operation of fewer wireless audio channels in a given amount of spectrum than Class A receivers.
The present document applies to equipment operating on radio frequencies up to 3 GHz (as shown in table 1) using analogue, digital and hybrid (using both analogue and digital) modulation.
The maximum power recommended for equipment covered by this multi-part deliverable is 250 mW for radio microphones and 10 mW for ALDs.

An exception to this are the Public Hearing Aids defined in the CEPT Report 004 [i.7] and subsequent EC Decision 2005/928/EC [i.9] and EC Decision 2006/771/EC [i.8] on the ex ERMES band (169,4 MHz to 169,8125 MHz) where 500 mW is defined.
The present document covers the essential requirements of Article 3.2 of Directive 2014/53/EU under the conditions identified in annex A. The present document also covers radio microphones used in the 863 MHz to 865 MHz band, with a maximum power of 10 mW.
Electromagnetic Compatibility (EMC) requirements are covered by ETSI EN 301 489-9 [i.4].
National regulations on:
1) maximum power output;
2) licensing status;
will take precedence or those detailed in the latest version of:
• EC Decision 2005/928/EC [i.9];
• ECC/DEC/(05)02 [i.10];
• the EC SRD Decision [i.8]; or
• CEPT/ERC/REC 70-03 [i.6], annex 10 (see http://www.erodocdb.dk/);
• EC Decision 2014/641/EU [i.11].
Unless otherwise stated in the EC SRD Decision, ECC Decision or National Interfaces, Radio Microphones can be subject to individual licence.

SIST EN 300 422-3 V2.1.1:2017
2017-04 (po) (en) 62 str. (K)
Brezžični mikrofoni - Avdio PMSE na frekvencah do 3 GHz - 3. del: Sprejemniki razreda C - Harmonizirani standard, ki zajema bistvene zahteve člena 3.2 direktive 2014/53/EU
Wireless Microphones - Audio PMSE up to 3 GHz - Part 3: Class C Receivers - Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU
Osnova: ETSI EN 300 422-3 V2.1.1 (2017-02)
ICS: 33.160.50

The present document specifies the technical characteristics and methods of measurement for the following types of equipment:
1) Assistive Listening Devices;
2) Radio Microphones;
3) In-ear Monitoring Systems;
4) WMAS (Wireless Multichannel Audio Systems;
5) Tour Guide Systems;
with Class C receivers which have significantly reduced performance requirements with respect to sensitivity, adjacent channel selectivity, and receiver blocking compared to those with Class A receivers. It does not necessarily include all the characteristics that may be required by a user, nor does it necessarily represent the optimum performance achievable. Equipment with Class C receivers will support the operation of fewer wireless audio channels in a given amount of spectrum than Class A or Class B receivers.
The present document applies to equipment operating on radio frequencies up to 3 GHz (as shown in table 1) using analogue, digital and hybrid (using both analogue and digital) modulation.
The maximum power recommended for equipment covered by this multi-part deliverable is 250 mW for radio microphones and 10 mW for ALDs.
An exception to this are the Public Hearing Aids defined in the CEPT Report 004 [i.7] and subsequent EC Decision 2005/928/EC [i.9] and EC Decision 2006/771/EC [i.8] on the ex ERMES band (169,4 MHz to 169,8125 MHz) where 500 mW is defined.
The present document covers the essential requirements of article 3.2 of Directive 2014/53/EU under the conditions identified in annex A. The present document also covers radio microphones used in the 863 MHz to 865 MHz band, with a maximum power of 10 mW.
Electromagnetic Compatibility (EMC) requirements are covered by ETSI EN 301 489-9 [i.4].
National regulations on:
1) maximum power output;
2) licensing status;
will take precedence or those detailed in the latest version of:
• EC Decision 2005/928/EC [i.9];

- ECC/DEC/(05)02 [i.10];
- the EC SRD Decision [i.8]; or
- CEPT/ERC/REC 70-03 [i.6], annex 10 (see http://www.erodocdb.dk/);
- EC Decision 2014/641/EU [i.11].

Unless otherwise stated in the EC SRD Decision, ECC Decision or National Interfaces, Radio Microphones can be subject to individual licence.

SIST EN 301 091-1 V2.1.1:2017
2017-04 (po) (en) 18 str. (E)
Naprave kratkega dosega - Transportna in prometna telematika (TTT) - Radarska oprema, ki deluje v frekvenčnem območju od 76 GHz do 77 GHz - Harmonizirani standard, ki zajema bistvene zahteve člena 3.2 direktive 2014/53/EU - 1. del: Talni radar na vozilu
Short Range Devices - Transport and Traffic Telematics (TTT) - Radar equipment operating in the 76 GHz to 77 GHz range - Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU - Part 1: Ground based vehicular radar
Osnova: ETSI EN 301 091-1 V2.1.1 (2017-01)
ICS: 35.240.60, 33.060.99

The present document specifies technical characteristics and methods of measurements for radar equipment for ground based vehicle applications in the frequency range from 76 GHz to 77 GHz. It covers integrated transceivers and separate transmit/receive modules.
Also the present document specifies the requirements for Short Range Devices (SRD) intended for the use in ground based vehicles. Example applications are: Adaptive Cruise Control (ACC), Collision Warning, Anti-Collision (AC) systems, obstacle detection, Stop and Go, blind spot detection, parking aid, backup aid and other future applications.
NOTE 1: The definition of "ground based vehicle" includes but is not limited to passenger cars, busses, trucks, rail engines, ships, aircraft while taxing.
NOTE 2: High safety ratings (e.g. Euro NCAP) can only be obtained if such radar based safety applications are installed in a vehicle.
NOTE 3: Euro NCAP organizes crash-tests and provides motoring consumers with a realistic and independent assessment of the safety performance of some of the most popular cars sold in Europe.
Established in 1997, Euro NCAP is composed of seven European Governments as well as motoring and consumer organizations in every European country.
The present document contains the technical characteristics and test methods for ground based vehicle radar equipment fitted with integral antennas operating in the frequency range from 76 GHz to 77 GHz and references CEPT/ERC/ECC Recommendation 70-03 [i.1] and EC DEC 2013/752/EU [i.2].
The present document does not necessarily include all the characteristics which may be required by a user, nor does it necessarily represent the optimum performance achievable.
In case of differences (for instance concerning special conditions, definitions, abbreviations) between the present document and ETSI EN 303 396 [1], the provisions of the present document take precedence.

SIST EN 301 091-2 V2.1.1:2017
2017-04 (po) (en) 16 str. (D)
Naprave kratkega dosega - Transportna in prometna telematika (TTT) - Radarska oprema, ki deluje v frekvenčnem območju od 76 GHz do 77 GHz - Harmonizirani standard, ki zajema bistvene zahteve člena 3.2 direktive 2014/53/EU - 2. del: Vgrajena infrastrukturna radarska oprema
Short Range Devices - Transport and Traffic Telematics (TTT) - Radar equipment operating in the 76 GHz to 77 GHz range - Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU - Part 2: Fixed infrastructure radar equipment
Osnova: ETSI EN 301 091-2 V2.1.1 (2017-01)
ICS: 33.060.99, 35.240.60

The present document specifies technical characteristics and methods of measurements for radar equipment for fixed infrastructure Transport and Traffic Telematic (TTT) applications in the frequency range from 76 GHz to 77 GHz. It covers integrated transceivers and separate transmit/receive modules. The present document does not necessarily include all the characteristics which may be required by a user, nor does it necessarily represent the optimum performance achievable.

SIST EN 301 489-1 V2.1.1:2017
2017-04 (po) (en) 42 str. (I)
Standard elektromagnetne združljivosti (EMC) za radijsko opremo in storitve - Harmonizirani standard, ki zajema bistvene zahteve člena 3.1(b) direktive 2014/53/EU in bistvene zahteve člena 6 direktive 2014/30/EU - 1. del: Splošne tehnične zahteve
ElectroMagnetic Compatibility (EMC) standard for radio equipment and services - Harmonised Standard covering the essential requirements of article 3.1(b) of the Directive 2014/53/EU and the essential requirements of article 6 of the Directive 2014/30/EU - Part 1: Common technical requirements
Osnova: ETSI EN 301 489-1 V2.1.1 (2017-02)
ICS: 33.060.01, 33.100.01

The present document covers the essential requirements of article 3.1(b) of Directive 2014/53/EU [i.1] and article 6 of Directive 2014/30/EU [i.2] for radio equipment and associated ancillary equipment, excluding broadcast receivers, in respect of ElectroMagnetic Compatibility (EMC).
Where the present document is being used to evaluate the EMC performance of "combined radio and non-radio equipment", ETSI EG 203 367 [i.3] provides guidance upon the application of the various harmonised standards, including the present document, that could potentially apply to such equipment.
Product dependent arrangements necessary to perform the EMC tests on dedicated types of radio communications equipment, and the assessment of test results, are detailed in the appropriate relevant radio technology parts of ETSI EN 301 489 series [i.13].
The present document, together with the relevant radio technology part, where required, specifies the applicable EMC tests, the methods of measurement, the limits and the performance criteria for radio equipment and associated ancillary equipment. In case of differences (for instance concerning special conditions, definitions, abbreviations) between part 1 of ETSI EN 301 489 series [i.13] and the relevant radio technology part of ETSI EN 301 489 series [i.13], the relevant radio technology part takes precedence.
Technical specifications related to the antenna port of radio equipment and radiated emissions from the enclosure port of radio equipment and combinations of radio and associated ancillary equipment are not included in the present document. Such technical specifications are normally found in the relevant product standards for the effective use of the radio spectrum.
The environment classification used in the present document refers to the environment classification used in:
• CENELEC EN 61000-6-3 [i.4] and CENELEC EN 61000-6-1 [i.5] for the residential, commercial and light industrial environment; or
• CENELEC EN 61000-6-2 [i.15] and CENELEC EN 61000-6-4 [i.14] for the industrial environment; or
• ETSI TR 101 651 [i.6] for the telecommunication centre environment; or
• ISO 7637-2 [8] for the vehicular environment.
The EMC requirements have been selected to ensure an adequate level of compatibility for equipment intended to be used in the environments mentioned above. The levels, however, do not cover extreme cases which may occur in any location but with low probability of occurrence.
The present document may not cover those cases where a potential source of interference which is producing individually repeated transient phenomena or a continuous phenomenon is permanently present, e.g. a radar or broadcast site in the near vicinity. In such a case it may be necessary to use special protection applied to either the source of interference or the interfered part or both.
Where none of the existing specific relevant radio technology radio parts covers the required conditions for a particular radio equipment/service e.g. in case of the initial introduction of a new

radio service or a special application, the present document can be used for the purposes of testing to the EMC requirements set out in the present document.
In all cases where a radio product falls within the scope of a specific relevant radio technology radio part of the standard, the relevant radio technology part takes precedence.
Compliance of radio equipment to the requirements of the present document does not signify compliance to any requirements related to spectrum management or to the use of the equipment (licensing requirements).
Compliance to the requirements of the present document does not signify compliance to any safety requirements.
However, it is the responsibility of the assessor of the equipment to record in the test report any observations regarding the test sample becoming dangerous or unsafe as a result of the application of the tests called for in the present document.

SIST EN 301 489-17 V3.1.1:2017
2017-04 (po) (en) 20 str. (E)
Standard elektromagnetne združljivosti (EMC) za radijsko opremo in storitve - 17. del: Posebni pogoji za širokopasovne sisteme za prenos podatkov - Harmonizirani standard, ki zajema bistvene zahteve člena 3.1(b) direktive 2014/53/EU
ElectroMagnetic Compatibility (EMC) standard for radio equipment and services - Part 17: Specific conditions for Broadband Data Transmission Systems - Harmonised Standard covering the essential requirements of article 3.1(b) of the Directive 2014/53/EU
Osnova: **ETSI EN 301 489-17 V3.1.1 (2017-02)**
ICS: **33.100.01, 33.060.01**

The present document, together with ETSI EN 301 489-1 [1], specifies technical characteristics and methods of measurements for Broadband Data Transmission System equipment, as detailed in annex B.
Technical specifications related to the antenna port and emissions from the enclosure port of the radio equipment are not included in the present document. Such technical specifications are found in the relevant product standards for the effective use of the radio spectrum.
The present document specifies the applicable test conditions, performance assessment and performance criteria for wideband data communication systems.
In case of differences (for instance concerning special conditions, definitions, abbreviations) between the present document and ETSI EN 301 489-1 [1], the provisions of the present document take precedence.
The environmental classification and the emission and immunity requirements used in the present document are as stated in ETSI EN 301 489-1 [1], except for any special conditions included in the present document.
The present document covers the essential requirements of article 3.1(b) of Directive 2014/53/EU [i.1] under the conditions identified in annex A.

SIST EN 301 489-33 V2.1.1:2017
2017-04 (po) (en) 25 str. (F)
Standard elektromagnetne združljivosti (EMC) za radijsko opremo in storitve - 33. del: Posebni pogoji za ultra širokopasovne (UWB) naprave - Harmonizirani standard, ki zajema bistvene zahteve člena 3.1(b) direktive 2014/53/EU
ElectroMagnetic Compatibility (EMC) standard for radio equipment and services - Part 33: Specific conditions for Ultra-WideBand (UWB) devices - Harmonised Standard covering the essential requirements of article 3.1(b) of the Directive 2014/53/EU
Osnova: **ETSI EN 301 489-33 V2.1.1 (2017-02)**
ICS: **33.060.20, 33.100.01**

The present document, together with ETSI EN 301 489-1 [1], specifies technical characteristics and methods of measurements for radio devices based on UWB technology in respect of ElectroMagnetic Compatibility (EMC).
The present document applies to fixed, mobile or portable UWB devices, e.g.:

• stand alone radio equipment with or without its own control provisions;
• plug-in radio devices intended for use with, or within, a variety of host systems, e.g. personal computers, hand-held terminals, etc.;
• plug-in radio devices intended for use within combined equipment, e.g. cable modems, set-top boxes, access points, etc.;
• combined equipment or a combination of a plug-in radio device and a specific type of host equipment;
• equipment for use in road and rail vehicles;
• ground and wall probing radar equipment;
• (tank) level probing radar equipment;
• material sensing devices.

NOTE: If a system includes transponders, these are measured together with the transmitter and examples of Ultra-WideBand equipment are given in the related harmonised standards of article 3.2 of Directive 2014/53/EU [i.1].

Technical specifications related to the antenna port and emissions from the enclosure port of Ultra-WideBand (UWB) equipment are not included in the present document. Such technical specifications are found in the relevant product standards for the effective use of the radio spectrum.

The present document specifies the applicable test conditions, performance assessment and performance criteria for Ultra-WideBand (UWB) equipment and associated ancillary equipment.

Examples of Ultra-WideBand equipment are given in the related harmonised standards.

In case of differences (for instance concerning special conditions, definitions, abbreviations) between the present document and ETSI EN 301 489-1 [1], the provisions of the present document take precedence.

The environmental classification and the emission and immunity requirements used in the present document are as stated in ETSI EN 301 489-1 [1], except for any special conditions included in the present document.

The present document covers the essential requirements of article 3.1b of Directive 2014/53/EU [i.1] under the conditions identified in annex A.

SIST EN 301 489-4 V3.1.1:2017

2017-04 (po) (en) 21 str. (F)

Standard elektromagnetne združljivosti (EMC) za radijsko opremo in storitve - 4. del: Posebni pogoji za fiksne radijske povezave in pomožno opremo - Harmonizirani standard, ki zajema bistvene zahteve člena 3.1(b) direktive 2014/53/EU

ElectroMagnetic Compatibility (EMC) standard for radio equipment and services - Part 4: Specific conditions for fixed radio links and ancillary equipment - Harmonised Standard covering the essential requirements of article 3.1(b) of the Directive 2014/53/EU

Osnova: ETSI EN 301 489-4 V3.1.1 (2017-02)

ICS: 33.100.01, 33.060.20

The present document specifies technical characteristics and methods of measurement for Analogue and Digital Fixed Radio Links operating as fixed Point-to-Point, and Point-to-Multipoint systems as defined in annex B, including the associated ancillary equipment.

NOTE: Technical specifications related to the antenna port of the radio equipment are not included in the present document. Such technical specifications are found in the relevant product standards for the effective use of the radio spectrum.

In case of differences (for instance concerning special conditions, definitions, abbreviations) between the present document and ETSI EN 301 489-1 [1], the provisions of the present document take precedence.

The processing and protection switch, (de)modulator, transmitter, receiver, RF filters, branching networks, feeders are covered by the present document. The multiplexing and/or de-multiplexing elements are covered if they form part of the transmitter, receiver and/or transceiver.

The environmental classification and the emission and immunity requirements used in the present document are as stated in ETSI EN 301 489-1 [1], except for any special conditions included in the present document.

The present document covers the essential requirements of article 3.1(b) of Directive 2014/53/EU under the conditions identified in annex A.

SIST EN 301 489-50 V2.1.1:2017
2017-04 (po) (en) 32 str. (G)
Standard elektromagnetne združljivosti (EMC) za radijsko opremo in storitve - 50. del: Posebni pogoji za ponavljalniško (repetitorsko) in pomožno opremo celičnih komunikacijskih baznih postaj (BS) - Harmonizirani standard, ki zajema bistvene zahteve člena 3.1(b) direktive 2014/53/EU
ElectroMagnetic Compatibility (EMC) standard for radio equipment and services - Part 50: Specific conditions for Cellular Communication Base Station (BS), repeater and ancillary equipment - Harmonised Standard covering the essential requirements of article 3.1(b) of the Directive 2014/53/EU
Osnova: ETSI EN 301 489-50 V2.1.1 (2017-02)
ICS: 33.100.01, 33.060.01

The present document specifies technical characteristics and methods of measurements for equipment the following equipment types:
1) digital cellular base station equipment;
2) repeaters;
3) associated ancillary equipment.
Including individually and combinations of:
• UTRA, WCDMA (IMT-2000 Direct Spread, W-CDMA, UMTS)
• E-UTRA, LTE (IMT-2000 and IMT advanced)
• GSM (IMT-2000 SC, Technology GSM/EDGE)
• MSR (IMT-2000 and IMT advanced, combination of technologies above)
• OFDMA WMAN (IMT-2000 OFDMA, OFDMA WMAN)
• CDMA (CDMA2000 - IMT MC, CDMA2000 1X)
Technical specifications related to the antenna port and emissions from the enclosure port of radio equipment (base station (BS), and repeaters) are not included in the present document. Such technical specifications are found in the relevant product standards for the effective use of the radio spectrum.
Examples of base station equipment covered by the present document are given in annex A.
In case of differences (for instance concerning special conditions, definitions, abbreviations) between the present document and ETSI EN 301 489-1 [1], the provisions of the present document take precedence.
The environmental classification and the emission and immunity requirements used in the present document are as stated in ETSI EN 301 489-1 [1], except for any special conditions included in the present document.
The present document covers the essential requirements of article 3.1(b) of Directive 2014/53/EU under the conditions identified in annex A.
Technical specifications related to the antenna port of radio equipment and radiated emissions from the enclosure port of radio equipment and combinations of radio and associated ancillary equipment are given in the harmonised product standards ETSI EN 301 908-1 [28] or ETSI EN 301 502 [8] for the effective and efficient use of the radio spectrum.

SIST EN 302 194 V2.1.1:2017
2017-04 (po) (en) 56 str. (J)
Navigacijski radar za uporabo na celinskih vodnih poteh - Harmonizirani standard, ki zajema bistvene zahteve člena 3.2 direktive 2014/53/EU
Navigation radar used on inland waterways - Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU
Osnova: ETSI EN 302 194 V2.1.1 (2017-02)
ICS: 47.020.70, 33.060.99

The present document specifies technical characteristics and methods of measurements for equipment:
1) X band Radar and its associated primary navigational display intended for the navigation of vessels on inland waterways subject to the requirements of the Central Commission for the Navigation on the Rhine (CCNR) and the Danube Commission (DC).
The present document contains the minimum technical, operational and functional requirements, describes the tests and the conditions under which the tests take place in order to establish that the equipment meets these minimum requirements.
Additional facilities, which may be provided on this equipment, e.g. Inland ECDIS functions, automatic steering functions or additional interfaces, are not covered by the present document, and other appropriate standards may apply.
The installation of radar equipment intended for the navigation on inland waterways is subject to additional conditions which are described in annex E

SIST EN 302 480 V2.1.2:2017
2017-04 (po) (en) 50 str. (I)
Sistemi mobilnih komunikacij v letalih (MCOBA) - Harmonizirani standard, ki zajema bistvene zahteve člena 3.2 direktive 2014/53/EU
Mobile Communication On Board Aircraft (MCOBA) systems - Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU
Osnova: ETSI EN 302 480 V2.1.2 (2017-02)
ICS: 33.070.99, 33.060.99

The present document applies to the following equipment types:
1) An Onboard Base Transceiver System (OBTS) supporting GSM, UMTS or LTE communication protocols including specific functions for restricting the transmit power of the MSs or UEs, respectively associated with the OBTS.
2) Network Control Unit (NCU) preventing direct connection of the onboard mobile terminals with mobile networks on the ground by raising the noise floor in the cabin.
It applies to equipment for continuous and discontinuous transmission of data and digital speech.
The present document applies only to radio equipment using a dedicated transmitting antenna that is designed as an indispensable part of the system for usage on board an aircraft.
Within the European Union, the system covered by the present document operates in accordance with the operational requirements as outlined in the Commission Decision 2013/654/EU [i.3].
The present document contain requirements to demonstrate that Radio equipment both effectively uses and supports the efficient use of radio spectrum in order to avoid harmful interference.
In addition to the present document, other ENs that specifie technical requirements in respect of essential requirements under other parts of Article 3 of the Radio Equipment Directive may apply to equipment within the scope of the present document.
The present document does not cover equipment compliance with relevant civil aviation regulations. In this respect, a MCOBA system, for its installation and operation on board an aircraft is subject to additional national or international civil aviation airworthiness certification requirements, for example to EUROCAE ED-14G [i.6].

SIST EN 302 571 V2.1.1:2017
2017-04 (po) (en) 49 str. (I)
Inteligentni transportni sistemi (ITS) - Radiokomunikacijska oprema, ki deluje v frekvenčnem pasu od 5855 MHz do 5925 MHz - Harmonizirani standard, ki zajema bistvene zahteve člena 3.2 direktive 2014/53/EU
Intelligent Transport Systems (ITS) - Radiocommunications equipment operating in the 5 855 MHz to 5 925 MHz frequency band - Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU
Osnova: ETSI EN 302 571 V2.1.1 (2017-02)
ICS: 35.240.60, 33.060.01

The present document specifies technical characteristics and methods of measurement for radio transmitters and receivers operating in the frequency range 5 855 MHz to 5 925 MHz. The spectrum usage conditions are set out in ECC Decision (08)01 [i.1] for the frequency range 5 875 MHz to 5 925 MHz (with 5 905 MHz to 5 925 MHz considered as a future ITS extension) and in ECC Recommendation (08)01 [i.2] for the frequency range 5 855 MHz to 5 875 MHz. The Commission Decision 2008/671/EC [i.3] mandates a harmonised use of the frequency band 5 875 MHz to 5 905 MHz dedicated to safety-related applications of ITS throughout the member states of the European Union. Table 1 outlines the 5 GHz ITS frequency band segmentation.

SIST EN 60153-1:2016/AC:2017
2017-04 (po) (en) 1 str. (AC)
Votli kovinski valovodi - 1. del: Splošne zahteve in merilne metode - Popravek AC
Hollow metallic waveguides - Part 1: General requirements and measuring methods
Osnova: EN 60153-1:2016/AC:2017-02
ICS: 33.120.10

Popravek k standardu SIST EN 60153-1:2016.
Ta del standarda IEC 60153 določa ravne votle kovinske cevi, ki se uporabljajo kot valovodi v elektronski opremi.
Zajema:
a) potrebne podrobnosti za zagotovitev združljivosti in, kolikor je nujno, medsebojne zamenljivosti;
b) preskusne metode;
c) enotne zahteve za električne in mehanske lastnosti.
Opozoriti je treba, da niso podana priporočila glede materialov, ki se uporabljajo za valovode. Izbira materiala je odvisna od dogovora med kupcem in proizvajalcem.

SIST EN 60153-2:2016/AC:2017
2017-04 (po) (en) 1 str. (AC)
Votli kovinski valovodi - 2. del: Ustrezne specifikacije za navadne pravokotne valovode - Popravek AC
Hollow metallic waveguides - Part 2: Relevant specifications for ordinary rectangular waveguides
Osnova: EN 60153-2:2016/AC:2017-02
ICS: 33.120.10

Popravek k standardu SIST EN 60153-2:2016.
Ta del standarda IEC 60153 določa ravne votle kovinske cevi navadnega pravokotnega valovoda, namenjene za uporabo kot valovodi v elektronski opremi.
Cilj tega standarda je za votle kovinske valovode določiti:
a) potrebne podrobnosti za zagotovitev združljivosti in, kolikor je nujno, medsebojne zamenljivosti;
b) preskusne metode;
c) enotne zahteve za električne in mehanske lastnosti.
Opozoriti je treba, da niso podana priporočila glede materialov, ki se uporabljajo za valovode. Izbira materiala je odvisna od dogovora med kupcem in proizvajalcem. Ta dokument bi se naj bral v povezavi s standardom IEC 60153-1, ki določa splošne zahteve in preskusne metode.

SIST EN 60966-2-5:2017 SIST EN 60966-2-5:2009
2017-04 (po) (en) 10 str. (C)
Kabelski sestavi - 2-5. del: Podrobna specifikacija za kabelske sestave za radijske in TV sprejemnike - Konektorji IEC 61169-2 za frekvenčno območje od 0 do 1000 MHz (IEC 60966-2-5:2016)
Cable assemblies - Part 2-5: Detail specification for cable assemblies for radio and TV receivers - Frequency range 0 MHz to 1 000 MHz, IEC 61169-2 connectors (IEC 60966-2-5:2016)
Osnova: EN 60966-2-5:2017
ICS: 33.120.10

This document is a detail specification which applies to flexible coaxial cables described in the IEC 61196 series. It relates to cable assemblies for radio and TV receivers, and in particular to the cable assemblies subfamily 9,52 (see IEC 61169-2). These cable assemblies are used as described in IEC 60728-4.

SIST EN 60966-2-6:2017 SIST EN 60966-2-6:2009
2017-04 (po) (en) 11 str. (C)
Kabelski sestavi - 2-6. del: Podrobna specifikacija za kabelske sestave za radijske in TV sprejemnike - Konektorji IEC 61169-24 za frekvenčno območje od 0 do 3000 MHz (IEC 60966-2-6:2016)
Cable assemblies - Part 2-6: Detail specification for cable assemblies for radio and TV receivers - Frequency range 0 MHz to 3 000 MHz, IEC 61169-24 connectors (IEC 60966-2-6:2016)
Osnova: EN 60966-2-6:2017
ICS: 33.120.10

This document is a detail specification which applies to coaxial cables described in the IEC 61196 series. It relates to cable assemblies for radio and TV receivers, and in particular to the cable assemblies subfamily F (see IEC 61169-24). These cable assemblies are used as described in IEC 60728-4.

SIST EN 62129-1:2017 SIST EN 62129:2006
2017-04 (po) (en) 57 str. (J)
Umerjanje valovno-dolžinskih/optično-frekvenčnih merilnih instrumentov - 1. del: Analizatorji optičnega spektra (IEC 62129-1:2016)
Calibration of wavelength/optical frequency measurement instruments - Part 1: Optical spectrum analyzers (IEC 62129-1:2016)
Osnova: EN 62129-1:2016
ICS: 17.180.30, 33.180.01

This part of IEC 62129 specifies procedures for calibrating an optical spectrum analyzer that is developed for use in fibre-optic communications and designed to measure the power distribution of an optical spectrum. It does not apply to an optical wavelength meter that measures only centre wavelengths, a Fabry-Perot interferometer or a monochromator that has no display unit.

SIST/TC MOV Merilna oprema za elektromagnetne veličine

SIST EN 62368-1:2014/A11:2017
2017-04 (po) (en;fr;de) 3 str. (A)
Oprema za avdio/video, informacijsko in komunikacijsko tehnologijo - 1. del: Varnostne zahteve (IEC 62368-1:2014, spremenjen)
Audio/video, information and communication technology equipment - Part 1: Safety requirements (IEC 62368-1:2014, modified)
Osnova: EN 62368-1:2014/A11:2017
ICS: 35.020, 33.160.01

Dopolnilo A11 je dodatek k standardu SIST EN 62368-1:2014.
Standard EN IEC 62368 se uporablja za varnost električne in elektronske opreme na področju avdio, video, informacijske in komunikacijske tehnologije ter poslovnih in pisarniških strojev z nazivno napetostjo pod 600 V. Ta standard ne vključuje zahtev za značilnosti delovanja ali funkcijske značilnosti opreme. Ta del standarda ISO 62368 se ne uporablja za: – komponente in podsestave, namenjene vgradnji v to opremo. Skladnost takih komponent in podsestavov z vsako zahtevo iz standarda ni potrebna, če je skladna celotna oprema, ki vključuje take komponente in podsestave; – zunanje napajalne enote, namenjene napajanju druge opreme znotraj področja uporabe tega dela standarda IEC 62368; – dodatke, namenjene uporabi z opremo znotraj področja uporabe tega dela standarda IEC 62368. Ta del standarda IEC 62368 se ne uporablja za napajalne

sisteme, ki niso sestavni del opreme, kot so motorni-generatorski kompleti, baterijski pomožni sistemi in distribucijski transformatorji. Ta del standarda IEC 62328 podaja varnostne ukrepe za navadne, poučene in usposobljene osebe. Dodatne zahteve se lahko uporabljajo za opremo, ki je jasno zasnovana ali namenjena za uporabo otrok ali je zlasti privlačna za otroke. Ta standard predvideva višino 2000 m, če proizvajalec ne določi drugače. Ta del standarda IEC 62368 ne velja za opremo, ki se uporablja na mokrih območjih. Uporabljajo se lahko dodatne zahteve. Dodatne zahteve za opremo, namenjeno postavitvi na prostem, so podane v standardu IEC 60950-22. Ta del standarda IEC 62368 ne obravnava: – proizvodnih procesov, razen preskušanja varnosti; – škodljivih učinkov plinov, sproščenih med toplotnim razkrajanjem ali zgorevanjem; – procesov odstranjevanja; – učinkov prevoza (razen učinkov, navedenih v tem standardu); – učinkov hranjenja materialov, komponent ali same opreme; – verjetnosti poškodb zaradi sevanja delcev, kot so delci alfa in beta; – verjetnosti toplotne poškodbe zaradi sevane toplotne energije ali toplotne energije, prenesene s konvekcijo; – verjetnosti poškodbe zaradi vnetljivih tekočin; – uporabe opreme v s kisikom obogatenih ali eksplozivnih atmosferah; – izpostavljenosti kemikalijam poleg kemikalij, navedenih v točki 7; – primerov elektrostatične izpraznitve; – okoljskih vidikov; – zahtev glede funkcionalne varnosti.

SIST/TC OGS Ogrevanje stavb

SIST EN 14037-1:2017 SIST EN 14037-1:2004
2017-04 (po) (en) 32 str. (G)
Prosto viseče grelne in hladilne površine za vodo s temperaturo do 120 °C - 1. del: Predizdelane stropne sevalne plošče za ogrevanje prostora - Tehnične specifikacije in zahteve
Free hanging heating and cooling surfaces for water with a temperature below 120 °C - Part 1: Pre-fabricated ceiling mounted radiant panels for space heating - Technical specifications and requirements
Osnova: EN 14037-1:2016
ICS: 91.140.10

Definition of technical specifications and requirements of prefabricated hot water radiant panels fed with water at temperatures below 120 °C supplied by a remote heat source and definition of the additional common data that the manufacturer shall provide to the trade in order to ensure the correct application of the products. The document does not apply to independent heating appliances.

SIST EN 14037-2:2017 SIST EN 14037-2:2004
2017-04 (po) (en) 36 str. (H)
Prosto viseče grelne in hladilne površine za vodo s temperaturo do 120 °C - 2. del: Predizdelane stropne sevalne plošče za ogrevanje prostora - Metoda preskušanja toplotne moči
Free hanging heating and cooling surfaces for water with a temperature below 120 °C - Part 2: Pre-fabricated ceiling mounted radiant panels for space heating - Test method for thermal output
Osnova: EN 14037-2:2016
ICS: 91.140.10

This European Standard describes the test method and the test installation for determining the thermal output of pre-fabricated ceiling mounted radiant panels according to the specifications of EN 14037-1:2016, 3.3.1.

SIST EN 14037-3:2017 SIST EN 14037-3:2004
2017-04 (po) (en) 8 str. (B)
Prosto viseče grelne in hladilne površine za vodo s temperaturo do 120 °C - 3. del: Predizdelane stropne sevalne plošče za ogrevanje prostora - Metoda razvrščanja in vrednotenja sevalne toplotne moči
Free hanging heating and cooling surfaces for water with a temperature below 120 °C - Part 3: Prefabricated ceiling mounted radiant panels for space heating - Rating method and evaluation of radiant thermal output
Osnova: EN 14037-3:2016
ICS: 91.140.10

This European standard describes the procedure to determine the rated thermal output (D) and the mean surface temperature (trp).
Ceiling mounted radiant panels exchange heat mainly by radiation.
The test methods to determine the thermal output of ceiling mounted radiant panels, as described in EN 14037-2, give reliable results for comparing different products, but these results understate the output obtained under real operating conditions.

SIST EN 14037-4:2017
2017-04 (po) (en) 16 str. (D)
Prosto viseče grelne in hladilne površine za vodo s temperaturo do 120 °C - 4. del: Predizdelane stropne sevalne plošče - Metoda preskušanja hladilne moči
Free hanging heating and cooling surfaces for water with a temperature below 120 °C - Part 4: Prefabricated ceiling mounted radiant panels - Test method for cooling capacity
Osnova: EN 14037-4:2016
ICS: 91.140.10

This European Standard defines the technical specifications and requirements for the definition of the cooling capacity of ceiling mounted radiant panels according to the specifications of prEN 14037-1:2011, 3.3.1. The test according to this standard requires the measurement of the thermal output according to EN 14037-2 of the model.

SIST EN 14037-5:2017
2017-04 (po) (en) 21 str. (F)
Prosto viseče grelne in hladilne površine za vodo s temperaturo do 120 °C - 5. del: Odprte ali zaprte stropne grelne površine - Metoda preskušanja toplotne moči
Free hanging heating and cooling surfaces for water with a temperature below 120 °C - Part 5: Open or closed heated ceiling surfaces - Test method for thermal output
Osnova: EN 14037-5:2016
ICS: 91.140.10

This European Standard describes the test method and the test installation for determining the thermal output of ceiling mounted heating surfaces according to the specifications of prEN 14037-1:2011, 3.3.2, 3.3.3 and 3.3.4.
This part applies to determine thermal output when chilled ceilings according to EN 14240 are also used for heating.
NOTE Test results according to this part cannot be compared with results according to EN 14037-2 because great discrepancies are given at open ceilings, convective components and heating surfaces without upper insulation.

SIST EN 16282-2:2017
2017-04 (po) (en;fr;de) 18 str. (E)
Oprema za profesionalne kuhinje - Sestavni deli za prezračevanje v kuhinjah - 2. del: Kuhinjske prezračevalne nape - Projektiranje in varnostne zahteve
Equipment for commercial kitchens - Components for ventilation in commercial kitchens - Part 2: Kitchen ventilation hoods; design and safety requirements
Osnova: **EN 16282-2:2016**
ICS: **91.140.30, 97.040.99**

This European Standard specifies requirements for the design, construction and operation of kitchen ventilation hoods, including technical safety, ergonomic and hygienic features.
This European Standard is applicable to ventilation systems in commercial kitchens, associated areas and other installations processing foodstuffs intended for commercial use. Kitchens and associated areas are special rooms in which meals are prepared, where tableware and equipment is washed, cleaned, food is stored and food waste areas.
This European Standard is not applicable to hoods that are used in domestic kitchens.
A method of verification of each requirement is also specified. Unless otherwise specified, the requirements of this standard shall be checked by way of inspection and/or measurement.
NOTE Please note the possible existence of additional or alternative local national regulations on installation, appliance requirements and inspection, maintenance and operation.

SIST EN 16282-3:2017
2017-04 (po) (en;fr;de) 18 str. (E)
Oprema za profesionalne kuhinje - Sestavni deli za prezračevanje v kuhinjah - 3. del: Prezračevanje kuhinjskih stropov - Projektiranje in varnostne zahteve
Equipment for commercial kitchens - Components for ventilation in commercial kitchens - Part 3: Kitchen ventilation ceilings; design and safety requirements
Osnova: **EN 16282-3:2016**
ICS: **91.140.30, 97.040.99**

This European Standard specifies requirements for the design, construction and operation of kitchen ventilation ceilings, including technical safety, ergonomic and hygienic features.
This European Standard is applicable to ventilation systems in commercial kitchens, associated areas and other installations processing foodstuffs intended for commercial use. Kitchens and associated areas are special rooms in which meals are prepared, where tableware and equipment is washed, cleaned and food is stored.
This European Standard is not applicable to kitchen ventilation systems that are used in domestic kitchens.
A method of verification of each requirement is also specified.
Unless otherwise specified, the requirements of this standard shall be checked by way of inspection and/or measurement.
NOTE Please note the possible existence of additional or alternative local national regulations on installation, appliance requirements and inspection, maintenance and operation.

SIST EN 16282-4:2017
2017-04 (po) (en;fr;de) 12 str. (C)
Oprema za profesionalne kuhinje - Sestavni deli za prezračevanje v kuhinjah - 4. del: Dovodi in odvodi zraka - Projektiranje in varnostne zahteve
Equipment for commercial kitchens - Components for ventilation in commercial kitchens - Part 4: Air inlets and outlets; design and safety requirements
Osnova: **EN 16282-4:2016**
ICS: **91.140.30, 97.040.99**

This European Standard specifies the requirements covering the construction and operation of air passage components including technical safety, ergonomic and hygienic features.
This European Standard is applicable to ventilation systems in commercial kitchens, associated

areas and other installations processing foodstuffs intended for commercial use. Kitchens and associated areas are special rooms in which meals are prepared, where tableware and equipment is washed, cleaned, food is stored.
This European Standard is not applicable to ventilation systems that are used in domestic kitchens.
A method of verification of each requirement is also specified.
This standard stipulates the requirements covering the construction and operation, including the technical safety, ergonomic and hygienic features and their testing.
Unless otherwise specified, the requirements of this standard shall be checked by way of inspection and/or measurement.
NOTE Pleas note the possible existence of additional or alternative national regulations on installation, appliance requirements and inspection, maintenance and operation.

SIST EN 16573:2017
2017-04 (po) (en;fr;de) 60 str. (J)
Prezračevanje stavb - Preskušanje lastnosti sestavnih delov za stanovanjske stavbe - Večnamenske uravnotežene prezračevalne enote za posamična stanovanja, vključno s toplotnimi črpalkami
Ventilation for Buildings - Performance testing of components for residential buildings - Multifunctional balanced ventilation units for single family dwellings, including heat pumps
Osnova: EN 16573:2017
ICS: 91.140.30

This Standard specifies the laboratory test methods and test requirements for aerodynamic, energy rating and acoustic performance, of multifunctional balanced units intended for use in a single dwelling.
In the case of units consisting of several parts, this standard applies only to those designed and supplied as a complete package with the mount instructions.
It covers unit that contain at least, within one or more casing:
• supply and exhaust air fans;
• air filters
• common control system.
And one or more of the additional components
• Air to water heat pump;
• Air to air heat pump
• air-to-air heat exchanger
except units including either an air to air heat exchanger and/or exhaust air to supply air heat pump which are already covered by EN 13141-7.
A non-exhaustive list of possible configurations of multifunctional units covered by this standard is given in Clause 5.
The standard does not cover the thermal aspects of humidity transfer in the air-to-air heat exchanger.
This standard does not deal with non-ducted units on supply and extract air side.
This standard does not deal with collective units (centralised or semi-centralised systems)
These multifunctional balanced units can be connected to ground heat exchanger for air preheating, solar collector or other heating systems. This standard does not cover the testing of these additional components.
This standard does not cover units including combustion engine driven compression heat pumps and sorption heat pump.

SIST/TC OTR Izdelki za otroke

SIST EN 16120:2013+A2:2017 SIST EN 16120:2013+A1:2014/kprA2:2016
SIST EN 16120:2013+A1:2014

2017-04 (po) (en;fr;de) 41 str. (I)

Izdelki za otroke - Otroški sedeži, ki se pritrdijo na stol (vključno z dopolnilom A2)

Child use and care articles - Chair mounted seat

Osnova: EN 16120:2012+A2:2016
ICS: 97.190, 97.140

This European Standard specifies safety requirements and test methods for chair mounted seats intended to be positioned on an adult chair to raise the sitting position of a child able to sit unaided up to an age of 36 months or a maximum weight of 15 kg.
This European Standard does not apply to cushions, pads and to products only aimed at restraining the child on a chair without raising the child's sitting position.

SIST EN 71-12:2017 SIST EN 71-12:2013

2017-04 (po) (en;fr;de) 31 str. (G)

Varnost igrač - 12. del: N-nitrozamini in N-nitrozabilne snovi

Safety of toys - Part 12: N-Nitrosamines and N-nitrosatable substances

Osnova: EN 71-12:2016
ICS: 97.200.50

This European Standard specifies requirements for the migration of N-nitrosamines and N-nitrosatable substances from rubber and plastic toys and parts of toys made from elastomers and intended for use by children under 36 months or intended to be placed in the mouth by children under 36 months.
- toys and parts of toys made from elastomers and intended to be placed in the mouth by children under 36 months;
- finger paints for children under 36 months and intended to be placed in the mouth;
- finger paints for children under 36 months.

EXAMPLES Examples of toys made from elastomers are balloons and teethers.

SIST/TC PCV Polimerne cevi, fitingi in ventili

SIST EN ISO 15876-1:2017 SIST EN ISO 15876-1:2004
SIST EN ISO 15876-1:2004/A1:2007

2017-04 (po) (en) 17 str. (E)

Cevni sistemi iz polimernih materialov za napeljave z vročo in hladno vodo - Polibuten (PB) - 1. del: Splošno (ISO 15876-1:2017)

Plastics pipings systems for hot and cold water installations - Polybutene (PB) - Part 1: General (ISO 15876-1:2017)

Osnova: EN ISO 15876-1:2017
ICS: 23.040.20, 91.140.60

This Part of EN ISO 15876 specifies the general aspects of polybutene-1 (PB-1) piping systems intended to be used for hot and cold water installations within buildings for the conveyance of water whether or not intended for human consumption (domestic systems) and for heating systems, under design pressures and temperatures according to the class of application (see Table 1).
For the sake of simplicity the designation polybutene is used together with the abbreviation PB throughout this document.
This standard covers a range of service conditions (application classes) and design pressure and pipe dimension classes. For values of TD, Tmax and Tmal in excess of those in Table 1, this standard does not apply.
NOTE It is the responsibility of the purchaser or specifier to make the appropriate selections from these aspects, taking into account their particular requirements and any relevant national regulations and installation practices or codes.

It also specifies the test parameters for the test methods referred to in this standard. ISO 15876 is a reference product standard. It is applicable to pipes, fittings, their joints, and also to joints with components made of other plastics and non-plastics materials intended to be used for hot and cold water installations. This part of ISO 15876 is intended for use only in conjunction with all the other parts of ISO 15876.

SIST EN ISO 15876-2:2017 SIST EN ISO 15876-2:2004
SIST EN ISO 15876-2:2004/A1:2007

2017-04 (po) (en) 24 str. (F)

Cevni sistemi iz polimernih materialov za napeljave z vročo in hladno vodo - Polibuten (PB) - 2. del: Cevi (ISO 15876-2:2017)

Plastics piping systems for hot and cold water installations - Polybutene (PB) - Part 2: Pipes (ISO 15876-2:2017)

Osnova: EN ISO 15876-2:2017
ICS: 91.140.60, 23.040.20

This Part of EN ISO 15876 specifies the general aspects of polybutene-1 (PB-1) piping systems intended to be used for hot and cold water installations within buildings for the conveyance of water whether or not intended for human consumption (domestic systems), and for heating systems, under design pressures and temperatures appropriate to the class of application (see EN ISO 15876-1).
For the sake of simplicity the designation polybutene is used together with the abbreviation PB throughout this document.
This standard covers a range of service conditions (application classes), design pressures and pipe dimension classes. For values of TD, Tmax and Tmal in excess of those in Table 1of Part 1, this standard does not apply.
NOTE It is the responsibility of the purchaser or specifier to make the appropriate selections from these aspects, taking into account their particular requirements and any relevant national regulations and installation practices or codes.
It also specifies the test parameters for the test methods referred to in this standard.
ISO 15876 is a reference product standard. It is applicable to pipes, fittings, their joints, and also to joints with components made of other plastics and non-plastics materials intended to be used for hot and cold water installations. This part of ISO 15876 is intended for use only in conjunction with all the other parts of ISO 15876.
It is applicable to pipes with or without (a) barrier layer(s).

SIST EN ISO 15876-3:2017 SIST EN ISO 15876-3:2004

2017-04 (po) (en) 22 str. (F)

Cevni sistemi iz polimernih materialov za napeljave z vročo in hladno vodo - Polibuten (PB) - 3. del: Fitingi (ISO 15876-3:2017)

Plastics piping systems for hot and cold water installations - Polybutene (PB) - Part 3: Fittings (ISO 15876-3:2017)

Osnova: EN ISO 15876-3:2017
ICS: 91.140.60, 23.040.45

This Part of EN ISO 15876 specifies the characteristics of fittings for polybutene-1 (PB-1) piping systems intended to be used for hot and cold water installations within buildings for the conveyance of water, whether or not intended for human consumption (domestic systems) and for heating systems under design pressures and temperatures according to the class of application (see EN ISO 15876-1). For the sake of simplicity the designation polybutene is used together with the abbreviation PB throughout this document. This standard covers a range of service conditions (application classes) and design pressure classes. For values of TD, Tmax and Tmal in excess of those in Table 1 of EN ISO 15876-1, this standard does not apply. NOTE It is the responsibility of the purchaser or specifier to make the appropriate selections from these aspects, taking into account their particular requirements and any relevant national regulations and installation practices or codes. It also specifies the parameters for the test methods referred to in this standard.

ISO 15876 is a reference product standard. It is applicable to pipes, fittings, their joints, and also to joints with components made of other plastics and non-plastics materials intended to be used for hot and cold water installations. This part of ISO 15876 is intended for use only in conjunction with all the other parts of ISO 15876. This standard is applicable to fittings of the following types:
- socket fusion fittings
- electrofusion fittings
- mechanical fittings
- fittings with incorporated inserts

SIST EN ISO 15876-5:2017 SIST EN ISO 15876-5:2004
2017-04 (po) (en) 16 str. (D)
Cevni sistemi iz polimernih materialov za napeljave z vročo in hladno vodo - Polibuten (PB) - 5. del: Ustreznost sistema namenu (ISO 15876-5:2017)
Plastics piping systems for hot and cold water installations - Polybutene (PB) - Part 5: Fitness for purpose of the system (ISO 15876-5:2017)
Osnova: EN ISO 15876-5:2017
ICS: 23.040.20, 91.140.60

This Part of EN ISO 15876 specifies the characteristics of the fitness for purpose of polybutene-1 (PB-1) piping systems, intended to be used for hot and cold water installations within buildings for the conveyance of water, whether or not intended for human consumption, (domestic systems) and for heating systems, under design pressures and temperatures according to the class of application (see Table 1 of EN ISO 15876-1:2003).
For the sake of simplicity the designation polybutene is used together with the abbreviation PB throughout this document.
This standard covers a range of service conditions (application classes) and design pressure classes. For values of TD, Tmax and Tmal in excess of those in EN ISO 15876-1, this standard does not apply.
NOTE It is the responsibility of the purchaser or specifier to make the appropriate selections from these aspects, taking into account their particular requirements and any relevant national regulations and installation practices or codes.
It also specifies the test parameters for the test methods referred to in this standard.
ISO 15876 is a reference product standard. It is applicable to pipes, fittings, their joints, and also to joints with components made of other plastics and non-plastics materials intended to be used for hot and cold water installations. This part of ISO 15876 is intended for use only in conjunction with all the other parts of ISO 15876.

SIST-TS CEN/TS 12200-2:2017 SIST- TS CEN/TS 12200-2:2003
2017-04 (po) (en;fr;de) 20 str. (E)
Cevni sistemi iz polimernih materialov za odvod padavinskih voda za zunanjo uporabo - Nemehčan polivinilklorid (PVC-U) - 2. del: Smernice za ugotavljanje skladnosti
Plastics rainwater piping systems for above ground external use - Unplasticized poly(vinyl chloride) (PVC-U) - Part 2: Guidance for the assessment of conformity
Osnova: CEN/TS 12200-2:2017
ICS: 23.040.03

This part of EN 12200 gives guidance for the assessment of conformity of formulations, products, joints and assemblies in accordance with EN 12200 1:2016 intended to be included in the manufacturer's quality plan as part of the quality management system and for the establishment of third-party certification procedures.
NOTE In order to help the reader, a basic test matrix is given in Annex A.
In conjunction with EN 12200 1:2016, this document is applicable to piping systems made of unplasticized poly(vinyl chloride) (PVC-U) intended to be used for above ground external rainwater, and to fittings and brackets made of acrylic materials which may be used in combination with the pipes.

SIST/TC PLN Plinske naprave za dom

SIST EN 13203-4:2017
2017-04 (po) (en;fr;de) 45 str. (I)
Plinske gospodinjske naprave za pripravo tople sanitarne vode - 4. del: Ocenjevanje porabe energije plinskih naprav za soproizvodnjo tople vode in elektrike (mCHP)
Gas-fired domestic appliances producing hot water - Part 4: Assessment of energy consumption of gas combined heat and power appliances (mCHP) producing hot water and electricity
Osnova: **EN 13203-4:2016**
ICS: **91.140.65**

This European Standard is applicable to gas-fired mCHP appliances producing domestic hot water and electricity. The electricity is generated in a process linked to the production of useful heat.
It applies to a mCHP appliances marketed as single unit or as a package fully specified by a manufacturer that have:
- a gas heat input not exceeding 70 kW;
- an electrical output not exceeding 50 kW and
- a hot water storage capacity not exceeding 500 l.
EN 13203 1 sets out in qualitative and quantitative terms the performance in delivery of domestic hot water for a variety of uses. It also gives a system for presenting the information to the user.
The present document sets out a method for assessing the energy performance of gas fired mCHP appliances. It defines a number of daily tapping cycles for each domestic hot water use, kitchen, shower, bath and a combination of these, together with corresponding test procedures, enabling the energy performances of different gas-fired appliances to be compared and matched to the needs of the user.
When the mCHP generator does not supply domestic hot water in the summer period, the present standard is not applicable. EN 13203 2 will be used for performance assessment of these generators.

SIST/TC POD Prenapetostni odvodniki

SIST EN 61643-351:2017
2017-04 (po) (en) 29 str. (G)
Sestavni deli za nizkonapetostne naprave za zaščito pred prenapetostnimi udari - 351. del: Zahtevane lastnosti in metode preskušanja za izolacijske transformatorje (SIT) v telekomunikacijskih in signalnih omrežjih
Components for lowvoltage surge protective devices - Part 351: Performance requirements and test methods for telecommunications and signalling network surge isolation transformers (SIT)
Osnova: **EN 61643-351:2017**
ICS: **29.240.10, 33.040.99**

Surge isolation transformers (SITs) are used for signal transformer applications with signal levels up to 400 V peak to peak. SITs are transformers, with or without an internal-winding screen, with a rated impulse withstand voltage greater than the peak voltage of the expected common-mode surge environment. SITs are applicable to components for surge protection against indirect and direct effects of lightning or other transient overvoltage. SITs are used to mitigate the onward propagation of common-mode voltage surges. This part of IEC 61643 defines test circuits and test methods for determining and verifying the SIT surge parameters. Preferred performance values for key parameters are given. This part of IEC 61643 does not cover SIT operation under differential-mode lightning surge conditions.

SIST/TC PSE Procesni sistemi v energetiki

SIST EN 62351-11:2017
2017-04 (po) (en) 41 str. (I)
Upravljanje elektroenergetskega sistema in pripadajoča izmenjava informacij - Varnost podatkov in komunikacij - 11. del: Varnost datotek XML
Power systems management and associated information exchange - Data and communications security - Part 11: Security for XML files
Osnova: EN 62351-11:2017
ICS: 35.240.50, 29.240.30

This part of IEC 62351 specifies schema, procedures, and algorithms for securing XML documents that are used within the scope of the IEC as well as documents in other domains (e.g. IEEE, proprietary, etc.). This part is intended to be referenced by standards if secure exchanges are required, unless there is an agreement between parties in order to use other recognized secure exchange mechanisms.
This part of IEC 62351 utilizes well-known W3C standards for XML document security and provides profiling of these standards and additional extensions. The IEC 62351-11 extensions provide the capability to provide:
• Header: the header contains information relevant to the creation of the secured document such as the Date and Time when IEC 62351-11 was created.
• A choice of encapsulating the original XML document in an encrypted (Encrypted) or nonencrypted (nonEncrypted) format. If encryption is chosen, there is a mechanism provided to express the information required to actually perform encryption in an interoperable manner (EncryptionInfo).
• AccessControl: a mechanism to express access control information regarding information contained in the original XML document.
• Body: is used to contain the original XML document that is being encapsulated.
• Signature: a signature that can be used for the purposes of authentication and tamper detection.
For the measures described in this document to take effect, they must be accepted and referenced by the specifications themselves. This document is written to enable that process.
The subsequent audience for this part of IEC 62351 is intended to be the developers of products that implement these specifications.
Portions of this part of IEC 62351 may also be of use to managers and executives in order to understand the purpose and requirements of the work.

SIST/TC PVS Fotonapetostni sistemi

SIST EN 61215-2:2017 SIST EN 61215:2005
2017-04 (po) (en) 49 str. (I)
Prizemni fotonapetostni (PV) moduli - Ocena zasnove in odobritev tipa - 2. del: Preskusni postopki
Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 2: Test procedures
Osnova: EN 61215-2:2017
ICS: 27.160

This International Standard series lays down IEC requirements for the design qualification and type approval of terrestrial photovoltaic modules suitable for long-term operation in general open-air climates, as defined in IEC 60721-2-1. This part of IEC 61215 is intended to apply to all terrestrial flat plate module materials such as crystalline silicon module types as well as thin-film modules.
This standard does not apply to modules used with concentrated sunlight although it may be utilized for low concentrator modules (1 to 3 suns). For low concentration modules, all tests are performed using the current, voltage and power levels expected at the design concentration.
The objective of this test sequence is to determine the electrical and thermal characteristics of the module and to show, as far as possible within reasonable constraints of cost and time, that the

module is capable of withstanding prolonged exposure in general open-air climates. The actual lifetime expectancy of modules so qualified will depend on their design, their environment and the conditions under which they are operated.

SIST/TC SKA Stikalni in krmilni aparati

SIST EN 62271-212:2017 SIST EN 50532:2010
2017-04 (po) (en) 77 str. (L)
Visokonapetostne stikalne in krmilne naprave - 212. del: Kompaktni sestavi opreme za distribucijske podpostaje (CEADS) (IEC 62271-212:2016)
High-voltage switchgear and controlgear - Part 212: Compact Equipment Assemblies for Distribution Substation (CEADS) (IEC 62271-212:2016)
Osnova: EN 62271-212:2017
ICS: 29.130.10

This part of IEC 62271 specifies the service conditions, rated characteristics, general structural requirements and test methods of the assemblies of the main electrical functional units of a high-voltage/low-voltage distribution substation, duly interconnected, for alternating current of rated operating voltages above 1 kV and up to and including 52 kV on the highvoltage side, service frequency 50 Hz or 60 Hz. This assembly is to be cable-connected to the network, and intended for installation within an indoor or outdoor closed electrical operating area.
A Compact Equipment Assembly for Distribution Substation (CEADS) as defined in this document is designed and tested to be a single product with a single serial number and one set of documentation.
The functions of a CEADS are:
• switching and control for the operation of the high-voltage circuit(s);
• protection of the high-voltage/low-voltage transformer functional unit;
• high-voltage/low-voltage transformation;
• switching and control for the operation and protection of the low-voltage feeders. However relevant provisions of this document are also applicable to designs where not all of these functions exist (e.g. equipment comprising only high-voltage/low-voltage transformation and switching and control for the operation and protection of the low-voltage feeder functions or equipment without switching and control for the operation of the high-voltage circuit(s)).
NOTE For the purpose of this document a self-protected transformer is considered not as a CEADS, but as a functional unit, designed and type tested to its own product standard IEC 60076-13:2006.

SIST/TC TOP Toplota

SIST EN 12976-1:2017 SIST EN 12976-1:2006
2017-04 (po) (en;fr;de) 33 str. (H)
Toplotni sončni sistemi in sestavni deli - Industrijsko izdelani sistemi - 1. del: Splošne zahteve
Thermal solar systems and components - Factory made systems - Part 1: General requirements
Osnova: EN 12976-1:2017
ICS: 27.160

This European Standard specifies requirements on durability, reliability and safety for Factory Made solar heating systems. The standard also includes provisions for evaluation of conformity to these requirements.
The requirements in this standard apply to Factory Made solar systems as products. The installation of these systems itself is not considered, but requirements are given for the documentation for the installer and the user which is delivered with the system (see also 4.6).
External auxiliary water heating devices that are placed in series with the Factory Made system are not considered to be part of the system. Cold water piping from the cold water grid to the system as well as piping from the system to an external auxiliary heater or to draw-off points is not considered to be part of the system. Piping between components of the Factory Made system is

considered to be part of the system. Any integrated heat exchanger or piping for space heating option (see Introduction, Note 3) is not considered to be part of the system.

SIST EN 12976-2:2017 SIST EN 12976-2:2006
2017-04 (po) (en;fr;de) 75 str. (L)
Toplotni sončni sistemi in sestavni deli - Industrijsko izdelani sistemi - 2. del: Preskusne metode
Thermal solar systems and components - Factory made systems - Part 2: Test methods
Osnova: EN 12976-2:2017
ICS: 27.160

This European Standard specifies test methods for validating the requirements for Factory Made Thermal Solar Heating Systems as specified in EN 12976-1. The standard also includes two test methods for thermal performance characterization by means of whole system testing.

SIST EN 16809-2:2017
2017-04 (po) (en;fr;de) 15 str. (D)
Toplotnoizolacijski proizvodi za stavbe - Proizvodi, izdelani na mestu vgradnje iz nevezanih in vezanih kroglic iz ekspandiranega polistirena (EPS) - 2. del: Specifikacija za nevezane in vezane proizvode po vgradnji
Thermal insulation products of buildings - In-situ formed products from loose-fill expanded polystyrene (EPS) beads and bonded expanded polystyrene beads - Part 2: Specification for the bonded and loose-fill products after installation
Osnova: EN 16809-2:2017
ICS: 91.100.60

This European Standard specifies the requirements for expanded polystyrene (EPS) beads and the adhesive, which are after installation used for the thermal insulation of buildings. The EPS beads and the adhesive are mixed and processed on site.
This standard does not specify the required level of a given property to be achieved by a product to demonstrate fitness for purpose in a particular application. The levels required for a given application are to be found in regulations or non-conflicting standards.
This standard does not cover factory made insulation products in the form of prefabricated shapes or boards made of bonded EPS beads.
Products with a declared thermal resistance lower than 0,25 (m˛ x K)/W or a declared thermal conductivity at 10 °C greater than 0,1 W/(m x K) are not covered by this standard.

SIST/TC TRM Terminologija

SIST IEC 60050-161:1999/A3:2017
2017-04 (po) (en,fr) 3 str. (A)
Mednarodni elektrotehniški slovar - 161. del: Elektromagnetna združljivost - Dopolnilo A3
Amendment 3 - International Electrotechnical Vocabulary - Part 161: Electromagnetic compatibility
Osnova: IEC 60050-161-am3
ICS: 33.100.01, 29.020, 01.040.29

Dopolnilo A3 je dodatek k standardu SIST IEC 60050-161:1999.
Replaces IEC 60050(902) (1973). It has the status of a horizontal standard in accordance with IEC Guide 108.

SIST IEC 60050-161:1999/A4:2017
2017-04 (po) (en,fr) 4 str. (A)
Mednarodni elektrotehniški slovar - 161. del: Elektromagnetna združljivost - Dopolnilo A4
Amendment 4 - International Electrotechnical Vocabulary - Part 161: Electromagnetic compatibility
Osnova: IEC 60050-161-am4
ICS: 01.040.29, 33.100.01, 29.020

Dopolnilo A4 je dodatek k standardu SIST IEC 60050-161:1999.
Replaces IEC 60050(902) (1973). It has the status of a horizontal standard in accordance with IEC Guide 108.

SIST IEC 60050-161:1999/A5:2017
2017-04 (po) (en,fr) 3 str. (A)
Mednarodni elektrotehniški slovar - 161. del: Elektromagnetna združljivost - Dopolnilo A5
Amendment 5 - International Electrotechnical Vocabulary - Chapter 161: Electromagnetic compatibility
Osnova: IEC 60050-161-am5
ICS: 33.100.01, 29.020, 01.040.29

Dopolnilo A5 je dodatek k standardu SIST IEC 60050-161:1999.
Replaces IEC 60050(902) (1973). It has the status of a horizontal standard in accordance with IEC Guide 108.

SIST IEC 60050-300:2008/A1:2017
2017-04 (po) (en,fr) 3 str. (A)
Mednarodni elektrotehniški slovar - Električne in elektronske meritve in merilni instrumenti - 312. del: Splošni izrazi, povezani z električnimi meritvami - Dopolnilo A1
Amendment 1 - International Electrotechnical Vocabulary - Electrical and electronic measurements and measuring instruments - Part 312: General terms relating to electrical measurements
Osnova: IEC 60050-300-am1
ICS: 29.020, 17.220.20, 01.040.17

Dopolnilo A1 je dodatek k standardu SIST IEC 60050-300:2008.
IEC 60050-300 vsebuje splošne izraze povezane z meritvami, električnimi meritvami in izraze, povezane s tipom instrumenta. V teh delih mednarodnega slovarja so izrazi in definicije podani v francoskem in angleškem jeziku, poleg teh pa so navedeni tudi izrazi v kitajskem (cn), nemškem (de), španskem (es), japonskem (ja), poljskem (pl), portugalskem (pt) in švedskem (sv) jeziku.

SIST IEC 60050-300:2008/A2:2017
2017-04 (po) (en,fr) 3 str. (A)
Mednarodni elektrotehniški slovar - Električne in elektronske meritve in merilni instrumenti - 314. del: Posebni izrazi, povezani s tipom instrumenta - Dopolnilo A2
Amendment 1 - International electrotechnical vocabulary - Electrical and electronic measurements and measuring instruments - Part 314: Specific terms according to the type of instrument
Osnova: IEC 60050-300 Amd. 2 Ed. 1.0
ICS: 29.020, 01.040.17, 17.220.20

Dopolnilo A2 je dodatek k standardu SIST IEC 60050-300:2008.
IEC 60050-300 vsebuje splošne izraze povezane z meritvami, električnimi meritvami in izraze, povezane s tipom instrumenta. V teh delih mednarodnega slovarja so izrazi in definicije podani v francoskem in angleškem jeziku, poleg teh pa so navedeni tudi izrazi v kitajskem (cn), nemškem (de), španskem (es), japonskem (ja), poljskem (pl), portugalskem (pt) in švedskem (sv) jeziku.

SIST IEC 60050-411:1999/A1:2017
2017-04 (po) (en,fr) 37 str. (H)
Mednarodni elektrotehniški slovar - 411. del: Rotacijski stroji - Dopolnilo A1
Amendment 1 - International Electrotechnical Vocabulary - Part 411: Rotating machinery
Osnova: IEC 60050-411-am1
ICS: 29.160.01, 01.040.29

Dopolnilo A1 je dodatek k standardu SIST IEC 60050-411:1999.

SIST IEC 60050-426:2008/A1:2017
2017-04 (po) (en,fr) 3 str. (A)
Mednarodni elektrotehniški slovar - 426. del: Oprema za eksplozivne atmosfere - Dopolnilo A1
Amendment 1 - International Electrotechnical Vocabulary - Part 426: Equipment for explosive atmospheres
Osnova: IEC 60050-426-am1
ICS: 29.260.20, 01.040.29

Dopolnilo A1 je dodatek k standardu SIST IEC 60050-426:2008.
this second edition cancels and replaces the first edition published in 1990. This edition constitutes a technical revision. This edition included the following significant technical changes with respect to the previous edition: Terms and definitions have been revised to align with those used in the documents listed in the normative references. It has the status of a horizontal standard in accordance with IEC Guide 108.

SIST IEC 60050-441:2017
2017-04 (po) (en,fr,ru) 59 str. (SJ)
Mednarodni elektrotehniški slovar - 441. del: Stikalne in krmilne naprave ter varovalke
International Electrotechnical Vocabulary – Chapter 441: Switchgears, controlgears and fuses
Osnova: IEC 60050-441
ICS: 29.120.50, 01.040.29

A glossary of the terms, with their definitions in English,French and Russian used in electrical engineering. The eguivalent terms, without definitions, are given in Dutch, German, Italian, Polish, Swedisch and Spanish. A separate index is given each of the nine languages.

SIST IEC 60050-441:2017/A1:2017
2017-04 (po) (en,fr) 15 str. (D)
Mednarodni elektrotehniški slovar - 441. del: Stikalne in krmilne naprave ter varovalke - Dopolnilo A1
International Electrotechnical Vocabulary - Chapter 441: Switchgears, controlgears and fuses
Osnova: IEC 60050-441-am1
ICS: 29.120.50, 01.040.29

Dopolnilo A1 je dodatek k standardu SIST IEC 60050-441:2017.

SIST IEC 60050-461:2017 SIST IEC 60050(461):1997
2017-04 (po) (en,fr) 176 str. (R)
Mednarodni elektrotehniški slovar - 461. del: Električni kabli
International Electrotechnical Vocabulary - Part 461: Electric cables
Osnova: IEC 60050-461 Ed. 2.0
ICS: 01.040.29, 29.060.20

This part of IEC 60050 covers terms and definitions used within the scope of TC 20 "Electric cables".

SIST IEC 60050-471:2017 SIST IEC 60050-471:1997
2017-04 (po) (en,fr) 58 str. (J)
Mednarodni elektrotehniški slovar - 471. del: Izolatorji
International Electrotechnical Vocabulary - Chapter 471: Insulators
Osnova: IEC 60050-471 Ed. 2.0
ICS: 01.040.29, 29.080.10

In some cases, it has been necessary to include in an IEV part a concept taken from another IEV part, or from another authoritative terminology document (VIM, ISO/IEC 2382, etc.), in both cases with or without modification to the definition (and possibly to the term). This is indicated by the mention of this source, printed in lightface, and placed between square brackets at the end of the definition.
Example: [131-03-13 MOD]
(MOD indicates that the definition has been modified)
Terms in additional IEV languages These terms are placed at the end of the entry, on separate lines (one single line for each language), preceded by the alpha-2 code for the language defined in ISO 639, and in the alphabetic order of this code. Synonyms are separated by semicolons.

SIST IEC 60050-471:2017/A1:2017
2017-04 (po) (en,fr) 3 str. (A)
Mednarodni elektrotehniški slovar - 471. del: Izolatorji - Dopolnilo A1
Amendment 1 - International Electrotechnical Vocabulary - Part 471: Insulators
Osnova: IEC 60050-471-am1
ICS: 29.080.10, 01.040.29

Dopolnilo A1 je dodatek k standardu SIST IEC 60050-471:2017.
In some cases, it has been necessary to include in an IEV part a concept taken from another IEV part, or from another authoritative terminology document (VIM, ISO/IEC 2382, etc.), in both cases with or without modification to the definition (and possibly to the term).
This is indicated by the mention of this source, printed in lightface, and placed between square brackets at the end of the definition.
Example: [131-03-13 MOD]
(MOD indicates that the definition has been modified)
Terms in additional IEV languages
These terms are placed at the end of the entry, on separate lines (one single line for each language), preceded by the alpha-2 code for the language defined in ISO 639, and in the alphabetic order of this code. Synonyms are separated by semicolons.

SIST IEC 60050-603:1997/A1:2017
2017-04 (po) (en,fr) 17 str. (E)
Mednarodni elektrotehniški slovar - 603. del: Proizvodnja, prenos in distribucija električne energije. Načrtovanje in vodenje elektroenergetskih sistemov - Dopolnilo A1
International Electrotechnical Vocabulary. Chapter 603: Generation, transmission and distribution of electricity - Power systems planning and management
Osnova: IEC 60050-603 Amd. 1 Ed. 1.0
ICS: 01.040.29, 29.240.01

Dopolnilo A1 je dodatek k standardu SIST IEC 60050-603:1997.

SIST IEC 60050-845:2017
2017-04 (po) (en,fr,de,ru) 378 str. (Z)
Mednarodni elektrotehniški slovar - Poglavje 845: Razsvetljava
International Electrotechnical Vocabulary - Chapter 845: Lighting
Osnova: IEC 60050-845
ICS: 91.160.01, 01.040.91

Comprises some 950 terms and definitions to promote international standardization in the use of quantities, units, symbols and terminology in the field of lighting. Is also CIE Publication 17.4: International Lighting Vocabulary. It has the status of a horizontal standard in accordance with IEC Guide 108.

SIST IEC 60050-903:2016/A1:2017
2017-04 (po) (en,fr) 9 str. (C)
Mednarodni elektrotehniški slovar - 903. del: Ocenjevanje tveganja - Dopolnilo A1
International Electrotechnical Vocabulary - Part 903: Risk assessment
Osnova: IEC 60050-903-am1
ICS: 29.020, 01.040.29

Dopolnilo A1 je dodatek k standardu SIST IEC 60050-903:2016.
Ta del standarda IEC 60050 vsebuje splošno terminologijo s področja ocenjevanja tveganja. Ima status usklajenega horizontalnega standarda v skladu z vodilom IEC 108, Smernice za zagotavljanje usklajenosti publikacij IEC – uporaba horizontalnih standardov.
Ta terminologija je skladna s terminologijo, razvito v drugih specializiranih delih standarda IEV. Ta horizontalni standard je namenjen predvsem tehničnim odborom za pripravo standardov v skladu z načeli vodila IEC 108. Ena od pristojnosti tehničnih odborov je, da med pripravo publikacij uporabljajo horizontalne standarde, kadar je to primerno. Vsebina tega horizontalnega standarda se ne uporablja, razen če je izrecno navedena ali zajeta v ustreznih publikacijah.

SIST IEC 60050-903:2016/A2:2017
2017-04 (po) (en,fr) 3 str. (A)
Mednarodni elektrotehniški slovar - 903. del: Ocenjevanje tveganja - Dopolnilo A2
Amendment 2 - International Electrotechnical Vocabulary - Part 903: Risk assessment
Osnova: IEC 60050-903-am2
ICS: 29.020, 01.040.29

Dopolnilo A2 je dodatek k standardu SIST IEC 60050-903:2016.
Ta del standarda IEC 60050 vsebuje splošno terminologijo s področja ocenjevanja tveganja. Ima status usklajenega horizontalnega standarda v skladu z vodilom IEC 108, Smernice za zagotavljanje usklajenosti publikacij IEC – uporaba horizontalnih standardov.
Ta terminologija je skladna s terminologijo, razvito v drugih specializiranih delih standarda IEV. Ta horizontalni standard je namenjen predvsem tehničnim odborom za pripravo standardov v skladu z načeli vodila IEC 108. Ena od pristojnosti tehničnih odborov je, da med pripravo publikacij uporabljajo horizontalne standarde, kadar je to primerno. Vsebina tega horizontalnega standarda se ne uporablja, razen če je izrecno navedena ali zajeta v ustreznih publikacijah.

SIST/TC VAZ Varovanje zdravja

SIST EN 868-2:2017 SIST EN 868-2:2009
2017-04 (po) (en;fr;de) 23 str. (F)
Embalaža za končno sterilizirane medicinske pripomočke - 2. del: Sterilizacijski embalažni materiali za zavijanje - Zahteve in preskusne metode
Packaging for terminally sterilized medical devices - Part 2: Sterilization wrap - Requirements and test methods
Osnova: EN 868-2:2017
ICS: 55.040, 11.080.30

This draft European Standard provides test methods and values for materials for sterile barrier systems and/or packaging systems that are intended to maintain sterility of terminally sterilized medical devices to the point of use.

The need for a protective packaging may be determined by the manufacturer and the user.
This part of EN 868 only introduces performance requirements and test methods that are specific to the products covered by this part of EN 868 but does not add or modify the general requirements specified in EN ISO 11607-1.
As such, the particular requirements in 4.2 can be used to demonstrate compliance with one or more but not all of the requirements of EN ISO 11607-1.
When additional materials are used inside the sterile barrier system in order to ease the organization, drying or aseptic presentation (e.g. inner wrap, container filter, indicators, packing lists, mats, instrument organizer sets, tray liners or an additional envelope around the medical device) then other requirements, including the determination of the acceptability of these materials during validation activities, may apply.
The materials specified in 4.2.2.1 to 4.2.2.3 of this part of EN 868 are intended for single use, the materials specified in 4.2.2.4 are intended for reuse.

SIST EN 868-3:2017 SIST EN 868-3:2009
2017-04 (po) (en;fr;de) 19 str. (E)
Embalaža za končno sterilizirane medicinske pripomočke - 3. del: Papir za izdelavo papirnatih vrečk (specifikacija EN 868-4) in papir za izdelavo vrečk in zvitkov (specifikacija EN 868-5) - Zahteve in preskusne metode
Packaging for terminally sterilized medical devices - Part 3: Paper for use in the manufacture of paper bags (specified in EN 868-4) and in the manufacture of pouches and reels (specified in EN 868-5) - Requirements and test methods
Osnova: **EN 868-3:2017**
ICS: **55.080, 11.080.30**

This draft European Standard provides test methods and values for paper, used in the manufacture of paper bags (specified in EN 868-4) and in the manufacture of pouches and reels (specified in EN 868-5) used as sterile barrier systems and/or packaging systems that are intended to maintain sterility of terminally sterilized medical devices to the point of use.
The need for a protective packaging may be determined by the manufacturer and the user.
This part of EN 868 only introduces performance requirements and test methods that are specific to the products covered by this part of EN 868 but does not add or modify the general requirements specified in EN ISO 11607-1.
As such, the particular requirements in 4.2 can be used to demonstrate compliance with one or more but not all of the requirements of EN ISO 11607-1.
When additional materials are used inside the sterile barrier system in order to ease the organization, drying or aseptic presentation (e.g. inner wrap, container filter indicators, packing lists, mats, instrument organizer sets, tray liners or an additional envelope around the medical device) then other requirements, including the determination of the acceptability of these materials during validation activities, may apply.
The materials specified in this part of EN 868 are intended for single use only.
NOTE **Applicable sterilization methods are specified by the manufacturer.**

SIST EN 868-4:2017 SIST EN 868-4:2009
2017-04 (po) (en;fr;de) 14 str. (D)
Embalaža za končno sterilizirane medicinske pripomočke - 4. del: Papirnate vrečke - Zahteve in preskusne metode
Packaging for terminally sterilized medical devices - Part 4: Paper bags - Requirements and test methods
Osnova: **EN 868-4:2017**
ICS: **55.080, 11.080.30**

This draft European Standard provides test methods and values for paper bags manufactured from paper specified in EN 868-3, used as sterile barrier systems and/or packaging systems that are intended to maintain sterility of terminally sterilized medical devices to the point of use.
The need for a protective packaging may be determined by the manufacturer and the user.

This part of EN 868 only introduces performance requirements and test methods that are specific to the products covered by this part of EN 868 but does not add or modify the general requirements specified in EN ISO 11607-1.
As such, the particular requirements in 4.2 to 4.6 can be used to demonstrate compliance with one or more but not all of the requirements of EN ISO 11607-1.
The materials specified in this part of EN 868 are intended for single use only.
When additional materials are used inside the sterile barrier system in order to ease the organization, drying or aseptic presentation (e.g. inner wrap, container filter indicators, packing lists, mats, instrument organizer sets, tray liners or an additional envelope around the medical device) then other requirements, including the determination of the acceptability of these materials during validation activities, may apply.

SIST EN 868-6:2017 SIST EN 868-6:2009
2017-04 (po) (en;fr;de) 19 str. (E)
Embalaža za končno sterilizirane medicinske pripomočke - 6. del: Papir za sterilizacijske procese z nizko temperaturo - Zahteve in preskusne metode
Packaging for terminally sterilized medical devices - Part 6: Paper for low temperature sterilization processes - Requirements and test methods
Osnova: EN 868-6:2017
ICS: 55.040, 11.080.30

This draft European Standard provides test methods and values for paper used in the manufacture of preformed sterile barrier systems and/or packaging systems that are intended to maintain sterility of terminally sterilized medical devices to the point of use.
The need for a protective packaging may be determined by the manufacturer and the user.
This part of EN 868 only introduces performance requirements and test methods that are specific to the products covered by this part of EN 868 but does not add or modify the general requirements specified in EN ISO 11607-1.
As such, the particular requirements in 4.2 to 4.3 can be used to demonstrate compliance with one or more but not all of the requirements of EN ISO 11607-1.
Paper specified in this part of the series EN 868 is intended for use in part or complete manufacture of pouches and form and fill packs and lidding material for packs.
NOTE 1 The paper specified in this part of the EN 868 series is suitable for the manufacture of sterile barrier systems to be used in ethylene oxide, irradiation or low temperature steam formaldehyde sterilization processes and to produce coated paper according to EN 868-7.
NOTE 2 Paper according to EN 868-3 can also be used for these sterilization processes.
The materials specified in this part of EN 868 are intended for single use only.
When additional materials are used inside the sterile barrier system in order to ease the organization, drying or aseptic presentation (e.g. inner wrap, container filters, indicators, packing lists, mats, instrument organizer sets, tray liners or an additional envelope around the medical device) then other requirements, including the determination of the acceptability of these materials during validation activities, may apply.

SIST EN 868-7:2017 SIST EN 868-7:2009
2017-04 (po) (en;fr;de) 25 str. (F)
Embalaža za končno sterilizirane medicinske pripomočke - 7. del: Papir, oplemeniten z lepilom, za sterilizacijske procese z nizko temperaturo - Zahteve in preskusne metode
Packaging for terminally sterilized medical devices - Part 7: Adhesive coated paper for low temperature sterilization processes - Requirements and test methods
Osnova: EN 868-7:2017
ICS: 55.040, 11.080.30

This draft European Standard provides test methods and values for sealable adhesive coated paper manufactured from paper complying with EN 868-6, used as sterile barrier systems and/or packaging systems that are intended to maintain sterility of terminally sterilized medical devices to

the point of use. The materials specified in this part are intended to be used for ethylene oxide or irradiation sterilization.
The need for a protective packaging may be determined by the manufacturer and the user.
This part of EN 868 only introduces performance requirements and test methods that are specific to the products covered by this part of EN 868 but does not add or modify the general requirements specified in EN ISO 11607-1.
As such, the particular requirements in 4.2 to 4.3 can be used to demonstrate compliance with one or more but not all of the requirements of EN ISO 11607-1.
When additional materials are used inside the sterile barrier system in order to ease the organization, drying or aseptic presentation (e.g. inner wrap, container filter, indicators, packing lists, mats, instrument organizer sets, tray liners or an additional envelope around the medical device) then other requirements, including the determination of the acceptability of these materials during validation activities, may apply.
The materials specified in this part of EN 868 are intended for single use only.

SIST EN ISO 13485:2016/AC:2017
2017-04 (po) (en) 4 str. (AC)
Medicinski pripomočki - Sistemi vodenja kakovosti - Zahteve za zakonodajne namene (ISO 13485:2016)
Medical devices - Quality management systems - Requirements for regulatory purposes (ISO 13485:2016)
Osnova: EN ISO 13485:2016/AC:2016
ICS: 11.020.01, 03.100.70

SIST EN ISO 5832-3:2017 SIST EN ISO 5832-3:2012
2017-04 (po) (en) 15 str. (D)
Vsadki (implantati) za kirurgijo - Kovinski materiali - 3. del: Titanova 6-aluminijeva 4-vanadijeva zlitina (ISO 5832-3:2016)
Implants for surgery - Metallic materials - Part 3: Wrought titanium 6-aluminium 4-vanadium alloy (ISO 5832-3:2016)
Osnova: EN ISO 5832-3:2016
ICS: 11.040.40

Specifies the characteristics of, and corresponding test methods for, the wrought titanium alloy known as titanium 6-aluminium 4-vanadium alloy (Ti 6-Al 4-V alloy) for use in the manufacture of surgical implants.

SIST EN ISO 7199:2017 SIST EN ISO 7199:2014
2017-04 (po) (en) 27 str. (G)
Vsadki (implantati) za srce in ožilje ter umetni organi - Izmenjevalniki krvnih plinov (oksigenatorji) (ISO 7199:2016)
Cardiovascular implants and artificial organs - Blood-gas exchangers (oxygenators) (ISO 7199:2016)
Osnova: EN ISO 7199:2017
ICS: 11.040.40

This document specifies requirements for sterile, single-use, extracorporeal blood-gas exchangers (oxygenators) intended for supply of oxygen to, and removal of carbon dioxide from, the blood of humans.
This document also applies to heat exchangers and arterial filters that are integral parts of the oxygenator.
This document also applies to external equipment unique to the use of the oxygenator.
This document does not apply to
— implanted oxygenators,
— liquid oxygenators,

— extracorporeal circuits (blood tubing),
— separate heat exchangers,
— separate ancillary devices, and
— separate arterial line filter.

SIST/TC VLA Vlaga

SIST EN 15651-1:2017 SIST EN 15651-1:2013
2017-04 (po) (en;fr;de) 22 str. (F)
Tesnilne mase za nekonstrukcijske stike v stavbah in na površinah za pešce - 1. del: Tesnilne mase za fasade
Sealants for non-structural use in joints in buildings and pedestrian walkways - Part 1: Sealants for facade elements
Osnova: EN 15651-1:2017
ICS: 91.060.10, 91.100.50

This European Standard specifies definitions and requirements for non-structural facade sealants intended for sealing exterior wall joints, window and door perimeter joints in building construction, including the interior face.
NOTE Provisions on assessment and verification of constancy of performance - AVCP (i.e. Product type determination and Factory Production Control) and marking of these products are given in EN 15651-5.
This European Standard does not apply to non-structural sealants in any of non-paste form, to those used in interior walls and/or partitions and to oil-based mastics.

SIST EN 15651-2:2017 SIST EN 15651-2:2013
2017-04 (po) (en;fr;de) 19 str. (E)
Tesnilne mase za nekonstrukcijske stike v stavbah in na površinah za pešce - 2. del: Tesnilne mase za zasteklitev
Sealants for non-structural use in joints in buildings and pedestrian walkways - Part 2: Sealants for glazing
Osnova: EN 15651-2:2017
ICS: 91.100.50

This European Standard specifies definitions and requirements for non-structural elastic sealants used for sealing glazing in building construction applications.
It covers glazing joints from 7° horizontal. Main areas of application are:
- glass to glass;
- glass to frame;
- glass to porous substrates.
Excluding aquariums, structural bonding/glazing, inner and outer seal to manufacture insulated glazing units, horizontal glazing (below 7°), organic glass (e.g. polycarbonate, PMMA, etc.).

SIST EN 15651-3:2017 SIST EN 15651-3:2013
2017-04 (po) (en;fr;de) 17 str. (E)
Tesnilne mase za nekonstrukcijske stike v stavbah in na površinah za pešce - 3. del: Tesnilne mase za stike v sanitarijah
Sealants for non-structural use in joints in buildings and pedestrian walkways - Part 3: Sealants for sanitary joints
Osnova: EN 15651-3:2017
ICS: 91.140.70, 91.100.50

This European Standard specifies definitions and requirements for sealants used for sealing of joints applied in sanitary areas in the interior of buildings exposed to non-pressurized water.
It covers joints in:

- bathrooms;
- toilets;
- showers;
- domestic kitchens;
- prefabricated elements in sanitary areas (e.g. shower cubicles).

Industrial, drinking water, underwater (swimming pools, sewage systems, etc.), food contact applications and sealing of glass-ceramic cooktop panels (stove tops, ceramic hobs) are excluded from the scope.

This European Standard does not provide criteria or recommendations for the design of joints and installation of sealants in sanitary applications.

NOTE Provisions on assessment and verification of constancy of performance - AVCP (i.e. Product type determination and Factory Production Control) and marking of these products are given in EN 15651-5.

This European Standard does not apply to non-structural sealants in any of non-paste form, to those used in sanitary joints and to oil-based mastics.

SIST EN 15651-4:2017 SIST EN 15651-4:2013

2017-04 (po) (en;fr;de) 24 str. (F)

Tesnilne mase za nekonstrukcijske stike v stavbah in na površinah za pešce - 4. del: Tesnilne mase za površine za pešce

Sealants for non-structural use in joints in buildings and pedestrian walkways - Part 4: Sealants for pedestrian walkways

Osnova: EN 15651-4:2017

ICS: 91.100.50

This European Standard specifies definitions and requirements for cold applied non-structural elastic sealants used for movement joints in floors in building construction for interior and exterior use.

Areas of application are: floor joints designed for pedestrian walkways, public areas, movement joints between concrete slabs, areas with pedestrian load, areas used with trolleys, walkable floors, balconies, terraces, warehouses.

NOTE Provisions on assessment and verification of constancy of performance - AVCP (i.e. Product type determination and Factory Production Control) and marking of these products are given in EN 15651-5.

Chemical containment, cold applied joint sealants for concrete pavements to be used in roads, airfields and sewage treatment plants, perimeter seals and seals in wood floors are excluded.

This European Standard does not apply to non-structural sealants in any of non-paste form, to those used in pedestrian walkways.

SIST EN 15651-5:2017 SIST EN 15651-5:2012

2017-04 (po) (en;fr;de) 13 str. (D)

Tesnilne mase za nekonstrukcijske stike v stavbah in na površinah za pešce - 5. del: Ocenjevanje in preverjanje nespremenljivosti lastnosti, označevanje in etiketiranje

Sealants for non-structural use in joints in buildings and pedestrian walkways - Part 5: Assessment and verification of constancy of performance, marking and labelling

Osnova: EN 15651-5:2017

ICS: 91.100.50

This European Standard specifies procedures for assessment and verification of constancy of performance of sealants for non-structural use in joints in building construction and pedestrian walkways.

SIST-TP CEN/TR 17068:2017
2017-04 (po) (en;fr;de) 10 str. (C)
Tesnilne mase za nekonstrukcijske stike v stavbah in na površinah za pešce - Navodilo za CE-označevanje in izjava o lastnostih
Sealants for non-structural use in joints in buildings and pedestrian walkways - Guidance for CE marking and Declaration of Performance (DoP)
Osnova: **CEN/TR 17068:2017**
ICS: **91.100.50**

This Technical Report provides guidance for CE marking and Declaration of Performance (DoP) for sealants for joints in building construction.

SIST/TC VPK Vlaknine, papir, karton in izdelki

SIST ISO 2470-1:2017 SIST ISO 2470-1:2013
2017-04 (po) (en) 16 str. (D)
Papir, karton in lepenka - Merjenje faktorja razpršene odsevnosti v modrem - 1. del: Pogoji osvetlitve v prostoru (belina po ISO)
Paper, board and pulps – Measurement of diffuse blue reflectance factor – Part 1: Indoor daylight conditions (ISO brightness)
Osnova: **ISO 2470-1:2016**
ICS: **85.060, 85.040**

This part of ISO 2470 specifies a method for measuring the diffuse blue reflectance factor (ISO brightness) of pulps, papers and boards.
This part of ISO 2470 is limited in its scope to white and near-white pulps, papers and boards. The measurement can only be made in an instrument in which the ultraviolet energy level of the illumination has been adjusted to correspond to the CIE illuminant C[6] using a fluorescent reference standard.
The CIE illuminant C is taken to be representative of indoor daylight conditions because it contains a suitable proportion of UV radiation.[9]
NOTE The property called D65 brightness is measured with an instrument adjusted to correspond with CIE standard illuminant D65,[4] which has a much higher UV content than that specified in this part of ISO 2470. The measurement of D65 brightness is described in ISO 2470-2.[2]

SIST-TS 1190:2017
2017-04 (izv) (sl) 19 str. (SE)
Papir, karton, lepenka in valoviti karton (PKL) – Arhivska kakovost za pripravo zapisa, dokumenta, knjige in za zaščito dokumentnega gradiva na papirju
Paper and board (paperboard, cardboard and corrugated board) – Archive quality for preparation of the record, document, books, and for protection of document materials on paper
Osnova:
ICS: **97.195, 85.060**

The document identifies the types of paper and board (cardboard, paperboard and corrugated board), which meet archival quality for the preparation of the record, document, books, and for the protection of archival material on paper and used in the preservation of heritage on paper.

SIST/TC ZEM Zemeljska dela

SIST-TS CEN/TS 17006:2017
2017-04 (po) (en;fr;de) 27 str. (G)
Zemeljska dela - Kontinuirana kontrola zgoščanja (CCC)
Earthworks - Continuous Compaction Control (CCC)
Osnova: CEN/TS 17006:2016
ICS: 93.020

This technical specification provides guidance, specifications and requirements on the use of Continuous Compaction Control (CCC) as a quality control method in earthworks by means of roller integrated dynamic measuring and documentation systems.
The CCC method is suitable for soils, granular materials and rockfill materials which can be compacted using vibratory rollers.
NOTE A continuous Compaction Control (CCC) technology based on the measure of propel energy necessary to overcome the rolling resistance is also available and can be used as a quality control method in earthworks. The propelling power of the compactor provides an indication of the material stiffness and it is measured as a function of the machine ground speed, slope angle and rolling resistance. This method is not included in this document.

SIST/TC ŽEN Železniške električne naprave

SIST EN 50121-1:2017 SIST EN 50121-1:2015
2017-04 (po) (en) 13 str. (D)
Železniške naprave - Elektromagnetna združljivost - 1. del: Splošno
Railway applications - Electromagnetic compatibility - Part 1: General
Osnova: EN 50121-1:2017
ICS: 45.020, 33.100.01

This European standard outlines the structure and the content of the whole set. It specifies the performance criteria applicable to the whole standards series. Clause 5 provides information about the EMC management.
This part alone is not sufficient to give presumption of conformity to the essential requirements of the EMC-Directive and is intended to be used in conjunction with other parts of this standard. Annex A describes the characteristics of the railway system which affect electromagnetic compatibility (EMC) behaviour.
Phenomena excluded from the set are Nuclear EM pulse, abnormal operating conditions (e.g. fault conditions) and the induction effects of direct lightning strike.
Emission limits at the railway system boundary do not apply to intentional transmitters within the railway system boundaries.
Safety considerations are not covered by this set of standards.
The biological effects of non-ionizing radiation as well as apparatus for medical assistance, such as pacemakers, are not considered here.

SIST EN 50121-2:2017 SIST EN 50121-2:2015
2017-04 (po) (en) 25 str. (F)
Železniške naprave - Elektromagnetna združljivost - 2. del: Sevanje celotnega železniškega sistema v okolje
Railway applications - Electromagnetic compatibility - Part 2: Emission of the whole railway system to the outside world
Osnova: EN 50121-2:2017
ICS: 45.020, 33.100.10

This European Standard is intended to define the electromagnetic environment of the whole railway system including urban mass transit and light rail system. It describes the measurement

method to verify the emissions, and gives the cartography values of the fields most frequently encountered.
This European Standard specifies the emission limits of the whole railway system to the outside world.
The emission parameters refer to the particular measuring points defined in Clause 5. These emissions should be assumed to exist at all points in the vertical planes which are 10 m from the centre lines of the outer electrified railway tracks, or 10 m from the fence of the substations.
Also, the zones above and below the railway system may be affected by electromagnetic emissions and particular cases need to be considered individually.
These specific provisions need to be used in conjunction with the general provisions in EN 50121-1.
For existing railway lines, it is assumed that compliance with the emission requirements of EN 50121-3-1, EN 50121-3-2, EN 50121-4 and EN 50121 5 will ensure the compliance with the emission values given in this part.
For newly build railway systems it is best practice to provide compliance to the emission limits given in this part of the standard (as defined in the EMC plan according to EN 50121-1).

SIST EN 50121-3-1:2017 SIST EN 50121-3-1:2015
2017-04 (po) (en) 20 str. (E)
Železniške naprave - Elektromagnetna združljivost - 3-1. del: Vozna sredstva - Vlak in celotno vozilo
Railway applications - Electromagnetic compatibility - Part 3-1: Rolling stock - Train and complete vehicle
Osnova: EN 50121-3-1:2017
ICS: 45.060.01, 33.100.01

This European Standard specifies the emission and immunity requirements for all types of rolling stock. It covers traction stock, hauled stock and trainsets including urban vehicles for use in city streets. This European standard specifies the emission limits of the rolling stock to the outside world.
The scope of this part of the standard ends at the interface of the rolling stock with its respective energy inputs and outputs. In the case of locomotives, trainsets, trams etc., this is the current collector (pantograph, shoe gear). In the case of hauled stock, this is the AC or DC auxiliary power connector. However, since the current collector is part of the traction stock, it is not entirely possible to exclude the effects of this interface with the power supply line. The slow moving test has been designed to minimize these effects.
There may be additional compatibility requirements within the railway system identified in the EMC plan (e.g. as specified in EN 50238).
Basically, all apparatus to be integrated into a vehicle meet the requirements of EN 50121-3-2. In exceptional cases, where apparatus meets another EMC Standard, but full compliance with EN 50121-3-2 is not demonstrated, EMC is ensured by adequate integration measures of the apparatus into the vehicle system and/or by an appropriate EMC analysis and test which justifies deviating from EN 50121-3-2.
Electromagnetic interference concerning the railway system as a whole is dealt with in EN 50121-2.
These specific provisions are to be used in conjunction with the general provisions in EN 50121-1.
The frequency range considered is from 0 Hz (DC) to 400 GHz. No measurements need to be performed at frequencies where no requirement is specified.

SIST EN 50121-3-2:2017 SIST EN 50121-3-2:2015
2017-04 (po) (en) 24 str. (F)
Železniške naprave - Elektromagnetna združljivost - 3-2. del: Vozna sredstva - Naprave
Railway applications - Electromagnetic compatibility - Part 3-2: Rolling stock - Apparatus
Osnova: EN 50121-3-2:2016
ICS: 45.060.01, 33.100.01

This European Standard applies to emission and immunity aspects of EMC for electrical and electronic apparatus intended for use on railway rolling stock. EN 50121-3-2 applies for the integration of apparatus on rolling stock.
The frequency range considered is from DC to 400 GHz. No measurements need to be performed at frequencies where no requirement is specified.
The application of tests shall depend on the particular apparatus, its configuration, its ports, its technology and its operating conditions.
This standard takes into account the internal environment of the railway rolling stock and the external environment of the railway, and interference to the apparatus from equipment such as hand-held radio-transmitters.
If a port is intended to transmit or receive for the purpose of radio communication (intentional radiators, e.g. transponder systems), then the radiated emission requirement in this standard is not intended to be applicable to the intentional transmission from a radio-transmitter as defined by the ITU.
Immunity limits do not apply in the exclusion bands as defined in the corresponding EMC related standard for radio equipment.
This standard does not apply to transient emissions when starting or stopping the apparatus.
The objective of this standard is to define limits and test methods for electromagnetic emissions and immunity test requirements in relation to conducted and radiated disturbances.
These limits and tests represent essential electromagnetic compatibility requirements.
Emission requirements have been selected so as to ensure that disturbances generated by the apparatus operated normally on railway rolling stock do not exceed a level which could prevent other apparatus from operating as intended. The emission limits given in this standard take precedence over emission requirements for individual apparatus on board the rolling stock given in other standards.
Likewise, the immunity requirements have been selected so as to ensure an adequate level of immunity for rolling stock apparatus.
The levels do not however cover all cases which may occur with an extremely low probability of occurrence in any location. Specific requirements which deviate from this standard shall be specified.
Test requirements are specified for each port considered.
These specific provisions are to be used in conjunction with the general provisions in EN 50121-1.

SIST EN 50121-4:2017 SIST EN 50121-4:2015
2017-04 (po) (en) 17 str. (E)
Železniške naprave - Elektromagnetna združljivost - 4. del: Sevanje in odpornost signalnih in telekomunikacijskih naprav
Railway applications - Electromagnetic compatibility - Part 4: Emission and immunity of the signalling and telecommunications apparatus
Osnova: **EN 50121-4:2016**
ICS: **45.020, 33.100.01**

This European Standard applies to signalling and telecommunication apparatus that is installed inside the railway environment. Signalling and telecommunication apparatus mounted in vehicles is covered by FprEN 50121 3 2:2016, signalling and telecommunication apparatus installed inside the substation and connected to substation equipment is covered by FprEN 50121 5:2016.
This European Standard specifies limits for emission and immunity and provides performance criteria for signalling and telecommunications (S&T) apparatus (including power supply systems belonging to S&T) which may interfere with other apparatus inside the railway environment, or increase the total emissions for the railway environment and so risk causing Electro-Magnetic Interference (EMI) to apparatus outside the railway system.
The requirements specified given in this standard apply for:
- vital equipment such as interlocking or command and control;
- apparatus inside the 3 m zone;
- ports of apparatus inside the 10 m zone with connection inside the 3 m zone;
- ports of apparatus inside the 10 m zone with cable length > 30 m.

Other apparatus not covered by at least one of these given cases should be in compliance with EN 61000 6 2.
If a port is intended to transmit or receive for the purpose of radio communication (intentional radiators, e.g. transponder systems), then the radiated emission requirement in this standard are not intended to be applicable to the intentional transmission from a radio-transmitter as defined by the ITU.
Immunity limits do not apply in the exclusion bands as defined in the corresponding EMC related standard for radio equipment.
The standard does not specify basic personal safety requirements for apparatus such as protection against electric shock, unsafe operation, insulation co-ordination and related dielectric tests. The requirements were developed for and are applicable to this set of apparatus when operating under normal conditions. Fault conditions of the apparatus have not been taken into account.
The frequency range considered is from DC to 400 GHz. No measurements need to be performed at frequencies where no requirement is specified.
For products in the scope of EN 61000 3 2, EN 61000 3 3, EN 61000 3 11 or EN 61000 3 12 the requirements of those standards also apply.
These specific provisions are to be used in conjunction with the general provisions in FprEN 50121 1:2016.
The immunity and emission levels do not of themselves guarantee that the integration of apparatus will necessarily be satisfactory. The standard cannot cover all the possible configurations of the apparatus, but the test levels are sufficient to achieve satisfactory EMC in the majority of cases.

SIST EN 50122-1:2011/A2:2017
2017-04 (po) (en;fr;de) 5 str. (B)
Železniške naprave - Stabilne naprave električne vleke - Električna varnost, ozemljitev in povratni tokokrog - 1. del: Zaščitni ukrepi proti električnemu udaru
Railway applications - Fixed installations - Electrical safety, earthing and the return circuit - Part 1: Protective provisions against electric shock
Osnova: EN 50122-1:2011/A2:2016
ICS: 13.260, 29.280

Dopolnilo A2 je dodatek k standardu SIST EN 50122-1:2011.
Ta evropski standard določa zahteve za zaščitne ukrepe v zvezi z električno varnostjo pri stabilnih napravah električne vleke na izmenični in/ali enosmerni tok in pri vseh inštalacijah, ki jih lahko ogroža napajanje sistema za vleko. Velja tudi za vse vidike stabilnih naprav, potrebnih za zagotavljanje električne varnosti med vzdrževalnim delom v električnih sistemih vleke. Ta evropski standard velja za vse nove vode in za vse večje prenove obstoječih vodov za naslednje električne sisteme vleke: a) železnice; b) vodene sisteme množičnega prevoza, kot so 1) tramvajske proge, 2) nadzemne in podzemne železnice, 3) gorske železnice, 4) trolejbusni sistemi in 5) sistemi z magnetnim lebdenjem, ki uporabljajo sistem voznih vodov, c) sisteme za prevoz materiala. Ta evropski standard ne velja za: d) rudniške vlečne sisteme v podzemnih rudnikih; e) žerjave, prenosne platforme in podobno opremo za prevoz po tirih, začasne strukture (npr. razstavne strukture), če niso napajane neposredno ali preko transformatorjev s sistema voznih vodov in jih ne ogroža napajanje sistema za vleko; f) viseče kabinske žičnice; g) vzpenjače. Ta evropski standard ne določa delovnih pravil za vzdrževanje.

SIST EN 50152-3-1:2017 SIST EN 50152-3-1:2004
2017-04 (po) (en) 19 str. (E)
Železniške naprave - Stabilne naprave električne vleke - Posebne zahteve za stikalne naprave za izmenični tok - 3-1. del: Merilne, krmilne in zaščitne naprave za izključno uporabo v izmeničnih vlečnih sistemih - Naprave
Railway applications - Fixed installations - Particular requirements for a.c. switchgear - Part 3-1: Measurement, control and protection devices for specific use in a.c. traction systems - Devices
Osnova: EN 50152-3-1:2017
ICS: 29.130.99, 29.280

This draft European Standard is applicable to new low voltage devices for measurement, control and protection which are:
- for indoor or outdoor fixed installations in traction systems, and
- operated in conjunction with high voltage equipment with an a.c. line voltage and frequency as specified in EN 50163.
NOTE EN 50163 specifies the a.c. traction systems 15 kV 16,7 Hz and 25 kV 50 Hz.
This draft European Standard will also be applied to measurement, control and protective devices other than low voltage devices and not covered by a specific railway product standard as far as reasonably possible. Requirements of this document prevail.

SIST EN 50152-3-2:2017 SIST EN 50152-3-2:2002
2017-04 (po) (en) 11 str. (C)
Železniške naprave - Stabilne naprave električne vleke - Posebne zahteve za stikalne naprave za izmenični tok - 3-2. del: Merilne, krmilne in zaščitne naprave za izključno uporabo v izmeničnih vlečnih sistemih - Tokovni transformatorji
Railway applications - Fixed installations - Particular requirements for a.c. switchgear - Part 3-2: Measurement, control and protection devices for specific use in a.c. traction systems - Current transformers
Osnova: EN 50152-3-2:2016
ICS: 29.130.99, 29.280

This EN 50152-3-2 is applicable to new current transformers which are:
• for indoor or outdoor fixed installations in traction systems,
• operated with an a.c. line voltage and frequency as specified in EN 50163.
NOTE 1 EN 50163 specifies the a.c. traction systems 15 kV 16,7 Hz and 25 kV 50 Hz.
As rails of a.c. traction systems are connected to earth and included in the return current path all phase to earth voltages will be within the tolerances as specified in EN 50163. Nevertheless phase to phase voltages may be higher e.g. in autotransformer systems.
Current transformers are mainly used with
• measuring instruments,
• protective devices.
This EN 50152-3-2 shall also be applied to current transformers other than included in EN 50163 as far as reasonably possible. Requirements of this EN 50152-3-2 prevail.
NOTE 2 Combined current and voltage transformers are typically not used in fixed installations.

SIST EN 50152-3-3:2017 SIST EN 50152-3-3:2002
2017-04 (po) (en) 12 str. (C)
Železniške naprave - Stabilne naprave električne vleke - Posebne zahteve za stikalne naprave za izmenični tok - 3-3. del: Merilne, krmilne in zaščitne naprave za izključno uporabo v izmeničnih vlečnih sistemih - Napetostni transformatorji
Railway applications - Fixed installations - Particular requirements for a.c. switchgear - Part 3-3: Measurement, control and protection devices for specific use in a.c. traction systems - Single-phase inductive voltage transformers
Osnova: EN 50152-3-3:2016
ICS: 29.130.99, 29.280

This EN 50152-3-3 is applicable to new inductive single-phase voltage transformers which are:
• for indoor or outdoor fixed installations in traction systems,
• operated with an a.c. line voltage and frequency as specified in EN 50163.
NOTE 1 EN 50163 specifies the a.c. traction systems 15 kV 16,7 Hz and 25 kV 50 Hz.
As rails of a.c. traction systems are connected to earth and included in the return current path all phase to earth voltages will be within the tolerances as specified in EN 50163. Nevertheless phase to phase voltages may be higher e.g. in autotransformer systems.
Voltage transformers are mainly used with
• measuring instruments,
• protective devices.

This EN 50152-3-3 shall also be applied to voltage transformers other than inductive types as far as reasonably possible. Requirements of this EN 50152-3-3 prevail.
NOTE 2 Combined current and voltage transformers also capacitive voltage transformers are typically not used in fixed installations.

SIST EN 50367:2012/A1:2017
2017-04 (po) (en) 7 str. (B)
Železniške naprave - Sistemi za odjem toka - Tehnični kriteriji za interaktivnost med odjemnikom toka in kontaktnim vodnikom (za doseganje prostega dostopa)
Railway applications - Current collection systems - Technical criteria for the interaction between pantograph and overhead line (to achieve free access)
Osnova: EN 50367:2012/A1:2016
ICS: 29.280

Dopolnilo A1 je dodatek k standardu SIST EN 50367:2012.
Ta evropski standard določa zahteve za interaktivnost med odjemniki toka in kontaktnimi vodniki, da se doseže interoperabilnost. Ta evropski standard opisuje parametre in vrednosti za vse načrtovane proge in prihodnje proge. V dodatku B so navedeni nekateri parametri za obstoječe proge (informativno).

SIST EN 50592:2017
2017-04 (po) (en) 24 str. (F)
Železniške naprave - Preskušanje elektromagnetne združljivosti voznih sredstev s števci osi
Railway applications - Testing of rolling stock for electromagnetic compatibility with axle counters
Osnova: EN 50592:2016
ICS: 33.100.01, 45.060.01

This European Standard defines, for the purpose of ensuring compatibility between rolling stock and axle counter systems, the measurement and evaluation methods of rolling stock emissions to demonstrate compatibility. The established limits for compatibility are defined as magnetic field strength that can disturb the axle counter detectors, as part of the axle counter system.
In the relevant frequency range of the axle counter detectors the magnetic field is dominant and only this type of field is considered. Experience has shown that the effects of electric fields are insignificant and therefore not considered.
NOTE 1 For axle counters systems whose limits are not defined in terms of magnetic fields at a detector level, National Rules apply where they exist (for more details, see also 4.1).
NOTE 2 The influence from metal parts or inductively coupled resonant circuits on the vehicle, eddy current brakes or magnetic brakes is out of the scope of this EN. Compatibility is established through individual testing according to the EN 50238 series or National Notified Technical Rules.

SIST EN 61375-2-3:2016/AC2:2017
2017-04 (po) (en) 12 str. (AC)
Železniške elektronske naprave - Komunikacijsko omrežje vlaka (TCN) - 2-3. del: Komunikacijski profil TCN
Electronic railway equipment - Train communication network (TCN) - Part 2-3: TCN communication profile
Osnova: EN 61375-2-3:2015/AC:2016-11
ICS: 45.060.01, 35.240.60

Popravek2 k standard SIST EN 61375-2-3:2016.
Ta del standarda IEC 61375 določa pravila za izmenjavo podatkov med sestavi vlaka. Združevanje teh pravil opredeljuje komunikacijski profil TCN.
Cilj komunikacijskega profila je zagotoviti interoperabilnost med sestavi posameznega vlaka z vidika izmenjave informacij. V ta namen opredeljuje vse postavke, potrebne za interoperabilnost komunikacije:

• arhitekturo z opredeljenimi smermi vlaka v povezavi z različnimi pogledi vlaka,
• koncept skupnega funkcionalnega naslavljanja,
• skupni komunikacijski protokol za izmenjavo podatkov med funkcijami,
• nabor storitev za nadzor komunikacije vlaka.
Ob tem velja omejitev, da mora biti komunikacijski profil skladen s tehnologijo ethernetnega hrbteničnega omrežja vlaka (ETB), ki je opredeljena v standardu IEC 61375-2-5. V primerjavi z omrežji sestavov vlaka je opredeljen abstraktnejši vmesnik, ki ne omejuje uporabe posamezne tehnologije omrežja sestavov vlaka, kot je
na primer MVB (IEC 61375-3-1), CANOpen (IEC 61375-3-3) ali ECN (IEC 61375-3-4). Komunikacijski profil ne zajema opredelitve vsebine podatkov aplikacije in njenega pomena (tj. skladnje in semantike). To spada k nalogam profilov aplikacij. Izrecno sta namreč podprta dva profila aplikacij, kot je prikazano na sliki 1: profil aplikacije TCMS, ki je opredeljen v standardu IEC 61375-2-4, in profili, povezani s storitvami večpredstavnosti v vozilu in telematike (OMTS), opredeljeni v družini standardov IEC 62580.

SIST EN 62580-1:2017
2017-04 (po) (en) 77 str. (L)
Železniške elektronske naprave - Kabinski multimedijski in telematski podsistemi za železnice - 1. del: Splošna arhitektura
Electronic railway equipment - On-board multimedia and telematic subsystems for railways - Part 1: General Architecture
Osnova: EN 62580-1:2016
ICS: 33.160.99, 45.060.01

This part of IEC 62580 specifies the general architecture of the On-board Multimedia and Telematic Subsystem, which includes four categories of multimedia and telematic subsystems identified as:
A Video surveillance/CCTV
B Driver and crew orientated services
C Passenger orientated services
D Train operator and maintainer orientated services
This part establishes:
• the boundary between the OMTS and the on-board communication system, as described by the IEC 61375 series
• the methodology to describe an OMTS in terms of abstract model
• the general principles and the basic requirements to specify the services provided/needed by each category
• the approach to ensure interoperability between services
This part gives guidelines for:
• OMTS classification
• functional breakdown structuring
• system breakdown structuring
• formal specification of an OMTS
This part is applicable to any type of train, e.g. open trains, multiple unit trains and closed trains.
NOTE The general architecture provides a common basis for the application categories defined in part 2 and possible future parts of this series of standards. Consequently, the approach is homogeneous for all multimedia and telematic subsystems addressed by this series of standards.

SIST EN 62625-1:2014/AC1:2017
2017-04 (po) (en,fr) 3 str. (AC)
Železniške elektronske naprave - Sistem registriranja podatkov o vožnji vlaka - 1. del: Specifikacija sistema
Electronic railway equipment - On board driving data recording system - Part 1: System specification
Osnova: EN 62625-1:2013/AC:2016-10
ICS: 03.220.30, 45.020

Popravek1 k standardu SIST EN 62625-1:2014.

Ta del standarda IEC 62625 obravnava specifikacijo vgrajenega sistema za zapisovanje podatkov o vožnji za namene evidentiranja podatkov o upravljanju vlaka. Te podatki obravnavajo tako vedenje voznika kot vedenje vgrajenih sistemov za podporo sistematičnega nadzora varnosti za preprečevanje nezgod in nesreč. Podatki se shranjujejo na način, ki je primeren za ugotavljanje vzroka in, če je mogoče, posledice, tako da so podatki primerni za: – uporabo v preiskavah v primeru nezgod in nesreč; – spremljanje ustreznosti ravnanja voznikov. Postopek izvajanja preskusov skladnosti bo v prihodnosti obravnavan v skupini standardov IEC 62625. Ta standard določa vse zahteve za univerzalni sistem zapisovanja podatkov, ki se uporablja za vse vrste železniških vozil. Zahteve in odgovornosti za upravljanje in hrambo podatkov, da se zagotovi njihova celovitost po njihovi pridobitvi iz naprav za beleženje, niso zajete v tem standardu. Uporaba tega standarda je podredna odgovornosti organa za transport in pristojnega upravnega organa za varnost ter posebnim zakonom in uredbam, kadar se uporablja vgrajen sistem za zapisovanje podatkov o vožnji (ODDRS).

SIST EN 62625-2:2017
2017-04 (po) (en;fr;de) 59 str. (J)
Železniške elektronske naprave - Sistem registriranja podatkov o vožnji vlaka - 2. del: Preskušanje skladnosti
Electronic railway equipment - On board driving data recording system - Part 2: Conformity testing
Osnova: EN 62625-2:2016
ICS: 45.020, 03.220.30

This part of IEC 62625 covers the standardized test methods for verifying the compliance of an On board Driving Data Recording System implementation with the requirements specified by IEC 62625-1.
Furthermore, it covers the conformity testing criteria for designed and manufactured ODDRS.
This part of IEC 62625 includes the list of the requirements specified by IEC 62625-1 and the relevant acceptance conditions for ODDRS at design review, type test and routine test phases. For the train level design review and train level test phases, this part provides guidelines for the conformity testing methods to be applied to the ODDRS installed on the train.
This part does not cover the conformity assessment schemes that, according to ISO/IEC Directives Part 2, are the responsibility of ISO policy committee "Committee on conformity assessment" (ISO/CASCO). Consequently, this part does not include elements related to conformity assessment aspects other than design review and testing provisions for the products, processes or services which implements the requirements specified in IEC 62625-1.
This part does not delete, change or interpret the general requirements for conformity assessment procedures and vocabulary detailed in ISO/IEC 17000.

SIST EN 62864-1:2017
2017-04 (po) (en) 62 str. (K)
Železniške naprave - Vozna sredstva - Napajanje s sistemom za shranjevanje energije na vozilu - 1. del: Serija hibridnega sistema
Railway applications - Rolling stock - Power supply with onboard energy storage system - Part 1: Series hybrid system
Osnova: EN 62864-1:2016
ICS: 45.060.01

This part of IEC 62864 applies to series hybrid systems (electrically connected) with onboard energy storage (hereinafter referred as hybrid system).
A hybrid system has two (or more) power sources including energy storage system (ESS) on board to achieve the following features by combining converter and motors and performing energy management control:
• improving energy and fuel efficiency, improving acceleration characteristics, increasing running distance and uninterrupted running in the event of the loss of the primary power source

(PPS), by using an ESS in addition to the primary power source under conditions where the power and capacity of the power source including regenerative power are limited, thus alleviating those limitations;
• reducing fuel consumption, reducing emissions (e.g. CO2, NOx, PM, etc.);
• reducing environmental impact (e.g. visible obstruction, noise, etc.).
By extension, systems that have only onboard ESS, without other PPSs, is also considered in this standard.
This standard intends to specify the following basic requirements, characteristics, functions and test methods for hybrid systems:
• energy management to control the power flow among primary power source, energy storage system and power converters;
• energy consumption, energy efficiency and regenerated energy;
• vehicle characteristics achieved by energy storage system;
• test methods of combined test; and
• test methods of completed vehicles based on factory (stationary) and field (running) tests.
NOTE Converter in this standard means combined equipment consisting of one or more converters (e.g. rectifier, inverter, chopper, etc.).
The interfaces between the following power sources are covered:
• external electric power supply system;
• onboard ESSs (including pure onboard energy storage);
• fuel cell, diesel electric generator; and
• other power sources.
As for the combination of inverters and motors, this standard applies to asynchronous motors or synchronous motors that are powered via voltage-source inverters.
Power source systems and combination of inverters and motors are not limited to the listed above, but this standard can also be applied to future systems.
This part of IEC 62864 covers electrically connected systems (series hybrid), and not systems that mechanically transmit the driving force (parallel hybrid).

SIST-TP CLC/TR 50542-2:2017
2017-04 (po) (en) 13 str. (D)
Železniške naprave - Krmilnik vlakovnega prikazovalnika v strojevodjevem prostoru (TDC) - 2. del: Sistemi za prikazovanje (FIS)
Railway applications - Driver's cab Train Display Controller (TDC) - Part 2: Display systems FIS
Osnova: CLC/TR 50542-2:2016
ICS: 45.020, 35.240.60

The scope of this Technical Report is the definition of the functional interface between TDC and DMIs. See Figure 1 - TDC DMI functional interface.
The DMIs are those defined and considered in CLC/TR 50542-1.
The TDC is defined in CLC/TR 50542-1.
NOTE The conversion of physical signals into numerical representation is out of the scope.

SIST-TP CLC/TR 50542-3:2017
2017-04 (po) (en) 11 str. (C)
Železniške naprave - Krmilnik vlakovnega prikazovalnika v strojevodjevem prostoru (TDC) - 3. del: Drugi vlakovni sistemi (FIS)
Railway applications - Driver's cab train Display Controller (TDC) - Part 3: Other train systems FIS
Osnova: CLC/TR 50542-3:2016
ICS: 45.020, 35.240.60

The scope of this document is the definition of the functional interface between TDC and other train systems. These other train systems are the train systems (different from ETCS (Subset 121) and DMIs) from the TDC point of view.
The functional interface deals with data exchanged between TDC and these train systems.
The TDC is defined in document CLC/TR 50542-1.

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

SIST EN 60695-8-1:2017 SIST EN 60695-8-1:2008
2017-04 (po) (en) 29 str. (G)
Preskušanje požarne ogroženosti - 8-1. del: Oddajanje toplote - Splošno navodilo (IEC 60695-8-1:2016)
Fire hazard testing - Part 8-1: Heat release - General guidance (IEC 60695-8-1:2016)
Osnova: EN 60695-8-1:2017
ICS: 29.020, 13.220.40

IEC 60695-8-1 provides guidance on the measurement and interpretation of heat release from electrotechnical products and materials from which they are constructed. Heat release data can be used as part of fire hazard assessment and in fire safety engineering, as described in the future IEC 60695-1-10 and the future IEC 60695-1-11. This basic safety publication is intended for use by technical committees in the preparation of standards in accordance with the principles laid down in IEC Guide 104 and ISO/IEC Guide 51. Major changes with respect to the first edition are as follows: - editorial changes throughout, - revised terms and definitions, - new text concerning bomb calorimetry, - revised Table 1a, - new clause 5-Parameters used to report heat release data and introduction of intermediate scale fire test.

SIST EN 61005:2017 SIST EN 61005:2005
2017-04 (po) (en) 56 str. (J)
Oprema za zaščito pred sevanjem - Merilniki ekvivalentne doze v prostoru za nevtronsko sevanje (IEC 61005:2014)
Radiation protection instrumentation - Neutron ambient dose equivalent (rate) meters (IEC 61005:2014)
Osnova: EN 61005:2017
ICS: 17.240, 13.280

This International Standard is applicable to assemblies designed to measure the ambient dose equivalent (rate) due to neutron radiation in fields that contain neutrons with energies below 20 MeV, and which comprise at least:
a) a detection assembly, which may, for example, consist of a detector probe for thermal neutrons and an arrangement of neutron moderating and absorbing media surrounding the detector;
b) a measuring assembly with a display for the measured quantity, which may be incorporated into a single assembly with the detector or connected to it by means of a flexible cable.
Instruments with energy range up to 20 MeV are covered by this standard. If the instrument also provides indication of the neutron dose, it should meet the neutron dose requirements stated in this standard.

SIST EN 62282-6-200:2017 SIST EN 62282-6-200:2012
2017-04 (po) (en) 20 str. (E)
Tehnologija gorivnih celic - 6-200. del: Tehnologija mikro gorivnih celic - Preskusne metode delovanja (IEC 62282-6-200:2016)
Fuel cell technologies - Part 6-200: Micro fuel cell power systems - Performance test methods (IEC 62282-6-200:2016)
Osnova: EN 62282-6-200:2017
ICS: 27.070

This part of IEC 62282 specifies test methods for the performance evaluation of micro fuel cell power systems for laptop computers, mobile phones, personal digital assistants (PDAs), cordless home appliances, TV broadcast cameras, autonomous robots, etc.
This document describes the performance test methods for power characteristics, and mechanical durability for micro fuel cell power systems with output up to 60 V DC and 240 VA. The functional

arrangement of a typical example of a micro fuel cell power system, evaluated according to this document, is shown in Figure 1.
This document does not address the safety of micro fuel cell power systems.
This document does not address the interchangeability of micro fuel cell power systems.

SIST EN 62841-3-4:2016/AC:2017
2017-04 (po) (en) 3 str. (AC)
Elektromotorna ročna orodja, prenosna orodja ter stroji za trato in vrt - Varnost - 3-4. del: Posebne zahteve za prenosne namizne brusilnike (IEC 62841-3-4:2016/COR1:2016) - Popravek AC
Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 3-4: Particular requirements for transportable bench grinders (IEC 62841-3-4:2016/COR1:2016)
Osnova: EN 62841-3-4:2016/AC:2017-01
ICS: 25.080.50, 25.140.20

Popravek k standard SIST EN 62841-3-4:2016.
Ta točka 1. dela se uporablja, razen kot sledi:
Dodatek:
Ta del standarda IEC 62841 se uporablja za prenosne namizne brusilnike, ki jih je mogoče opremiti z enim ali dvema od naslednjih priključkov:
– brusni koluti tipa 1 v skladu s standardom ISO 603-4:1999 s premerom največ 310 mm in debelino največ 55 mm;
– žične krtače s premerom največ 310 mm in debelino največ 55 mm;
– polirni koluti s premerom največ 310 mm;
pri čemer mora biti vrednost periferne hitrosti katerega koli priključka od 10 m/s do 50 m/s.
OPOMBA: polirni koluti se imenujejo tudi koluti za brušenje.

SIST ISO 50002:2017
2017-04 (po) (en;fr;de) 27 str. (G)
Energetske presoje - Zahteve z navodili za uporabo
Energy audits - Requirements with guidance for use
Osnova: ISO 50002:2014
ICS: 03.100.70, 27.015

This International Standard specifies the process requirements for carrying out an energy audit in relation to energy performance. It is applicable to all types of establishments and organizations, and all forms of energy and energy use.
This International Standard specifies the principles of carrying out energy audits, requirements for the common processes during energy audits, and deliverables for energy audits.
This International Standard does not address the requirements for selection and evaluation of the competence of bodies providing energy audit services, and it does not cover the auditing of an organization's energy management system, as these are described in ISO 50003.
This International Standard also provides informative guidance on its use (see Annex A).

SIST EN 16992:2017
2017-04 (po) (en;fr;de) 37 str. (H)
Usposobljenost carinskih zastopnikov
Competency for Customs Representatives
Osnova: EN 16992:2017
ICS: 03.160, 03.080.99

This European Standard aims at providing, in accordance with the EU legislation, competency requirements for customs representatives.

SIST EN 60384-24:2015/AC:2017
2017-04 (po) (en) 5 str. (AC)
Nespremenljivi kondenzatorji za elektronsko opremo - 24. del: Področna specifikacija - Nespremenljivi tantalovi elektrolitski kondenzatorji s prevodnim polimernim trdim elektrolitom za površinsko montažo (IEC 60384-24:2015/COR1:2016) - Popravek AC
Fixed capacitors for use in electronic equipment - Part 24: Sectional specification - Fixed tantalum electrolytic surface mount capacitors with conductive polymer solid electrolyte (IEC 60384-24:2015/COR1:2016)
Osnova: **EN 60384-24:2015/AC:2017-01**
ICS: **31.060.40**

Popravek k standardu SIST EN 60384-24:2015.
Ta del standarda IEC 60384 velja za nespremenljive tantalove elektrolitske kondenzatorje s prevodnim polimernim trdnim elektrolitom za površinsko montažo, ki so namenjeni predvsem za enosmerno uporabo v elektronski opremi.
Nespremenljivi tantalovi elektrolitski kondenzatorji s trdnim (MnO2) elektrolitom za površinsko montažo niso vključeni, vendar so zajeti v standardu IEC 60384-3.
Ti kondenzatorji so namenjeni predvsem uporabi v elektronski opremi za namestitev neposredno na podloge za hibridne tokokroge ali na tiskana vezja.
Za kondenzatorje za uporabo za posebne namene so morda potrebne dodatne zahteve.

SIST EN 60404-1:2017
2017-04 (po) (en) 48 str. (I)
Magnetni materiali - 1. del: Razvrstitev (IEC 60404-1:2016)
Magnetic materials - Part 1: Classification (IEC 60404-1:2016)
Osnova: **EN 60404-1:2017**
ICS: **29.100.10**

This part of IEC 60404 is intended to classify commercially available magnetic materials. The term "magnetic materials" denotes substances where the application requires the existence of ferromagnetic or ferrimagnetic properties.
In this document, the classification of magnetic materials is based upon the generally recognized existence of two main groups of products:
• soft magnetic materials (coercivity ≤1 000 A/m);
• hard magnetic materials (coercivity >1 000 A/m).
Within these main groups, the classification when appropriate recognizes the following characteristics:
• the main alloying element and the metallurgical state and physical properties of the material;
• when possible and convenient, the relationship between these characteristics is identified.
A classification by specific areas of application cannot be applied to all materials because different materials can very often be used for the same application depending on the characteristics required.

SIST EN 60700-1:2015/AC:2017
2017-04 (po) (en,fr) 4 str. (AC)
Tiristorski ventili (elektronke) za visokonapetostni enosmerni prenos (HVDC) električne energije - 1. del: Električno preskušanje (IEC 60700-1:2015/COR1:2017) - Popravek AC
Thyristor valves for high voltage direct current (HVDC) power transmission - Part 1: Electrical testing (IEC 60700-1:2015/COR1:2017)
Osnova: **EN 60700-1:2015/AC:2017-02**
ICS: **19.080, 31.080.20, 29.200**

Popravek k standardu SIST EN 60700-1:2015.
Ta del standarda IEC 60700 velja za tiristorske elektronke s kovinskooksidnimi prenapetostnimi odvodniki, ki so neposredno povezani med priključki elektronke, za uporabo v vodovno

komutiranih pretvornikih za visokonapetostni enosmerni prenos moči ali kot del povezave zaporedne vrste. Omejen je na električno vrsto in proizvodne preskuse.
Preskusi, določeni v tem standardu, temeljijo na zračno izoliranih elektronkah. Za druge vrste elektronk se lahko sklene dogovor glede zahtev preskusa in meril sprejemljivosti.

SIST EN 61094-3:2016/AC:2017
2017-04 (po) (en,fr) 3 str. (AC)
Elektroakustika - Merilni mikrofoni - 3. del: Primarna metoda za kalibriranje laboratorijskih standardnih mikrofonov v prostem polju z recipročno tehniko (IEC 61094-3:2016/COR1:2016) - Popravek AC
Electroacoustics - Measurement microphones - Part 3: Primary method for free-field calibration of laboratory standard microphones by the reciprocity technique (IEC 61094-3:2016/COR1:2016)
Osnova: EN 61094-3:2016/AC:2017-01
ICS: 33.160.50, 17.140.50

Popravek k standardu SIST EN 61094-3:2016.
Ta del standarda IEC 61094
• določa primarno metodo določanja zapletene občutljivosti laboratorijskih standardnih mikrofonov v prostem polju za vzpostavitev ponovljive in natančne podlage za merjenje zvočnega tlaka v pogojih prostega polja,
• se uporablja za laboratorijske standardne mikrofone, ki izpolnjujejo zahteve standarda IEC 610941,
• je namenjen za uporabo v laboratorijih z visoko usposobljenim osebjem in specializirano opremo.
OPOMBA: Načelo kalibracije, opisano v tem delu standarda IEC 61094, se uporablja tudi za delujoče standardne mikrofone, ki se po možnosti uporabljajo brez zaščitne mrežice.

SIST EN 61240:2017 SIST EN 61240:2012
2017-04 (po) (en) 21 str. (F)
Piezoelektrični elementi - Priprava tehničnih risb površinsko montiranega elementa (SMD) za frekvenčno regulacijo in filtriranje - Splošna pravila (IEC 61240:2016)
Piezoelectric devices - Preparation of outline drawings of surface-mounted devices (SMD) for frequency control and selection - General rules (IEC 61240:2016)
Osnova: EN 61240:2017
ICS: 31.140

This International Standard sets out general rules for drawing all dimensional and geometrical characteristics of a surface-mounted piezoelectric device package (referred to in this document as SMD) in order to ensure mechanical inter-changeability of all outline drawings of the SMDs for frequency control and selection.

SIST EN 61975:2010/A1:2017
2017-04 (po) (en) 21 str. (F)
Visokonapetostne enosmerne inštalacije (HVDC) - Sistemski preskusi (IEC 61975:2010/A1:2016) - Dopolnilo A1
High-voltage direct current (HVDC) installations - System tests (IEC 61975:2010/A1:2016)
Osnova: EN 61975:2010/A1:2017
ICS: 29.130.10

Dopolnilo A1 je dodatek k standardu SIST EN 61975:2010.
Ta mednarodni standard velja za sistemske preskuse za visokonapetostne enosmerne inštalacije (HVDC), ki so sestavljene iz terminala, kateri oddaja, in terminala, kateri sprejema, oba priključena na sistem izmenične napetosti. Preskusi, določeni v tem standardu, so osnovani na dvosmernih in bipolarnih visokonapetostnih enosmernih inštalacijah (HVDC), inštalacijah, ki so sestavljene iz terminala, ki oddaja in terminala, ki sprejema, oba priključena na sistem izmenične

napetosti. Zahteve preskusa in merila sprejemljivosti za zaporedne inštalacije se morajo dogovoriti, medtem ko sistemi z več terminali in virnih pretvornikov napetosti niso zajeti v tem standardu. Standard velja za enopolne HVDC inštalacije, razen bipolarnih preskusov. Za posebne funkcije ali delovanja, ki so lastna določenim načrtom, je potrebno dodati nekatere dodatne preskusne postavke, v skladu z zahtevami tehničnih specifikacij. Ta standard služi samo kot vodilo sistemskim preskusom za visokonapetostne enosmerne inštalacije (HVDC). Standard podaja vodila potencialna uporabnikom glede tega, kako načrtovati dejavnosti začetka obratovanja. Preskusi, opisani v vodilu, lahko ne veljajo za vse projekte, vendar predstavljajo razpon možnih preskusov, ki jih je treba upoštevati. Zato po možnosti organizacija, udeležena v projektu, vzpostavi program posamezni preskusni program, osnovan na tem standardu, in v naprej dodeli odgovornosti za različne opravila/preskuse med udeleženimi organizacijami (npr. uporabnik, dobavitelj, proizvajalec, operater, kupec itd.) za vsak določen projekt.

SIST EN 62040-5-3:2017
2017-04 (po) (en) 68 str. (K)
Sistemi za neprekinjeno napajanje (UPS) - 5-3. del: Enosmerni izhod UPS - Lastnosti in preskusne zahteve (IEC 62040-5-3:2016)
Uninterruptible power systems (UPS) - Part 5-3: d.c. output UPS - Performance and test requirements (IEC 62040-5-3:2016)
Osnova: EN 62040-5-3:2017
ICS: 29.200

This part of IEC 62040 establishes the performance and test requirements applied to movable, stationary and fixed electronic **DC uninterruptible power systems (DC UPS)** that
– are supplied from an AC voltage source not exceeding 1 000 V,
– deliver a DC **output voltage** not exceeding 1 500 V,
– incorporate an **energy storage device**, and
– have a primary function to ensure continuity of DC power to loads.
This document specifies performance and test requirements of a complete **DC UPS** and not of individual **DC UPS functional units**. The individual **DC UPS functional units** are dealt with in IEC publications referred to in the bibliography that apply so far that they are not in contradiction with this document.
DC UPSs have been developed over a wide range of power, from less than a hundred watts to megawatts, to meet requirements for availability and quality of power to a variety of loads.
Refer to Annexes A and B for information on typical **DC UPS** configurations and topologies.
This document also includes **DC UPS** performance and test requirements related to **interrupters**, isolating switches, and tie switches, if any, which are integral to the **DC UPS**. These components interact with other **functional units** of the **DC UPS** to maintain **continuity of load power**.
This document does not cover
– conventional AC input distribution boards and their associated switches,
– conventional DC distribution boards and their associated switches,
– conventional AC UPSs covered by IEC 62040-3,
– low-voltage DC power supply devices covered by a specific product standard, for example IEC 61204, and those covered by a specific product standard, for example ITU communication standards, and
– systems wherein the **output voltage** is derived from a rotating machine.
NOTE 1 This document recognises that power availability to information technology (IT) equipment represents a major UPS application. The **DC UPS** output characteristics specified in this document are therefore also aimed at ensuring compatibility with the requirements of IT equipment. This, subject to any limitation stated in the manufacturer's declaration, includes requirements for steady state and **transient** voltage variation as well as for the supply of both resistive and **constant power load** characteristics of IT equipment.
NOTE 2 Test loads specified in this document simulate both resistive and **constant power load** characteristics.
Their use is prescribed with the objective of verifying design and performance, as declared by the manufacturer, and also of minimising any complexity and energy consumption during the tests.

SIST EN 62228-2:2017
2017-04 (po) (en) 43 str. (I)
Integrirana vezja - Ocenjevanje elektromagnetne združljivosti (EMC) oddajnikov-sprejemnikov - 2. del: Oddajniki-sprejemniki za krajevno medvezalno omrežje (IEC 62228-2:2016)
Integrated circuit - EMC Evaluation of transceivers - Part 2: LIN transceivers (IEC 62228-2:2016)
Osnova: EN 62228-2:2017
ICS: 33.100.01, 31.200

This part of IEC 62228 specifies test and measurement methods for EMC evaluation of LIN transceiver ICs under network condition. It defines test configurations, test conditions, test signals, failure criteria, test procedures, test setups and test boards. It is applicable for standard LIN transceiver ICs and ICs with embedded LIN transceiver and covers
• the emission of RF disturbances,
• the immunity against RF disturbances,
• the immunity against impulses and
• the immunity against electrostatic discharges (ESD).

SIST EN 62320-2:2017 SIST EN 62320-2:2008
2017-04 (po) (en) 117 str. (N)
Pomorska navigacijska in radiokomunikacijska oprema in sistemi - Sistemi za avtomatično identifikacijo (AIS) - 2. del: Postaje AIS AtoN (pomoč pri navigaciji) - Minimalne zahteve za delovanje in lastnosti, preskusne metode in zahtevani rezultati preskušanja (IEC 62320-2:2016)
Maritime navigation and radiocommunication equipment and systems - Automatic identification system (AIS) - Part 2: AIS AtoN Stations - Operational and performance requirements, methods of testing and required test results (IEC 62320-2:2016)
Osnova: EN 62320-2:2017
ICS: 47.020.70

This part of IEC 62320 specifies the operational and performance requirements, methods of testing and required test results for AIS AtoN Stations compatible with the performance standards adopted by IMO Resolution MSC.74(69), Annex 3, Universal AIS. It incorporates the technical characteristics of non-shipborne AIS AtoN equipment, included inRecommendation ITU-R M.1371 and IALA Recommendation A-126. Where applicable, it also takes into account the ITU Radio Regulations. This standard takes into account other associated IEC International Standards and existing national standards, as applicable. This document is applicable for automatic identification system (AIS) installations on aids to navigation (AtoN).

SIST EN 62477-1:2012/A1:2017
2017-04 (po) (en) 22 str. (F)
Varnostne zahteve za močnostno elektroniko pretvorniških sistemov in opreme - 1. del: Splošno (IEC 62477-1:2012/A1:2016) - Dopolnilo A1
Safety requirements for power electronic converter systems and equipment - Part 1: General (IEC 62477-1:2012/A1:2016)
Osnova: EN 62477-1:2012/A1:2017
ICS: 29.200

Dopolnilo A1 je dodatek k standardu SIST EN 62477-1:2012.
Ta del standarda IEC 62477 se nanaša na močnostne električne pretvorniške sisteme (PECS) in opremo, njihove dele za električno močnostno pretvorbo in električno močnostno preklapljanje, vključno s sredstvi za njihov nadzor, zaščito, nadzorovanje in merjenje, kot z glavnim namenom za pretvorbo električne energije z ocenjenimi sistemskimi napetostmi, ki ne presegajo 1000 voltov izmenične napetosti ali 1500 voltov enosmerne napetosti. Ta dokument lahko uporabljajo kot referenčni standard odbori za izdelke, ki izdelujejo standarde izdelkov za: - električni sistemi pogonske moči (PDS) s prilagodljivo hitrostjo; - samostoječi brezprekinitveni napajalniški sistemi (UPS); - stabilizirani enosmerni napajalniki z nizko napetostjo. Ta standard določa minimalne zahteve za varnost za močnostne električne pretvorniške sisteme, ki nimajo določenega standarda

izdelka. Ta del standarda IEC 62477 ima status publikacije skupinske varnosti, ki je v skladu z vodilom IEC Guide 104 za električne močnostne pretvorniške sisteme in opremo za energijske vire na osnovi sonca, vetra, plimovanja, valovanja, gorivnih celic ali podobnih virov. Glede na vodilo IEC Guide 104 je ena od dolžnosti tehničnih odborov, da pri pripravi standardov izdelkov uporabijo osnovne varnostne publikacije in/ali publikacije skupinske varnosti, kjer je to mogoče. Cilj tega mednarodnega standarda je: - uveljaviti enotno terminologijo za vidike varnosti močnostnih električnih pretvorniških sistemov in opreme; - uveljaviti minimalne zahteve za koordinacijo vidikov varnosti medsebojno povezanih delov znotraj močnostnih električnih pretvorniških sistemov; - določiti zahteve za zmanjšanje tveganja požara, elektrošoka, toplotnih, energijskih in mehaničnih tveganj med uporabo, delovanjem in, kjer je to navedeno, popravilom in vzdrževanjem; - določiti minimalne zahteve za zmanjšane tveganja pri opremi, ki se priklopi ali je stalno priklopljena, če je sestavljena iz ene ali več vzajemno povezanih enot, upoštevajoč namestitev, uporabo in vzdrževanje opreme na način, ki ga je predpisal proizvajalec. Ta evropski standard ne pokriva: - telekomunikacijskih naprav, ki niso napajalniki teh naprav; - funkcionalne varnosti, ki jo pokriva na primer standard IEC 61508; - električne opreme in sistemov za uporabo železnic in za elektronska vozila.

SIST EN 62940:2017
2017-04 (po) (en) 57 str. (J)
Pomorska navigacijska in radiokomunikacijska oprema in sistemi - Integrirani komunikacijski sistemi (ICS) - Zahteve za delovanje in lastnosti, preskusne metode in zahtevani rezultati preskušanja (IEC 62940:2016)
Maritime navigation and radiocommunication equipment equipment and systems - Integrated communication system (ICS) - Operational and performance requirements, methods of testing and required test results (IEC 62940:2016)
Osnova: EN 62940:2017
ICS: 47.020.70

IEC 62940 specifies the minimum operational and performance requirements, technical characteristics and methods of testing, and required test results, for shipborne integrated communication systems (ICS) designed to perform ship external communication and distress and safety communications (GMDSS) and the functions of onboard routeing of this communication. It takes account of IMO Resolution A.694(17) and is associated with IEC 60945. When a requirement in this document is different from IEC 60945, the requirement in this document takes precedence.

SS SPL Strokovni svet SIST za splošno področje

SIST EN 12574-1:2017 SIST EN 12574-1:2006
2017-04 (po) (en;fr;de) 24 str. (F)
Nepremični zabojniki za odpadke - 1. del: Zabojniki s prostornino do 10 000 l z ravnim(-i) ali izbočenim(-i) pokrovom(-i) za iztresalnike s parom ali dvema paroma rok ali za iztresalnike z zatičem - Mere in oblika
Stationary waste containers - Part 1: Containers with a capacity up to 10 000 l with flat or dome lid(s), for trunnion, double trunnion or pocket lifting device - Dimensions and design
Osnova: EN 12574-1:2017
ICS: 13.030.40

This part of EN 12574 specifies dimensions and requirements of stationary waste containers (in the text also called containers) without wheels or with wheels for positioning purposes only, with flat or dome lid(s) and capacities up to 10 000 l for trunnion, double trunnion or pocket lifting devices.

SIST EN 12574-2:2017 SIST EN 12574-2:2006
2017-04 (po) (en;fr;de) 19 str. (E)
Nepremični zabojniki za odpadke - 2. del: Izvedbene zahteve in preskusne metode
Stationary waste containers - Part 2: Performance requirements and test methods
Osnova: EN 12574-2:2017
ICS: 13.030.40

This part of EN 12574 specifies the test methods for stationary waste containers (in the text also called containers) according to prEN 12574-1. It also specifies the target requirements to be reached either during or after the tests.

SIST EN 12574-3:2017 SIST EN 12574-3:2006
2017-04 (po) (en;fr;de) 7 str. (B)
Nepremični zabojniki za odpadke - 3. del: Varnostne in zdravstvene zahteve
Stationary waste containers - Part 3: Safety and health requirements
Osnova: EN 12574-3:2017
ICS: 13.030.40

This part of EN 12574 specifies essential safety and health requirements for stationary waste containers (in the text also called containers), not including special containers for hazardous waste.
NOTE To help in the understanding of the requirements they are not split into separate safety, ergonomic and health sections but are divided into chapters dealing with constructional units.

SIST EN 3908:2017
2017-04 (po) (en;fr;de) 12 str. (C)
Aeronavtika - Stožčaste mazalke, aksialne, iz korozijsko odpornega jekla, pasivirane
Aerospace series - Nipples, lubricating, axial type, in corrosion resisting steel, passivated
Osnova: EN 3908:2017
ICS: 49.035

This European Standard specifies the required characteristics and the tests for lubricating nipples of the axial type, in corrosion resisting steel, passivated. Annex A (normative) states the clearance space requirements for the coupling and uncoupling of the lubricating gun and the maximum permissible diameter of the lubricating gun barrel, together with installation thread requirements. Lubricating nipples according to this standard are intended for use in aerospace assemblies, where regular lubrication of moving parts is required.

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 VAZ
Varovanje zdravja

SIST EN 16872:2016
2016-12 (pr) (sl 26 str. (SF)
Zdravstvene storitve, ki jih opravljajo zdravniki z dodatno kvalifikacijo iz homeopatije - Zahteve za storitve zdravstvenega varstva, ki jih opravljajo zdravniki z dodatno kvalifikacijo iz homeopatije
Services of Medical Doctors with additional qualification in Homeopathy (MDQH) - Requirements for health care provision by Medical Doctors with additional qualification in Homeopathy
Osnova: EN 16872:2016
ICS: 11.020.10
Datum prevoda: 2017-04

Ta evropski standard določa minimalne zahteve za zdravnike z dodatno kvalifikacijo iz homeopatije in njihove zdravstvene storitve.

Ta evropski standard se ne uporablja za storitve, ki jih opravijo osebe, ki niso zdravniki, niti za pripravo homeopatskih zdravil, niti za metodologijo in izvedbo homeopatskih preizkusov.

Razveljavitev slovenskih standardov

SIST/TC	Razveljavljeni dokument	Leto razveljavitve	Zamenjan z dokumentom
AGO	SIST EN ISO 18134-2:2015	2017-04	SIST EN ISO 18134-2:2017
BBB	SIST EN 1766:2002	2017-04	SIST EN 1766:2017
DTN	SIST EN 1909:2005	2017-04	SIST EN 1909:2017
EMC	SIST EN 55016-2-1:2009/A1:2011	2017-04	SIST EN 55016-2-1:2014
EMC	SIST EN 55016-2-1:2009/A2:2013	2017-04	SIST EN 55016-2-1:2014
EXP	SIST EN 14756:2007	2017-04	SIST EN 1839:2017
EXP	SIST EN 14986:2007	2017-04	SIST EN 14986:2017
EXP	SIST EN 1710:2006+A1:2008	2017-04	SIST EN ISO/IEC 80079-38:2017

SIST/TC	Razveljavljeni dokument	Leto razveljavitve	Zamenjan z dokumentom
EXP	SIST EN 1710:2006+A1:2008/AC:2010	2017-04	SIST EN ISO/IEC 80079-38:2017
EXP	SIST EN 1839:2013	2017-04	SIST EN 1839:2017
GIG	SIST EN ISO 19110:2006	2017-04	SIST EN ISO 19110:2017
GIG	SIST EN ISO 19110:2006/A1:2011	2017-04	SIST EN ISO 19110:2017
IEKA	SIST HD 603 S1:1998	2017-04	kSIST FprHD 603 S2:2016
IEKA	SIST HD 603 S1:1998/A1:2001	2017-04	kSIST FprHD 603 S2:2016
IEKA	SIST HD 603 S1:1998/A2:2004	2017-04	kSIST FprHD 603 S2:2016
IEKA	SIST HD 603 S1:1998/A3:2007	2017-04	kSIST FprHD 603 S2:2016
IFEK	SIST EN 10152:2009	2017-04	SIST EN 10152:2017
IFEK	SIST EN 10152:2009/AC:2012	2017-04	SIST EN 10152:2017
IKER	SIST EN 490:2012	2017-04	SIST EN 490:2012+A1:2017
IOVO	SIST EN 1253-5:2004	2017-04	SIST EN 1253-5:2017
IOVO	SIST EN 12566-1:2000	2017-04	SIST EN 12566-1:2017
IOVO	SIST EN 12566-1:2000/A1:2004	2017-04	SIST EN 12566-1:2017
IOVO	SIST EN 12566-3:2005+A2:2013	2017-04	SIST EN 12566-3:2017
IOVO	SIST EN 12566-4:2008	2017-04	SIST EN 12566-4:2017
IOVO	SIST EN 12566-6:2013	2017-04	SIST EN 12566-6:2017
IOVO	SIST EN 12566-7:2013	2017-04	SIST EN 12566-7:2017
IPMA	SIST EN 13206:2002	2017-04	SIST EN 13206:2017
IPMA	SIST EN 15416-2:2008	2017-04	SIST EN 302-8:2017
IPMA	SIST EN 15416-3:2008+A1:2010	2017-04	SIST EN 15416-3:2017
IPMA	SIST EN 15416-4:2006	2017-04	SIST EN 15416-4:2017
IPMA	SIST EN 15416-5:2006	2017-04	SIST EN 15416-5:2017
IPMA	SIST EN ISO 177:2000	2017-04	SIST EN ISO 177:2017
IPMA	SIST EN ISO 6134:2005	2017-04	SIST EN ISO 6134:2017
ISEL	SIST EN ISO 1101:2013	2017-04	SIST EN ISO 1101:2017
ISEL	SIST EN ISO 1660:2000	2017-04	SIST EN ISO 1660:2017
ISEL	SIST ISO 1660:1995	2017-04	
ITC	SIST-TS CEN ISO/TS 13143-2:2011	2017-04	SIST EN ISO 13143-2:2017
ITEK	SIST EN 14362-1:2012	2017-04	SIST EN ISO 14362-1:2017
ITEK	SIST EN 14362-3:2012	2017-04	SIST EN ISO 14362-3:2017
IUSN	SIST EN ISO 4044:2008	2017-04	SIST EN ISO 4044:2017
IVNI	SIST EN 61936-1:2011/AC:2012	2017-04	SIST EN 61936-1:2011/AC:2013
IVNT	SIST EN 61180-1:1998	2017-04	SIST EN 61180:2017
IVNT	SIST EN 61180-2:1998	2017-04	SIST EN 61180:2017
IŽNP	SIST EN 13481-2:2012	2017-04	SIST EN 13481-2:2012+A1:2017

SIST/TC	Razveljavljeni dokument	Leto razveljavitve	Zamenjan z dokumentom
IŽNP	SIST EN 13481-2:2012/AC:2014	2017-04	SIST EN 13481-2:2012+A1:2017
IŽNP	SIST EN 13481-5:2012	2017-04	SIST EN 13481-5:2012+A1:2017
KAT	SIST EN 14984:2006	2017-04	SIST EN 14984:2017
KAT	SIST-TS CEN/TS 16170:2013	2017-04	SIST EN 16170:2017
KAT	SIST-TS CEN/TS 16171:2013	2017-04	SIST EN 16171:2017
KAT	SIST-TS CEN/TS 16175-1:2013	2017-04	SIST EN 16175-1:2017
KAT	SIST-TS CEN/TS 16175-2:2013	2017-04	SIST EN 16175-2:2017
KAV	SIST EN ISO 7027:2000	2017-04	SIST EN ISO 7027-1:2017
OGS	SIST EN 14037-1:2004	2017-04	SIST EN 14037-1:2017
OGS	SIST EN 14037-2:2004	2017-04	SIST EN 14037-2:2017
OGS	SIST EN 14037-3:2004	2017-04	SIST EN 14037-3:2017
OTR	SIST CR 14379:2002	2017-04	
OTR	SIST EN 16120:2013+A1:2014	2017-04	SIST EN 16120:2013+A2:2017
OTR	SIST EN 71-12:2013	2017-04	SIST EN 71-12:2017
PCV	SIST EN ISO 15876-1:2004	2017-04	SIST EN ISO 15876-1:2017
PCV	SIST EN ISO 15876-1:2004/A1:2007	2017-04	SIST EN ISO 15876-1:2017
PCV	SIST EN ISO 15876-2:2004	2017-04	SIST EN ISO 15876-2:2017
PCV	SIST EN ISO 15876-2:2004/A1:2007	2017-04	SIST EN ISO 15876-2:2017
PCV	SIST EN ISO 15876-3:2004	2017-04	SIST EN ISO 15876-3:2017
PCV	SIST EN ISO 15876-5:2004	2017-04	SIST EN ISO 15876-5:2017
PCV	SIST- TS CEN/TS 12200-2:2003	2017-04	SIST-TS CEN/TS 12200-2:2017
PVS	SIST EN 62116:2011	2017-04	SIST EN 62116:2014
SS EIT	SIST-TP CWA 45547:2007	2017-04	
TOP	SIST EN 12976-1:2006	2017-04	SIST EN 12976-1:2017
TOP	SIST EN 12976-2:2006	2017-04	SIST EN 12976-2:2017
TRM	SIST IEC 60050(461):1997	2017-04	SIST IEC 60050-461:2017
TRM	SIST IEC 60050-471:1997	2017-04	SIST IEC 60050-471:2017
UZO	SIST ISO 14004:2005	2017-04	
VAZ	SIST EN 868-2:2009	2017-04	SIST EN 868-2:2017
VAZ	SIST EN 868-3:2009	2017-04	SIST EN 868-3:2017
VAZ	SIST EN 868-4:2009	2017-04	SIST EN 868-4:2017
VAZ	SIST EN 868-6:2009	2017-04	SIST EN 868-6:2017
VAZ	SIST EN 868-7:2009	2017-04	SIST EN 868-7:2017
VAZ	SIST EN ISO 5832-3:2012	2017-04	SIST EN ISO 5832-3:2017
VAZ	SIST EN ISO 7199:2014	2017-04	SIST EN ISO 7199:2017
VGA	SIST EN 60335-2-31:2003	2017-04	SIST EN 60335-2-31:2015

SIST/TC	Razveljavljeni dokument	Leto razveljavitve	Zamenjan z dokumentom
VGA	SIST EN 60335-2-31:2003/A1:2006	2017-04	SIST EN 60335-2-31:2015
VGA	SIST EN 60335-2-31:2003/A2:2009	2017-04	SIST EN 60335-2-31:2015
VPK	SIST ISO 2470-1:2013	2017-04	SIST ISO 2470-1:2017
ŽEN	SIST EN 50121-2:2007	2017-04	
SS EIT	SIST EN 60335-2-77:2010	2017-04	
SS EIT	SIST EN 60695-11-2:2004	2017-04	SIST EN 60695-11-2:2014
SS EIT	SIST-V CEN/CLC Guide 12:2009	2017-04	
SS EIT	SIST-V CLC Guide 1:2010	2017-04	
SS SPL	SIST CWA 15374:2016	2017-04	
SS SPL	SIST EN 12574-1:2006	2017-04	SIST EN 12574-1:2017
SS SPL	SIST EN 12574-2:2006	2017-04	SIST EN 12574-2:2017
SS SPL	SIST EN 12574-3:2006	2017-04	SIST EN 12574-3:2017
SS SPL	SIST EN 13291-1:2000	2017-04	SIST EN 16602-10:2017
SS SPL	SIST EN 15651-1:2013	2017-04	SIST EN 15651-1:2017
SS SPL	SIST EN 15651-2:2013	2017-04	SIST EN 15651-2:2017
SS SPL	SIST EN 15651-3:2013	2017-04	SIST EN 15651-3:2017
SS SPL	SIST EN 15651-4:2013	2017-04	SIST EN 15651-4:2017
SS SPL	SIST EN 15651-5:2012	2017-04	SIST EN 15651-5:2017
SS SPL	SIST-TS CEN/TS 16665:2014	2017-04	SIST EN 131-2:2010+A2:2017

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CENIK SIST

Št. 1/2007 20. 2. 2017

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

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

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

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

1. Slovenski nacionalni standardi v tujem jeziku

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

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

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

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

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

Slovenski nacionalni standardi v slovenskem jeziku

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

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

Popusti

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

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

Enkraten nakup standardov v skupni vrednosti nad 1.000 EUR	5%

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

2. Publikacije SIST

V cenah je vključen 9,5 % DDV.

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

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

NAROČILNICA ZA SLOVENSKE STANDARDE IN DRUGE PUBLIKACIJE

N – IZO 4/2017

Publikacije	Št. izvodov

Naročnik (ime, št. naročilnice)

Podjetje (naziv iz registracije)

Naslov (za račun)

Naslov za pošiljko (če je drugačen)

Davčni zavezanec • da • ne

Davčna številka

E-naslov (obvezno!)

Telefon

Datum

Faks

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

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