Izvlečki

1 • 2018

SIST

Slovenski inštitut za standardizacijo
Slovenian Institute for Standardization

Sporočila • *Messages*

ISSN 1854-1631

1

KONTAKTNA TOČKA IN PRODAJA PUBLIKACIJ

Kontaktna točka

- tematske poizvedbe o slovenskih in tujih standardih
- poizvedbe o slovenskih in tujih tehničnih predpisih (kontaktna točka WTO/TBT)
- naročnina na periodične novosti pri standardih izbranega profila ali iz izbranega seznama
- naročnina na mesečna obvestila o sklicevanju na standarde v tehničnih predpisih

odprto pon-čet 8h - 15h, p et 8 h - 13 h
pošta Kontaktna točka SIST
Šmartinska c. 152, 1000 Ljubljana
tel. 01/ 478 30 68
faks 01/ 478 30 98
e-pošta info@sist.si

Specialna knjižnica s standardoteko

odprto sreda 8h - 12h
pošta Knjižnica SIST
Šmartinska c. 152, 1000 Ljubljana
tel. 01/ 478 30 15
faks 01/ 478 30 97
e-pošta knjiznica@sist.si

Prodaja strokovne literature

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

odprto pon-čet 8h - 15h, pet 8h - 13h
pošta SIST, prodaja
Šmartinska c. 152, 1000 Ljubljana
tel. 01/ 478 30 63
faks 01/ 478 30 97
e-pošta prodaja@sist.si

- Naročila morajo biti pisna (pošta, faks, e-pošta ali osebni obisk); na nadnadno poslanih izvirnikih naročilnic mora biti navedena opomba o prvem naročilu. Prosimo vas, da pri prvem naročilu navedete natančen naslov za račun.

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

Objava novih slovenskih nacionalnih standardov

SIST/TC AKU Akustika

SIST EN ISO 10848-2:2018 SIST EN ISO 10848-2:2006
SIST EN ISO 10848-2:2006/AC:2007

2018-01 (po) (en) 19 str. (E)

Akustika - Laboratorijsko in terensko merjenje bočnega prenosa zvoka v zraku, udarnega zvoka in zvoka v gradbenih elementih servisne opreme med mejnimi prostori - 2. del: Uporaba elementov tipa B pri majhnem vplivu stikov (ISO 10848-2:2017)

Acoustics - Laboratory and field measurement of flanking transmission for airborne, impact and building service equipment sound between adjoining rooms - Part 2: Application to Type B elements when the junction has a small influence (ISO 10848-2:2017)

Osnova: EN ISO 10848-2:2017
ICS: 17.140.01, 91.120.20

ISO 10848 (all parts) specifies measurement methods to characterize the flanking transmission of one or several building components. This document considers only laboratory measurements.
The measured quantities can be used to compare different products, or to express a requirement, or as input data for prediction methods, such as ISO 12354-1 and ISO 12354-2. However, the measured quantities Dn,f, Ln,f and Lne0,f only represent the performance with the dimensions for the test specimens described in this document.
This document is referred to in ISO 10848-1:2017, 4.5 as being a supporting part of the frame document.
It applies to Type B elements as defined in ISO 10848-1, such as suspended ceilings, access floors, light uninterrupted façades or floating floors. The transmission from one room to another can occur simultaneously through the test element and via the plenum (if any). For measurements made according to this document, the total sound transmission is determined and it is not possible to separate the two kinds of transmission.

SIST EN ISO 10848-4:2018 SIST EN ISO 10848-4:2010

2018-01 (po) (en) 14 str. (D)

Akustika - Laboratorijsko in terensko merjenje bočnega prenosa zvoka v zraku, udarnega zvoka in zvoka v gradbenih elementih servisne opreme med mejnimi prostori - 4. del: Uporaba na stiku z vsaj enim gradbenim elementom tipa A (ISO 10848-4:2017)

Acoustics - Laboratory and field measurement of flanking transmission for airborne, impact and building service equipment sound between adjoining rooms - Part 4: Application to junctions with at least one Type A element (ISO 10848-4:2017)

Osnova: EN ISO 10848-4:2017
ICS: 17.140.01, 91.120.20

ISO 10848 (all parts) specifies measurement methods to characterize the flanking transmission of one or several building components.
This document specifies laboratory and field measurements of buildings where at least one of the elements that form the construction under test is a Type A element (defined in ISO 10848-1).
Laboratory measurements are used to quantify the performance of the junction with suppressed flanking transmission from the laboratory structure. Field measurements are used to characterize the in situ performance and it is not usually possible to suppress unwanted flanking transmission sufficiently; hence, the results are primarily representative of the performance of that junction when installed in that particular building structure.

The measured quantities can be used to compare different products, or to express a requirement, or as input data for prediction methods, such as ISO 12354-1 and ISO 12354-2.

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

SIST EN 60728-101:2018
2018-01 (po) (en;fr;de) 113 str. (N)
Kabelska omrežja za televizijske in zvokovne signale ter interaktivne storitve - 101. del: Lastnosti sistema za naprejšnje poti z obremenitvami popolnoma digitaliziranih kanalov (TA/5) (IEC 60728-101:2016)
Cable networks for television signals, sound signals and interactive services - Part 101: System performance of forward paths with all-digital channels load (TA/5) (IEC 60728-101:2016)
Osnova: EN 60728-101:2017
ICS: 33.060.40

This part of IEC 60728 is applicable to any cable network (including individual receiving systems) distributing only digital channels having in the forward path a coaxial cable output and primarily intended for television and sound signals operating between about 30 MHz and 3 000 MHz.
This standard specifies the basic methods of measurement of the operational characteristics of a cable network having coaxial cable outputs in order to assess the performance of these systems and their performance limits.

SIST EN 62087-2:2018 SIST EN 62087:2012
2018-01 (po) (en;fr;de) 27 str. (G)
Avdio, video in pripadajoča oprema - Ugotavljanje porabe energije - 2.del: Signali in mediji (IEC 62087-2:2015)
Audio, video, and related equipment - Determination of power consumption – Part 2: Signals and media (IEC 62087-2:2015)
Osnova: EN 62087-2:2016
ICS: 33.160.01, 17.220.20

This part of IEC 62087 specifies signals and media used in determination of the power consumption of audio, video, and related equipment, such as television sets and computer monitors. It also specifies signals for determining the peak luminance ratio that is sometimes associated with television power consumption measurement programs. In addition, this part specifies equipment, interfaces, and accuracy related to signal generation.

SIST/TC CES Ceste

SIST EN 12697-13:2018 SIST EN 12697-13:2002
SIST EN 12697-13:2002/AC:2002
2018-01 (po) (en;fr;de) 7 str. (B)
Bitumenske zmesi - Preskusne metode - 13. del: Merjenje temperature
Bituminous mixtures - Test methods - Part 13: Temperature measurement
Osnova: EN 12697-13:2017
ICS: 93.080.20

This European Standard specifies a test method for measuring the temperature of asphalt mixtures after mixing and during storage, transportation and laying. This European Standard includes the contact temperature-measuring device and the non-contact temperature-measuring device (infraredthermometer).

SIST EN 12697-23:2018 SIST EN 12697-23:2004
2018-01 (po) (en;fr;de) 9 str. (C)
Bitumenske zmesi - Preskusne metode - 23. del: Ugotavljanje posredne natezne trdnosti bitumenskih preskušancev
Bituminous mixtures - Test methods - Part 23: Determination of the indirect tensile strength of bituminous specimens
Osnova: EN 12697-23:2017
ICS: 93.080.20

This draft European Standard specifies a test method for determining the (splitting) indirect tensile strength of cylindrical specimens of bituminous mixtures.
NOTE Determination of the water sensitivity of bituminous specimens in accordance with EN 12697-12 is based on determination of the indirect tensile strength in accordance with this test method.

SIST EN 13108-4:2016/AC:2018
2018-01 (po) (en) 2 str. (AC)
Bitumenske zmesi - Specifikacije materialov - 4. del: Vroče valjani asfalt
Bituminous mixtures - Material specifications - Part 4: Hot Rolled Asphalt
Osnova: EN 13108-4:2016/AC:2017
ICS: 93.080.20

Popravek k standardu SIST EN 13108-4:2016.
Ta evropski standard določa zahteve za skupino zmesi vroče valjanih asfaltov za uporabo na cestah, letališčih in drugih prometnih površinah.

SIST/TC CEV Cestna osebna in gospodarska električna vozila

SIST EN 61851-21-1:2018 SIST EN 61851-21:2002
2018-01 (po) (en) 51 str. (J)
Sistem kabelskega napajanja električnih vozil - 21-1. del: Zahteve EMC za vgrajen napajalnik pri kabelski priključitvi na izmenično/enosmerno napajanje
Electric vehicle conductive charging system - Part 21-1: Electric vehicle onboard charger EMC requirements for conductive connection to an a.c./d.c. supply
Osnova: EN 61851-21-1:2017
ICS: 43.120

This part of IEC 61851, together with IEC 61851-1:2010, gives requirements for conductive connection of an electric vehicle (EV) to an AC or DC supply. It applies only to on-board charging units either tested on the complete vehicle or tested on the charging system component level (ESA – electronic sub assembly).
This document covers the electromagnetic compatibility (EMC) requirements for electrically propelled vehicles in any charging mode while connected to the mains supply.
This document is not applicable to trolley buses, rail vehicles, industrial trucks and vehicles designed primarily to be used off-road, such as forestry and construction machines.
NOTE 1 Specific safety requirements that apply to equipment on the vehicle during charging are treated in separate documents as indicated in the corresponding clauses of this document.
NOTE 2 Electric vehicle (EV) includes pure electric vehicles as well as plug-in hybrid electric vehicles with additional combustion engine.

SIST EN 61851-21-1:2018/AC:2018
2018-01 (po) (en;fr;de) 1 str. (AC)
Sistem kabelskega napajanja električnih vozil - 21-1. del: Zahteve EMC za vgrajen napajalnik pri kabelski priključitvi na izmenično/enosmerno napajanje - Popravek AC
Electric vehicle conductive charging system - Part 21-1: Electric vehicle on-board charger EMC requirements for conductive connection to an AC/DC supply
Osnova: EN 61851-21-1:2017/AC:2017-11
ICS: 43.120

Popravek k standardu SIST EN 61851-21-1:2018.

SIST/TC DPN Delo pod napetostjo

SIST EN 61057:2018 SIST EN 61057:2001
2018-01 (po) (en) 90 str. (M)
Delo pod napetostjo - Izolacijske naprave za montažo na ohišja
Live working - Insulating aerial devices for mounting on a chassis
Osnova: EN 61057:2017
ICS: 53.020.99, 13.260

This document is applicable to *insulating aerial devices* for mounting on a *chassis*, to be used for live working on electrical installations at nominal voltages above 1 000V r.m.s. AC in the range 45 Hz to 65 Hz and 1 500V DC.
The primary purpose of an aerial device is for work positioning of personnel. Other devices, such as jibs, may be fitted in order to assist the *operator* in performing the work.
This document also includes requirements and tests for the parts of the *chassis* influencing the performance of the *insulating aerial device*s to be used for live working.
When mounted on a *chassis*, the *insulating aerial device* becomes a component of a mobile elevating work *platform* (MEWP). Complementary requirements for the resulting MEWP are included in ISO 16368.
NOTE 1 In Europe, EN 280 instead of ISO 16368 is often used as reference for complementary requirements.
The products designed and manufactured according to this document contribute to the safety of users, provided they are used by skilled persons, in accordance with safe methods of work and the instructions for use.
NOTE 2 Any requirements that are in conflict with or are meant to be complementary to ISO 16368 are delineated herein.
Radial boom (digger) derricks are not covered by this document.

SIST/TC DTN Dvigalne in transportne naprave

SIST EN 1459-1:2018 SIST EN 1459:1999+A3:2012
2018-01 (po) (en;fr;de) 65 str. (K)
Vozila za talni transport - Terenska vozila - Varnostne zahteve in preverjanje - 1. del: Vozila z mehanizmom za dviganje s spremenljivim dosegom
Rough-terrain trucks - Safety requirements and verification - Part 1: Variable-reach trucks
Osnova: EN 1459-1:2017
ICS: 53.060

This European Standard specifies the general safety requirements of non-slewing variable-reach rough-terrain trucks, articulated or rigid chassis, equipped with a telescopic lifting means (pivoted boom), on which a load handling device (e.g. carriage and fork arms) is typically fitted.
Fork arms and other integrated attachments are considered to be parts of the truck. For attachments, the appropriate clauses of this standard are applicable and other specific standards may also apply.

This European Standard is not applicable to:

- slewing variable-reach trucks covered by prEN 1459-2
- industrial variable-reach trucks covered by EN ISO 3691-2
- lorry-mounted variable-reach trucks
- variable-reach trucks fitted with tilting or elevating operator position
- variable-reach rough-terrain trucks covered by EN 13000
- mobile cranes covered by EN 13000
- machines designed primarily for earth moving such as loaders and dozers, even if their buckets and blades are replaced with forks (see EN 474 series)
- trucks designed primarily with variable length load suspension elements (e.g. chain, ropes) from which the load may swing freely in all directions covered by prEN 1459-4
- trucks fitted with personnel/work platforms, designed to move persons to elevated working positions covered by prEN 1459-3
- trucks designed primarily for container handling
- trucks incorporating tractor specific devices
- trucks on tracks.

This European Standard does not address hazards linked to:
hybrid power systems
gas power systems
battery power systems.
This European Standard does not address hazards which may occur:

- during manufacture;
- when handling suspended loads which may swing freely;
- when using trucks on public roads;
- when operating in potentially explosive atmospheres;
- when operating underground.

SIST/TC EAL Električni alarmi

SIST EN 50131-2-2:2018 SIST EN 50131-2-2:2008
SIST EN 50131-2-2:2008/IS1:2014
2018-01 (po) (en;fr) 45 str. (I)
Alarmni sistemi - Sistemi za javljanje vloma in ropa - 2-2. del: Javljalniki vloma - Pasivni infrardeči javljalniki
Alarm systems - Intrusion and hold-up systems - Part 2-2: Intrusion detectors - Passive infrared detectors
Osnova: EN 50131-2-2:2017
ICS: 13.320, 13.310

This European Standard is for passive infrared detectors installed in buildings and provides for security grades 1 to 4 (see EN 50131-1), specific or non-specific wired or wire-free detectors, and uses environmental classes I to IV (see EN 50130-5). This European Standard does not include requirements for passive infrared detectors intended for use outdoors.
A detector shall fulfil all the requirements of the specified grade.
Functions additional to the mandatory functions specified in this standard may be included in the detector, providing they do not influence the correct operation of the mandatory functions.
This European Standard does not apply to system interconnections.

SIST EN 50131-6:2018 SIST EN 50131-6:2008
SIST EN 50131-6:2008/A1:2014
2018-01 (po) (en;fr) 52 str. (J)
Alarmni sistemi - Sistemi za javljanje vloma in ropa - 6 del: Napajalniki
Alarm systems - Intrusion and hold-up systems - Part 6: Power supplies
Osnova: EN 50131-6:2017
ICS: 13.320, 13.310

pes)
ro
ven i chain,
and dozers, e

This European Standard specifies the requirements, performance criteria and testing procedures for PS to be used as part of Intrusion and Hold up Alarm Systems. The PS will either be an integral part of an I&HAS component or stand-alone. The control functions of the PS may be incorporated as part of the PS device, or may be provided by another I&HAS component, e.g. a CIE. This European Standard is not applicable when the PS requirements for I&HAS components are included within the relevant product standard.
The requirements correspond to each of the four security grades given in the European Standard EN 50131-1, Alarm Systems – Intrusion and Hold-Up Systems – Part 1: System requirements. Requirements are also given for four environmental classes covering applications in indoor and outdoor locations.
This standard covers:
a) mandatory functions which will be provided on all PS, and
b) optional functions which may be provided.
This European Standard does not deal with requirements for compliance with EC regulatory Directives, such as the EMC Directive, Low Voltage Directive, etc. except that it specifies the equipment operating conditions for EMC susceptibility testing as required by EN 50130-4.
Other functions associated with I&HAS not specified in this standard may be provided. Such functions will not affect the requirements of any mandatory or optional functions.

SIST EN 50134-2:2018 SIST EN 50134-2:2000
2018-01 (po) (en,fr) 30 str. (G)
Alarmni sistemi - Socialni alarmni sistemi - 2. del: Sprožilniki
Alarm systems - Social alarm systems - Part 2: Trigger devices
Osnova: EN 50134-2:2017
ICS: 13.320

This draft European Standard specifies the requirements for manually and automatically activated trigger devices transmitting a triggering signal.
This draft European Standard specifies the requirements and tests for trigger devices forming part of a social alarm system.
This draft European Standard applies to all trigger devices that transmit a triggering signal to a local unit or controller using wired or wire-free interconnections methods.

SIST/TC ELI Nizkonapetostne in komunikacijske električne inštalacije

SIST HD 60364-6:2016/AC:2018
2018-01 (po) (en,fr) 3 str. (AC)
Nizkonapetostne električne inštalacije - 6. del: Preverjanje - Popravek AC
Low-voltage electrical installations - Part 6: Verification
Osnova: HD 60364-6:2016/AC:2017-11
ICS: 91.140.50

Popravek k standardu SIST HD 60364-6:2016.
Ta del standarda IEC 60364 podaja zahteve za prvo in periodično pregledovanje električne inštalacije.
Točka 6.4 podaja zahteve za prvo preverjanje s pregledom in preskusom električne inštalacije, da bi se na najustreznejši način ugotovilo, ali so zahteve drugih delov standarda IEC 60364 upoštevane in ali se lahko izdela ustrezno poročilo. Prvo preverjanje se izvede ob dokončanju nove inštalacije oziroma dograditvi ali spremembi obstoječe inštalacije. Točka 6.5 obravnava zahteve za periodično preverjanje električne inštalacije, da bi se na najustreznejši način ugotovilo, ali so inštalacija in njene naprave v zadovoljivem stanju za uporabo in ali se lahko izdela ustrezno poročilo.

SIST/TC EMC Elektromagnetna združljivost

SIST EN 55016-2-1:2014/A1:2018
2018-01 (po) (en) 15 str. (D)
Specifikacija za merilne naprave in metode za merjenje radijskih motenj in odpornosti - 2-1. del: Metode za merjenje radijskih motenj in odpornosti - Merjenje motenj po vodnikih - Dopolnilo A1
Specification for radio disturbance and immunity measuring apparatus and methods - Part 2-1: Methods of measurement of disturbances and immunity - Conducted disturbance measurements
Osnova: **EN 55016-2-1:2014/A1:2017**
ICS: **33.100.20, 17.220.20**

Dopolnilo A1:2018 je dodatek k standardu SIST EN 55016-2-1:2014.
Standard EN 55016-2-1 je osnovni standard, ki določa metode za merjenje motenj na splošno v frekvenčnem območju od 9 kHz do 18 GHz in zlasti merjenje motenj po vodnikih v frekvenčnem območju od 9 kHz do 30 MHz. Pri CDNE je frekvenčno območje od 9 kHz do 300 Hz.

SIST EN 55025:2017/AC:2018
2018-01 (po) (en) 5 str. (AC)
Vozila, plovila in naprave z motorji z notranjim zgorevanjem - Karakteristike občutljivosti za radijske motnje - Mejne vrednosti in metode merjenja za zaščito sprejemnikov na krovu - Popravek AC
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/AC:2017-11**
ICS: **33.060.20, 33.100.99**

Popravek k standardu SIST EN 55025:2017.
Ta standard opredeljuje preskusne metode, namenjene za proizvajalce in dobavitelje vozil, za pomoč pri oblikovanju vozil in sestavnih delov ter zagotavljanje nadziranih ravni frekvenčnih emisij v vozilih.
Podaja smernice glede omejitev za preskušanje vozil, osnovanih na delovanju običajnega radijskega sprejemnika z anteno kot delom vozila ali s preskusno anteno, kadar uporaba posebne antene ni določena. Opredeljeni frekvenčni pasovi se ne uporabljajo za vse regije ali države sveta. Iz ekonomičnih razlogov lahko proizvajalec identificira frekvenčne pasove, ki se uporabljajo v državah, v katerih namerava tržiti vozilo, in radijske storitve, ki se bodo predvidoma uporabljale v vozilu.
Primer: čeprav televizijski frekvenčni pasovi zasedajo velik del radijskega spektra, številni modeli vozil verjetno ne bodo vključevali vgrajenega televizijskega sprejemnika. Z vidika ekonomičnosti postopek preskušanja in omejevanja virov hrupa v takih vozilih ni upravičen.
Proizvajalec vozila mora opredeliti, v katerih državah namerava tržiti vozilo, in nato izbrati ustrezne frekvenčne pasove in omejitve. V tem primeru se lahko opravi ustrezna izbira parametrov preskušanja sestavnih delov iz tega standarda v skladu z izbranim načrtom trženja.

SIST EN 61000-2-2:2003/A1:2018
2018-01 (po) (en) 17 str. (E)
Elektromagnetna združljivost (EMC) - 2-2. del: Okolje - Nivoji združljivosti za nizkofrekvenčne prevodne motnje in signaliziranje v javnih nizkonapetostnih napajalnih sistemih - Dopolnilo A1
Electromagnetic compatibility (EMC) - Part 2-2: Environment - Compatibility levels for low-frequency conducted disturbances and signalling in public low-voltage power supply systems
Osnova: **EN 61000-2-2:2002/A1:2017**
ICS: **33.100.01**

Dopolnilo A1:2018 je dodatek k standardu SIST EN 61000-2-2:2003.
This standard is concerned with conducted disturbances in the frequency range from 0 kHz to 9 kHz, with an extension up to 148,5 kHz specifically for mains signalling systems. It gives

compatibility levels for public low voltage a.c. distribution systems having a nominal voltage up to 420 V, single-phase or 690 V, three-phase and a nominal frequency of 50 Hz or 60 Hz.

SIST EN 61000-4-12:2018 SIST EN 61000-4-12:2007
2018-01 (po) (en) 49 str. (I)
Elektromagnetna združljivost (EMC) - 4-12. del: Preskusne in merilne tehnike - Preskus odpornosti proti zadušenemu nihajnemu valu
Electromagnetic compatibility (EMC) - Part 4-12: Testing and measurement techniques - Ring wave immunity test
Osnova: **EN 61000-4-12:2017**
ICS: **33.100.20**

This part of IEC 61000 relates to the immunity requirements and test methods for electrical and electronic equipment, under operational conditions, to ring waves occurring in low-voltage power, control and signal lines supplied by public and non-public networks.
The object of this document is to establish a common reference for evaluating the immunity of electrical and electronic equipment when subjected to ring waves. The test method documented in this part of IEC 61000 describes a consistent method to assess the immunity of an equipment or system against a defined phenomenon.
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 and test levels for their products.
This document defines:
– test voltage and current waveforms;
– a range of test levels;
– test equipment;
– test setups;
– test procedures.

SIST EN 61000-4-5:2014/A1:2018
2018-01 (po) (en) 7 str. (B)
Elektromagnetna združljivost (EMC) - 4-5. del: Preskusne in merilne tehnike - Preskus odpornosti proti napetostnemu udaru - Dopolnilo A1
Electromagnetic compatibility (EMC) - Part 4-5: Testing and measurement techniques - Surge immunity test
Osnova: **EN 61000-4-5:2014/A1:2017**
ICS: **33.100.20**

Dopolnilo A1:2018 je dodatek k standardu SIST EN 61000-4-5:2014.
Standard EN IEC 61000-4-5 obravnava zahteve po odpornosti, preskusne metode in razpon priporočenih preskusnih vrednosti za opremo glede na enosmerne napetostne udare, ki jih povzroči prenapetost pri prehodnem preklapljanju in atmosferskih napetostnih udarih. Določenih je več preskusnih ravni, ki se nanašajo na različna okolja in pogoje vgradnje. Te zahteve so oblikovane in veljajo za električno in elektronsko opremo. Namen tega standarda je določiti skupno referenco za ocenjevanje odpornosti električne in elektronske opreme na napetostne udare. Preskusna metoda, dokumentirana v tem delu standarda IEC 61000, opisuje skladno metodo za oceno odpornosti opreme ali sistema proti opredeljenemu pojavu. Ta standard določa: – razpon preskusnih ravni, – preskusno opremo, – preskusne nastavitve, – preskusne postopke. Naloga opisanega laboratorijskega preskusa je odkriti reakcijo preskušane opreme (EUT) pri določenih pogojih delovanja na napetostne udare, ki jih povzročita prehodno preklapljanje in atmosferski napetostni udari. Ni namenjen preskušanju odpornosti izolacije preskušane opreme

na visokonapetostne obremenitve. Neposredno napajanje s tokovi strele, tj. neposredni udarci strele, niso obravnavani v tem standardu.

SIST/TC ERS Električni rotacijski stroji

SIST EN 60034-12:2018 SIST EN 60034-12:2002
SIST EN 60034-12:2002/A1:2007

2018-01 (po) (en;fr;de) 17 str. (E)

Električni rotacijski stroji - 12. del: Zagonske lastnosti enohitrostnih trifaznih motorjev s kratkostično kletko (IEC 60034-12:2016)

Rotating electrical machines - Part 12: Starting performance of single-speed three-phase cage induction motors (IEC 60034-12:2016)

Osnova: EN 60034-12:2017
ICS: 29.160.30

This part of IEC 60034 specifies the parameters for eight designs of starting performance of single-speed three-phase 50 Hz or 60 Hz cage induction motors in accordance with IEC 60034-1 that:
– have a rated voltage up to 1 000 V;
– are intended for direct-on-line or star-delta starting;
– are rated on the basis of duty type S1;
– are constructed to any degree of protection and explosion protection.
This document also applies to dual voltage motors provided that the flux saturation level is the same for both voltages.
The values of torque, apparent power and current given in this document are limiting values (that is, minimum or maximum without tolerance).
NOTE 1 It is not expected that all manufacturers will produce machines for all eight designs. The selection of any specific design in accordance with this document will be a matter of agreement between the manufacturer and the purchaser.
NOTE 2 Designs other than the eight specified may be necessary for particular applications.
NOTE 3 It should be noted that values given in manufacturers' catalogues may include tolerances in accordance with IEC 60034-1.
NOTE 4 The values tabled for locked rotor apparent power are based on r.m.s. symmetrical steady state locked rotor currents; at motor switch on there will be a one-half cycle asymmetrical instantaneous peak current which may range from 1,8 to 2,8 times the steady state locked rotor value. The current peak and decay time are a function of the motor design and switching angle.

SIST EN 60034-18-42:2018 SIST-TS CLC/TS 60034-18-42:2011

2018-01 (po) (en;fr;de) 47 str. (I)

Električni rotacijski stroji - 18-42. del: Električni izolacijski sistemi, odporni proti delni razelektritvi (tip II), ki se uporabljajo v električnih rotacijskih strojih, napajanih prek napetostnih pretvornikov - Preskusi zahtevanih pogojev (IEC 60034-18-42:2017)

Rotating electrical machines - Part 18-42: Partial discharge resistant electrical insulation systems (Type II) used in rotating electrical machines fed from voltage converters - Qualification tests (IEC 60034-18-42:2017)

Osnova: EN 60034-18-42:2017
ICS: 29.080.30, 29.160.01

IEC/TS 60034-18-42:2008 defines criteria for assessing the insulation system of stator/rotor windings of single or polyphase AC machines which are subjected to repetitive impulse voltages, such as pulse width modulation converters, and expected to withstand partial discharge activity during service. It specifies electrical qualification and acceptance tests on representative samples which verify fitness for operation with voltage-source converters.

SIST/TC EXP Električni aparati za eksplozivne atmosfere

SIST EN 60079-30-2:2018 SIST EN 60079-30-2:2007
2018-01 (po) (en;fr;de) 74 str. (L)
Eksplozivne atmosfere - 30-2. del: Električni uporovni grelni trakovi - Vodilo za zasnovo, inštalacijo in vzdrževanje (IEC/IEEE 60079-30-2:2015, spremenjen)
Explosive atmospheres - Part 30-2: Electrical resistance trace heating - Application guide for design, installation and maintenance IEC/IEEE 60079-30-2:2015 (MOD)
Osnova: EN 60079-30-2:2017
ICS: 29.260.20

This part of IEC 60079 provides guidance for the application of electrical resistance trace heating systems in areas where explosive atmospheres may be present, with the exclusion of those classified as requiring EPL Ga/Da (traditional relationship to Zone 0 and Zone 20 respectively). It provides recommendations for the design, installation, maintenance and repair of trace heating systems including associated control and monitoring equipment. It does not cover devices that operate by induction heating, skin effect heating or direct pipeline heating, nor those intended for stress relieving.

SIST/TC FGA Funkcionalnost gospodinjskih aparatov

SIST EN 62863:2018
2018-01 (po) (en) 19 str. (E)
Metode za merjenje lastnosti električnih strižnikov in prirezovalnikov las za uporabo v gospodinjstvu
Methods of measuring performances of electric hair clippers or trimmers for household use
Osnova: EN 62863:2017
ICS: 97.170

This document applies to reciprocating electric hair clippers or trimmers for household use. This document deals with the methods of measuring performances of electric hair clippers or trimmers for household use with a rated voltage not greater than 250V.
This document does not specify safety or performance requirements.
This document does not apply to professional hair clippers or trimmers, animal shearers and animal clippers, or shavers. For shavers, refer to IEC 61254.
NOTE This document does not cover safety requirements (see IEC 60335-2-8).

SIST/TC IEHT Elektrotehnika - Hidravlične turbine

SIST EN 60061-1:1999/A56:2018/AC:2018
2018-01 (po) (en,fr) 3 str. (AC)
Vznožki in okovi sijalk skupaj s kalibri za nadzorovanje izmenljivosti in varnosti - 1. del: Vznožki sijalk - Popravek AC (IEC 60061-1:1969/A56:2017/COR1:2017)
Lamp caps and holders together with gauges for the control of interchangeability and safety - Part 1: Lamp caps (IEC 60061-1:1969/A56:2017/COR1:2017)
Osnova: EN 60061-1:1993/A56:2017/AC:2017-11
ICS: 29.140.10

Popravek k standardu SIST EN 60061-1:1999/A56:2018.
Vsebuje priporočila IEC v zvezi z vznožki in okovi žarnic in sijalk , ki so danes v splošni rabi, skupaj z ustreznimi kalibri, s ciljem zagotoviti mednarodno medsebojno zamenljivost. Ponazorjeni kalibri, čeprav načeloma splošno sprejeti, niso nujno edina oblika, v kateri so lahko narejeni. Ponazorjeni kalibri, čeprav načeloma splošno sprejeti, niso nujno edina oblika, v kateri so lahko narejeni.

SIST EN 62612:2014/A11:2017/AC:2018
2018-01 (po) (en) 1 str. (AC)
LED-sijalke za splošno razsvetljavo z vgrajeno predstikalno napravo pri napajalni napetosti nad 50 V - Tehnične zahteve - Popravek AC
Self-ballasted LED lamps for general lighting services with supply voltages > 50 V - Performance requirements
Osnova: EN 62612:2013/A11:2017/AC:2017-11
ICS: 29.140.01

Popravek k standardu SIST EN 62612:2014/A11:2017.
Ta mednarodni standard določa zahteve glede zmogljivosti, vključno s preskusnimi metodami in pogoji, ki so potrebni za preverjanje skladnosti sijalk LED z vključenimi sredstvi za stabilno delovanje, ki so namenjene za domačo in podobno splošno razsvetljavo ter imajo:
• nazivno moč do 60 W;
• nazivno napetost od 50 do 250 VAC;
• svetilno osnovo, kot je opredeljeno v standardu IEC 62560.
Te zahteve glede zmogljivosti so dodane k zahtevam iz standarda IEC 62560., Edina lastnost, podana s tem standardom, ko se ta uporablja za namene zamenjave, je informacija o največjem obsegu svetilke. Zahteve iz tega standarda se nanašajo na tipsko preskušanje. Ta standard zajema svetilke LED, ki namenoma proizvajajo belo svetlobo, osnovano na neorganskih svetilkah LED.
Priporočila za preskušanje celotnega proizvoda ali serije so v obravnavi. Življenjska doba svetilk LED je v večini primerov precej daljša od preskusnih časov v praksi. Posledično ni mogoče preveriti proizvajalčeve trditve o življenjski dobi z zadostno mero zanesljivosti, ker projekcija preskusnih podatkov v prihodnost ni standardizirana. Zaradi tega sprejetje ali zavrnitev proizvajalčevih trditev o življenjski dobi nad nazivno življenjsko dobo, kot je opredeljeno v točki v 7.1, je zunaj področja uporabe tega standarda. Namesto preverjanja veljavnosti življenjske dobe ta standard določa kode vzdrževanja lumnov pri opredeljenem končnem preskusnem času. Zato številka kode ne predvideva napovedi dosegljive življenjske dobe. Kategorije, ki jih predstavljajo kode, so kategorije znižanja vrednosti lumnov, ki delujejo v skladu z informacijami proizvajalca, ki so na voljo pred začetkom preskusa. Za preverjanje trditve o življenjski dobi obstaja več metod za ekstrapolacijo preskusnih podatkov. Presoja se splošna metoda projiciranja podatkov meritev zunaj omejenega preskusnega časa. Merilo za uspel/neuspel preskus življenjske dobe, kot je določeno v tem standardu, se razlikuje od nazivnih meritev proizvajalcev. Za razlago priporočenih meritev življenjske dobe glej dodatek E. OPOMBA: Če žarnice delujejo v svetilki, se lahko podatki o zmogljivosti razlikujejo od vrednosti v tem standardu, predvsem zaradi komponent svetilke, ki vplivajo na delovanje žarnice.

SIST EN 62838:2016/AC:2018
2018-01 (po) (en,fr) 3 str. (AC)
Sijalke LED za splošno razsvetljavo z napajalnimi napetostmi, ki ne presegajo efektivne izmenične napetosti 50 V ali nevalovite enosmerne napetosti 120 V - Varnostna specifikacija - Popravek AC (IEC 62838:2015/COR1:2017)
LEDsi lamps for general lighting services with supply voltages not exceeding 50 V a.c. r.m.s. or 120 V ripple free d.c. - Safety specifications (IEC 62838:2015/COR1:2017)
Osnova: EN 62838:2016/AC:2017-11
ICS: 29.140.30

Popravek k standardu SIST EN 62838:2016.
Ta mednarodni standard določa zahteve za varnost in zamenljivost vključno s preskusnimi metodami in pogoji, ki so potrebni za preverjanje skladnosti sijalk LED z vključenimi sredstvi za stabilno delovanje, ki so namenjene za domačo in podobno splošno razsvetljavo ter imajo:
– nazivno moč do 60 W;
– nazivno napetost do in vključno s 50 V efektivne izmenične napetosti ali do in vključno s 120 V nevalovite enosmerne napetosti;
– vznožki po preglednici 1.
OPOMBA 1: Nazivna moč 60 W je v obravnavi. Za regulacijo toplote se lahko potrebuje manj moči. Standard je treba uporabljati za izdelke v povezavi z inštalacijami razsvetljave z električno

napeljavo nizke napetosti. Skladno s standardom IEC 60364-7-715 se v inštalacijah razsvetljave z električno napeljavo nizke napetosti uporabljajo samo viri SELV. Če se uporabljajo neizolirani vodniki, je največja izmenična napetost sijalk 25 V ali enosmerna 60 V.
Zahteve iz tega standarda se nanašajo samo na tipsko preskušanje. Za sijalke z izmenično napetostjo, večjo od 25 V, ali enosmerno napetostjo 60 V, so priporočila za preskušanje celotne proizvodnje ali serije podana v standardu IEC 60598-1, preglednica Q.1, razred stolpcev III – svetilke, stolpec 4 ali 5. OPOMBA 2: Izraz »sijalka« v tem standardu označuje polintegrirane sijalke LED z napajalnimi napetostmi, ki so navedene zgoraj, razen ko se izraz očitno uporablja za druge vrste sijalk. Pregled sistema, sestavljenega iz modulov LED, sijalk in stikalne naprave, je podan v IEC 62504. Napajalna napetost ne pomeni nujno napetosti električnega omrežja, npr. 230 V/50 Hz. Polintegrirane sijalke LED se lahko napajajo tudi na izmenični ali enosmerni napajalni napetosti 12 V. V tem primeru krmilna enota stikalne naprave polintegrirane sijalke LED pretvori izmenično ali enosmerno napetost 12 V v tok in napetost, ki sta primerna za napajanje diode LED v polintegrirani sijalki LED. Vrste sijalk LEDni in LEDsi so prikazane na shemi na sliki 1.

SIST/TC IEKA Električni kabli

SIST EN 50655-1:2018 SIST HD 631.1 S2:2008
2018-01 (po) (en) 9 str. (C)
Električni kabli - Pribor - Značilnosti materialov - 1. del: Identifikacija materiala za smolne zmesi
Electric cables - Accessories - Material characterization - Part 1: Fingerprinting for resinous compounds
Osnova: EN 50655-1:2017
ICS: 29.060.20, 29.035.20

This European Standard specifies the test methods and requirements of tests for fingerprinting (as defined in 3.9) of solvent-free polymerizable, reacting resinous compound intended to be used for electrical insulation and mechanical protection in cable accessories covered by EN 50393, HD 629.1 and HD 629.2, for low and medium voltage up to 20,8/36 (42) kV.
Fingerprinting testing of materials does not have a mandatory link to type testing of accessories. It is regarded as stand-alone tests, but it may be carried out in combination with the accessory type tests.
NOTE Information on health and safety is given in Annex A.

SIST EN 50655-2:2018 SIST HD 631.2 S1:2008
SIST HD 631.3 S1:2009
2018-01 (po) (en) 10 str. (C)
Električni kabli - Pribor - Značilnosti materialov - 2. del: Identifikacija materiala toplotno skrčljivih komponent za uporabo v nizko- in srednjenapetostnih sistemih do 20,8/36 (42) kV
Electric cables - Accessories - Material characterization - Part 2: Fingerprinting for heat shrinkable components for low and medium voltage applications up to 20,8/36 (42) kV
Osnova: EN 50655-2:2017
ICS: 29.060.20, 29.035.20

This European Standard specifies the methods and requirements for fingerprinting (as defined in 3.13) of heat shrinkable components intended to be used for electrical insulation or electrical insulation and mechanical protection in cable accessories for low and medium voltage, as defined in EN 50393, HD 629.1 and HD 629.2.
Fingerprinting of materials does not have a mandatory link to type testing of accessories. It is regarded as a stand-alone test, but it may be carried out in combination with accessory type tests.

SIST EN 50655-3:2018 SIST HD 631.4 S1:2009
2018-01 (po) (en) 8 str. (B)
Električni kabli - Pribor - Značilnosti materialov - 3. del: Identifikacija materiala hladno skrčljivih komponent za uporabo v nizko- in srednjenapetostnih sistemih do vključno 20,8/36 (42) kV
Electric cables - Accessories - Material characterization - Part 3: Fingerprinting for cold shrinkable components for low and medium voltage applications up to 20,8/36 (42) kV
Osnova: **EN 50655-3:2017**
ICS: **29.060.20, 29.035.20**

This European Standard specifies the test methods and requirements for fingerprinting (as defined in 3.11) of cold shrinkable components intended to be used in cable accessories for low and medium voltage, as defined in EN 50393, HD 629.1 and HD 629.2.
Fingerprinting testing of materials does not have a mandatory link to type testing of accessories. It is regarded as a stand-alone test, but it may be carried out in combination with the accessory type tests.
Component basic functions can be conductive, stress control or stress grading, insulating, oil barrier, anti-tracking, external protection and sealing. Components are supplied as single layer items or as multi-layer items.
Components are generally supplied pre-expanded or with a system allowing expansion prior to installation.
NOTE Information on health and safety is given in Annex A.

SIST EN 60811-201:2012/A1:2018
2018-01 (po) (en) 4 str. (A)
Električni in optični kabli - Preskusne metode za nekovinske materiale - 201. del: Splošni preskusi - Meritev debeline izolacije - Popravek A1 (IEC 60811-201:2012/A1:2017)
Electric and optical fibre cables - Test methods for non-metallic materials - Part 201: General tests - Measurement of insulation thickness (IEC 60811-201:2012/A1:2017)
Osnova: **EN 60811-201:2012/A1:2017**
ICS: **29.060.20, 29.035.01**

Dopolnilo A1:2018 je dodatek k standardu SIST EN 60811-201:2012.
201. del standarda IEC 60811 navaja metode za meritev debeline izolacije, ki se uporabljajo za najbolj splošne tipe izolacijskih spojin (zamreženih, PVC, PE, PP itd.).

SIST EN 60811-202:2012/A1:2018
2018-01 (po) (en) 5 str. (B)
Električni in optični kabli - Preskusne metode za nekovinske materiale - 202. del: Splošni preskusi - Meritve debeline nekovinskih plaščev - Dopolnilo A1 (IEC 60811-202:2012/A1:2017)
Electric and optical fibre cables - Test methods for non-metallic materials - Part 202: General tests - Measurement of thickness of non-metallic sheath (IEC 60811-202:2012/A1:2017)
Osnova: **EN 60811-202:2012/A1:2017**
ICS: **29.060.20, 29.035.01**

Dopolnilo A1:2018 je dodatek k standardu SIST EN 60811-202:2012.
202. del standarda IEC 60811 navaja metode za meritev debeline nekovinskih plaščev, ki se uporabljajo za najbolj splošne tipe spojin za plašče (zamreženih, PVC, PE, PP itd.).

SIST EN 60811-401:2012/A1:2018
2018-01 (po) (en) 5 str. (B)
Električni in optični kabli - Preskusne metode za nekovinske materiale - 401. del: Drugi preskusi - Metode termičnega staranja - Staranje v zračni peči (na vroči zrak) - Dopolnilo A1 (IEC 60811-401:2012/A1:2017)
Electric and optical fibre cables - Test methods for non-metallic materials - Part 401: Miscellaneous tests - Thermal ageing methods - Ageing in an air oven (IEC 60811-401:2012/A1:2017)
Osnova: **EN 60811-401:2012/A1:2017**
ICS: **29.060.20, 29.035.01**

Dopolnilo A1:2018 je dodatek k standardu SIST EN 60811-401:2012.
401. del standarda IEC 60811 določa postopek za staranje v zračni peči (na vroči zrak), ki se običajno uporablja za zamrežene in termoplastične zmesi za izolacije in plašče.

SIST EN 60811-410:2012/A1:2018
2018-01 (po) (en) 5 str. (B)
Električni in optični kabli - Preskusne metode za nekovinske materiale - 410. del: Drugi preskusi - Preskusna metoda za z bakrom katalizirano oksidativno poslabšanje poliolefinsko izoliranih vodnikov - Dopolnilo A1 (IEC 60811-410:2012/A1:2017)
Electric and optical fibre cables - Test methods for non-metallic materials - Part 410: Miscellaneous tests - Test method for copper-catalyzed oxidative degradation of polyolefin insulated conductors (IEC 60811-410:2012/A1:2017)
Osnova: **EN 60811-410:2012/A1:2017**
ICS: **29.035.20, 29.060.20**

Dopolnilo A1:2018 je dodatek k standardu SIST EN 60811-410:2012.
410. del standarda IEC 60811 navaja preskusno metodo za z bakrom katalizirano oksidativno poslabšanje poliolefina, ki se običajno uporablja za izolacijo komunikacijskih kablov. V tem standardu niso navedeni vsi preskusni pogoji, kot so temperatura, trajanje itd., in vse zahteve preskusa; navedene naj bi bile v standardu, ki obravnava ustrezne vrste kablov.

SIST EN 60811-508:2012/A1:2018
2018-01 (po) (en) 6 str. (B)
Električni in optični kabli - Preskusne metode za nekovinske materiale - 508. del: Mehanski preskusi - Tlačni preskus izolacije in plaščev pri visoki temperaturi - Dopolnilo A1 (IEC 60811-508:2012/A1:2017)
Electric and optical fibre cables - Test methods for non-metallic materials - Part 508: Mechanical tests - Pressure test at high temperature for insulation and sheaths (IEC 60811-508:2012/A1:2017)
Osnova: **EN 60811-508:2012/A1:2017**
ICS: **29.060.20, 29.035.01**

Dopolnilo A1:2018 je dodatek k standardu SIST EN 60811-508:2012.
This Part 508 of IEC 60811 gives the procedure for a pressure test at high temperature, which typically applies to thermoplastic compounds used for insulating and sheathing materials.

SIST EN 60811-509:2012/A1:2018
2018-01 (po) (en) 5 str. (B)
Električni in optični kabli - Preskusne metode za nekovinske materiale - 509. del: Mehanski preskusi - Preskus odpornosti izolacije in plaščev proti pokanju (preskus s toplotnim šokom) - Dopolnilo A1 (IEC 60811-509:2012/A1:2017)
Electric and optical fibre cables - Test methods for non-metallic materials - Part 509: Mechanical tests - Test for resistance of insulations and sheaths to cracking (heat shock test) (IEC 60811-509:2012/A1:2017)
Osnova: **EN 60811-509:2012/A1:2017**
ICS: **29.060.20, 29.035.01**

Dopolnilo A1:2018 je dodatek k standardu SIST EN 60811-509:2012.
509. del standarda IEC 60811 navaja postopek za preskus odpornosti izolacije in plaščev proti pokanju pri povišani temperaturi.

SIST EN 60811-511:2012/A1:2018
2018-01 (po) (en) 6 str. (B)
Električni in optični kabli - Preskusne metode za nekovinske materiale - 511. del: Mehanski preskusi - Meritve indeksa pretoka taline polietilenskih zmesi - Dopolnilo A1 (IEC 60811-511:2012/A1:2017)
Electric and optical fibre cables - Test methods for non-metallic materials - Part 511: Mechanical tests - Measurement of the melt flow index of polyethylene and polypropylene compounds (IEC 60811-511:2012/A1:2017)
Osnova: EN 60811-511:2012/A1:2017
ICS: 29.035.20, 29.060.20

Dopolnilo A1:2018 je dodatek k standardu SIST EN 60811-511:2012.
511. del standarda IEC 60811 opisuje postopek za meritve indeksa pretoka taline polietilenskih zmesi.

SIST/TC IEMO Električna oprema v medicinski praksi

SIST EN 50637:2018
2018-01 (po) (en) 89 str. (M)
Medicinska električna oprema - Posebne zahteve za osnovno varnost in bistvene lastnosti medicinskih postelj za otroke
Medical electrical equipment - Particular requirements for the basic safety and essential performance of medical beds for children
Osnova: EN 50637:2017
ICS: 11.140

This Standard applies to the BASIC SAFETY and ESSENTIAL PERFORMANCE of MEDICAL BEDS, hereafter referred to as MEDICAL BEDS as defined in 201.3.218, intended for CHILDREN as defined in 201.3.207, and ADULTS with atypical anatomy (ADULTS ranging outside the definition for ADULTS in 201.3.201). This standard applies to medical beds with nonadjustable and electrical / mechanical adjustable functions. This Standard applies to MEDICAL BEDS with an internal length of up to 180 cm suitable to a body length of 155 cm.
NOTE 1 The limitation of 180 cm is in order to minimize the foreseeable misuse, of a parent sharing the bed with the child or that the bed will be used by an ADULT.
If a manufacturer wishes to make a bed that can be used by both a child and an ADULT, e.g. length of 180 cm or more, then it will fulfil both EN 60601-2-52 and this particular standard.
This Standard does not apply to MEDICAL BEDS intended for ADULTS as defined in 201.3.201 (covered by EN 60601-2-52).
This Standard does not apply to :
- incubators covered by EN 60601-2-19 ;
- beds for children, covered by EN 716-1 and EN 716-2 ;
- cribs and cradles covered by EN 1130 (all parts) ;
- bunk beds and high beds, covered by EN 747-1 and 747-2.
If a clause or subclause is specifically intended to be applicable to a MEDICAL BED only, or to ME SYSTEMS only, the title and content of that clause or subclause will say so. If that is not the case, the clause or subclause applies both to MEDICAL BEDS and to ME SYSTEMS, as relevant.
HAZARDS inherent in the intended physiological function of MEDICAL BED or ME SYSTEMS within the scope of this standard are not covered by specific requirements in this standard except in 7.2.13 and 8.4.1 of EN 60601-1:2006.
NOTE 2 See also 4.2 of EN 60601-1:2006.
NOTE 3 Body length is measured from crown to sole.

SIST/TC IESV Električne svetilke

SIST EN 60061-1:1999/A56:2018
2018-01 (po) (en,fr) 24 str. (F)
Vznožki in okovi sijalk skupaj s kalibri za nadzorovanje izmenljivosti in varnosti - 1. del: Vznožki sijalk - Dopolnilo A56 (IEC 60061-1:1969/A56:2017)
Lamp caps and holders together with gauges for the control of interchangeability and safety - Part 1: Lamp caps (IEC 60061-1:1969/A56:2017)
Osnova: EN 60061-1:1993/A56:2017
ICS: 29.140.10

Dopolnilo A56:2018 je dodatek k standardu SIST EN 60061-1:1999.
Vsebuje priporočila IEC v zvezi z vznožki in okovi žarnic in sijalk , ki so danes v splošni rabi, skupaj z ustreznimi kalibri, s ciljem zagotoviti mednarodno medsebojno zamenljivost. Ponazorjeni kalibri, čeprav načeloma splošno sprejeti, niso nujno edina oblika, v kateri so lahko narejeni. Ponazorjeni kalibri, čeprav načeloma splošno sprejeti, niso nujno edina oblika, v kateri so lahko narejeni.

SIST EN 60081:1999/A6:2018
2018-01 (po) (en) 71 str. (L)
Fluorescenčne sijalke z dvema vznožkoma - Zahteve glede tehničnih lastnosti - Dopolnilo A6 (IEC 60081:1997/A6:2017)
Double-capped fluorescent lamps - Performance specifications (IEC 60081:1997/A6:2017)
Osnova: EN 60081:1998/A6:2017
ICS: 29.140.30

Dopolnilo A6:2018 je dodatek k standardu SIST EN 60081:1999.
Določa tehnične karakteristike fluorescenčnih sijalk z dvema vznožkoma za splošne svetilne storitve. Zahteve tega standarda so povezane samo z tipskim preskušanjem. Obravnavani so pogoji skladnosti, vključno z metodami statističnih ocenjevanj.

SIST/TC IHPV Hidravlika in pnevmatika

SIST EN 12627:2018 SIST EN 12627:2000
2018-01 (po) (en) 10 str. (C)
Industrijski ventili - Zunanji varilni nastavki za jeklene ventile
Industrial valves - Butt welding ends for steel valves
Osnova: EN 12627:2017
ICS: 23.060.01

This European Standard specifies the dimensions of butt welding ends of steel valves DN 8 to DN 1 400 designed to be butt welded to standardized pipes.
NOTE The outside diameters and wall thickness of standardized pipes are in accordance with ISO 4200.

SIST EN 593:2018 SIST EN 593:2009+A1:2014
2018-01 (po) (en) 35 str. (H)
Industrijski ventili - Kovinske zaporne lopute za splošno uporabo
Industrial valves - Metallic butterfly valves for general purposes
Osnova: EN 593:2017
ICS: 23.060.30

This European Standard specifies minimum general requirements for butterfly valves having metallic bodies for use in wafer, lug, flange or butt welding piping systems and used for isolating, regulating or control applications.
The PN and Class ranges are:
- PN 2,5; PN 6; PN 10; PN 16; PN 25; PN 40; PN 63; PN 100; PN 160;
- Class 150; Class 300; Class 600; Class 900.
The DN range is:
- DN 20; DN 25; DN 32; DN 40; DN 50; DN 65; DN 80; DN 100; DN 125; DN 150; DN 200; DN 250; DN 300; DN 350; DN 400; DN 450; DN 500; DN 600; DN 700; DN 750; DN 800; DN 900; DN 1 000; DN 1 100; DN 1 200; DN 1 400; DN 1 500; DN 1 600; DN 1 800; DN 2 000; DN 2 200; DN 2 400; DN 2 600; DN 2 800; DN 3 000; DN 3 200; DN 3 400; DN 3 600; DN 3 800; DN 4 000.
DN 750 is used only for Class 150 and Class 300.
NOTE Intermediate DNs are allowed upon agreement between manufacturer and customer.
For valves subject to Pressure Equipment Directive, EN 16668 applies together with this European Standard.
For industrial process control valves, EN 1349 and EN 60534 2 1 apply together with this European Standard.
For water supply application, EN 1074 1 and EN 1074 2 apply together with this European Standard.
The correspondence between DN and NPS is given for information in Annex D.

SIST/TC IKER Keramika

SIST EN 12440:2018 SIST EN 12440:2008
2018-01 (po) (en;fr;de) 106 str. (N)
Naravni kamen - Poimenovanje
Natural stone - Denomination criteria
Osnova: EN 12440:2017
ICS: 91.100.15, 01.040.91

This European Standard establishes the criteria for the designation of natural stone from raw material to finished products.

SIST/TC INIR Neionizirna sevanja

SIST EN 50360:2018 SIST EN 50360:2001
SIST EN 50360:2001/A1:2012
2018-01 (po) (en) 8 str. (B)
Produktni standard za prikaz skladnosti brezžičnih komunikacijskih naprav z osnovnimi ali izvedenimi mejnimi vrednostmi v povezavi z izpostavljenostjo prebivalstva elektromagnetnim sevanjem v frekvenčnem območju od 300 MHz do 6 GHz: naprave, ki se uporabljajo v bližini ušesa
Product standard to demonstrate the compliance of wireless communication devices, with the basic restrictions and exposure limit values related to human exposure to electromagnetic fields in the frequency range from 300 MHz to 6 GHz: devices used next to the ear
Osnova: EN 50360:2017
ICS: 13.280, 33.070.01

This product standard applies to wireless communication devices used in close proximity to the human ear (e.g. mobile phones, wireless headsets). The applicable frequency range is from 300 MHz to 6 GHz. The objective of this standard is to demonstrate the compliance of such devices with the basic restrictions and exposure limit values related to human exposure to radio frequency electromagnetic fields. For devices used next to the body or in front of the face the applicable product standard is EN 50566:2017. For low power devices the applicable product standard is prEN 50663:2016.

SIST EN 50385:2018 SIST EN 50384:2003
SIST EN 50385:2003

2018-01 (po) (en) 9 str. (C)

Produktni standard za prikaz skladnosti opreme baznih postaj z mejnimi vrednostmi v povezavi z izpostavljenostjo elektromagnetnim sevanjem (110 MHz - 100 GHz), ko je dana na trg
Product standard to demonstrate the compliance of base station equipment with radiofrequency electromagnetic field exposure limits (110 MHz - 100 GHz), when placed on the market
Osnova: EN 50385:2017
ICS: 13.280, 33.120.40

This product standard is related to human exposure to radiofrequency electromagnetic fields transmitted by base station equipment in the frequency range 110 MHz to 100 GHz.
The object is to assess the compliance of such equipment with the general public basic restrictions (directly or indirectly via compliance with reference levels) and the workers' exposure limit values (directly or indirectly via compliance with action values), when it is placed on the market.
For low power devices the applicable product standard is prEN 50663:2016.

SIST EN 50401:2018 SIST EN 50401:2006
SIST EN 50401:2006/A1:2012

2018-01 (po) (en) 9 str. (C)

Produktni standard za prikaz skladnosti opreme baznih postaj z mejnimi vrednostmi v povezavi z izpostavljenostjo elektromagnetnim sevanjem (110 MHz - 100 GHz), namenjene za uporabo
Product standard to demonstrate the compliance of base station equipment with radiofrequency electromagnetic field exposure limits (110 MHz - 100 GHz), when put into service
Osnova: EN 50401:2017
ICS: 13.280, 33.070.01

This product standard is related to human exposure to radiofrequency electromagnetic fields transmitted by base station equipment in the frequency range 110 MHz to 100 GHz.
The object is to assess the compliance of such equipment with the general public basic restrictions (directly or indirectly via compliance with reference levels) and the workers' exposure limits values (directly or indirectly via compliance with action values), when it is put into service in its operational environment.

SIST EN 50566:2018 SIST EN 50566:2013
SIST EN 50566:2013/AC:2014

2018-01 (po) (en;fr;de) 8 str. (B)

Produktni standard za prikaz skladnosti brezžičnih komunikacijskih naprav z osnovnimi ali izvedenimi mejnimi vrednostmi v povezavi z izpostavljenostjo prebivalstva elektromagnetnim sevanjem v frekvenčnem območju od 30 MHz do 6 GHz: ročne in na telo pripete naprave, ki se uporabljajo v bližini telesa
Product standard to demonstrate the compliance of wireless communication devices with the basic restrictions and exposure limit values related to human exposure to electromagnetic fields in the frequency range from 30 MHz to 6 GHz: hand-held and body mounted devices in close proximity to the human body
Osnova: EN 50566:2017
ICS: 13.280, 33.070.01

This product standard applies to wireless communication devices used at distances up to and including 200 mm from the human body, i.e. when held in the hand or in front of the face, mounted on the body, combined with other transmitting or non-transmitting devices or accessories (e.g. belt-clip, camera or Bluetooth add-on), or embedded in garments. The applicable frequency range is from 30 MHz to 6 GHz. The objective of this standard is to demonstrate the compliance of such devices with the basic restrictions and exposure limit values related to human exposure to radio frequency electromagnetic fields.

For devices used next to the ear the applicable product standard is EN 50360:2017.
For low power devices the applicable product standard is prEN 50663:2016.

SIST EN 50663:2018
2018-01 (po) (en) 9 str. (C)
Splošni standard za oceno skladnosti nizkonapetostne elektronske in električne opreme glede na mejne vrednosti izpostavljenosti ljudi elektromagnetnemu sevanju (10 MHz - 300 GHz)
Generic standard for assessment of low power electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (0 Hz - 300 GHz)
Osnova: EN 50663:2017
ICS: 31.020, 29.020, 13.280

This European standard provides simple conformity assessment methods for low-power electronic and electrical equipment operating at frequencies between 10 MHz and 300 GHz to an electromagnetic field (EMF) exposure limit. If such equipment cannot be shown to comply with the applicable EMF exposure requirements using the exposure assessment methods in this standard, then other EMF product standards, may be used for conformity assessment.
This document has been prepared under a mandate given to CENELEC by the European Commission and the European Free Trade Association, and supports essential requirements of Radio Equipment Directive 2014/53/EU. Annex ZZ establishes relationships between this standard and that EU Directives.
Other standards can apply to products covered by this document. In particular this document is not designed to evaluate the electromagnetic compatibility with other equipment; nor does it reflect any product safety requirements other than those specifically related to human exposure to electromagnetic fields.

SIST EN 50664:2018
2018-01 (po) (en) 10 str. (C)
Splošni standard za prikaz skladnosti opreme, ki jo uporabljajo samo delavci z omejitvami glede izpostavljenosti elektromagnetnim poljem (0 Hz-300 GHz), namenjene za uporabo ali in situ
Product standard to demonstrate the compliance of equipment intended for use only by workers with limits on human exposure to electromagnetic fields (0 Hz - 300 GHz), when put into service or in situ
Osnova: EN 50664:2017
ICS: 31.020, 29.020, 13.280

The object of this generic standard is to provide a route for evaluation of equipment used by workers against limits on human exposure to electric, magnetic and electromagnetic fields, and induced and contact current when it is put into service in its operational environment, and also for in situ or post-market evaluation of such equipment
The frequency range covered is 0 Hz to 300 GHz.
The requirement for this standard arises from the withdrawal of EMF standardisation mandate M/305 and its replacement by M/511 and M/536. Previously only EMF product standards for equipment used by the public were mandated; that restriction has been removed and now standards are to be developed for products used by workers also.
For equipment used by workers, there is a specific need to assess whether when it is put into service, or afterwards when operating under reasonably foreseeable use conditions, its emissions meet EMF exposure limits when contributions from other nearby equipment are also considered. This is a particular issue in occupational environments where high power equipment can be close to other similar equipment, or to e.g power distribution systems.

SIST EN 50665:2018
2018-01 (po) (en) 10 str. (C)
Splošni standard za oceno elektronske in električne opreme glede omejevanja izpostavljenosti ljudi elektromagnetnemu sevanju (0 Hz–300 GHz)
Product standard for assessment of electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (0 Hz - 300 GHz)
Osnova: EN 50665:2017
ICS: 31.020, 29.020, 13.280

The object of this generic standard is to provide a route for evaluation of such equipment against limits on human exposure to electric, magnetic and electromagnetic fields, and induced and contact current.
This standard applies to electronic and electrical equipment for which no dedicated product- or product family standard, or standard relating to low power equipment, regarding human exposure to electromagnetic fields exists. If such a standard does exist then it shall be used and this standard shall not.
The frequency range covered is 0 Hz to 300 GHz.

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

SIST EN 1406:2018 SIST EN 1406:2009
2018-01 (po) (en;fr;de) 17 str. (E)
Kemikalije, ki se uporabljajo za pripravo pitne vode - Modificiran škrob
Chemicals used for treatment of water intended for human consumption - Modified starches
Osnova: EN 1406:2017
ICS: 13.060.20, 71.100.80

This draft European Standard is applicable to modified starches used for treatment of water intended for human consumption. It describes the characteristics of modified starches and specifies the requirements and the corresponding test methods for modified starches.

SIST/TC IPKZ Protikorozijska zaščita kovin

SIST EN 16866:2018
2018-01 (po) (en;fr;de) 16 str. (D)
Kovinske in druge anorganske prevleke - Istočasno določevanje debeline in potenciala elektrode posameznih plasti v večplastnih nikljevih depozitih (preskus STEP)
Metallic and other inorganic coatings - Simultaneous thickness and electrode potential determination of individual layers in multilayer nickel deposits (STEP test)
Osnova: EN 16866:2017
ICS: 25.220.40

This standard applies to electrodeposited zinc and zinc-alloy coatings on iron and steel with Cr(VI)-free passivation. The zinc-alloy coatings contain nickel or iron as alloying agents (referred to as zinc/nickel and zinc/iron coatings, respectively).
The main purpose of the coatings or coating systems is protecting iron and steel components against corrosion.
The standard prescribes the designations to be used for the above coating systems and specifies minimum corrosion resistances to be achieved in specified test procedures and the minimum coating thicknesses required to achieve them.

SIST EN ISO 9717:2018 SIST EN ISO 9717:2014
2018-01 (po) (en) 21 str. (F)
Kovinske in druge anorganske prevleke - Fosfatne prevleke na kovinah (ISO 9717:2017)
Metallic and other inorganic coatings - Phosphate conversion coating of metals (ISO 9717:2017)
Osnova: **EN ISO 9717:2017**
ICS: **25.220.40**

This document specifies a process for the confirmation of requirements for phosphate coatings which are usually destined for application on ferrous materials, zinc, cadmium and their alloys (see Annex B).

SIST/TC ISCB Sekundarne celice in baterije

SIST EN 62133-1:2018 SIST EN 62133:2013
2018-01 (po) (en) 25 str. (F)
Sekundarni členi in baterije z alkalnimi ali drugimi nekislinskimi elektroliti - Varnostne zahteve za prenosne zatesnjene sekundarne člene in za baterije, narejene iz njih, za uporabo v prenosnih napravah - 1. del: Nikljevi sistemi
Secondary cells and batteries containing alkaline or other non-acid electrolytes - Safety requirements for portable sealed secondary cells, and for batteries made from them, for use in portable applications - Part 1: Nickel systems
Osnova: **EN 62133-1:2017**
ICS: **29.220.30**

This part of IEC 62133 specifies requirements and tests for the safe operation of portable sealed secondary nickel cells and batteries containing alkaline electrolyte, under intended use and reasonably foreseeable misuse.

SIST EN 62619:2018
2018-01 (po) (en) 33 str. (H)
Sekundarni členi in baterije z alkalnimi ali drugimi nekislinskimi elektroliti - Varnostne zahteve za velik format sekundarnih litijevih členov in baterij za industrijsko uporabo
Secondary cells and batteries containing alkaline or other non-acid electrolytes - Safety requirements for large format secondary lithium cells and batteries for use in industrial applications
Osnova: **EN 62619:2017**
ICS: **29.220.30**

This document specifies requirements and tests for the safe operation of secondary lithium cells and batteries used in industrial applications including stationary applications. When there exists an IEC standard specifying test conditions and requirements for cells used in special applications and which is in conflict with this document, the former takes precedence (e.g., IEC 62660 series on road vehicles).
The following are some examples of applications that utilize cells and batteries under the scope of this document.
• Stationary applications: telecom, uninterruptible power supplies (UPS), electrical energy storage system, utility switching, emergency power, and similar applications.
• Motive applications: forklift truck, golf cart, auto guided vehicle (AGV), railway, and marine, excluding road vehicles.
Since this document covers batteries for various industrial applications, it includes those requirements, which are common and minimum to the various applications.
Electrical safety is included only as a part of the risk analysis of Clause 8. In regard to details for addressing electrical safety, the end use application standard requirements have to be considered.

This document applies to cells and batteries. If the battery is divided into smaller units, the smaller unit can be tested as the representative of the battery. The manufacturer clearly declares the tested unit. The manufacturer may add functions, which are present in the final battery to the tested unit.

SIST EN 63005-1:2018 SIST EN 61960:2011
2018-01 (po) (en) 22 str. (F)
Sekundarne celice in baterije z alkalnimi ali drugimi nekislinskimi elektroliti - 1. del: Sekundarni litijevi členi in baterije za prenosne naprave
Secondary cells and batteries containing alkaline or other non-acid electrolytes - Part 1: Secondary lithium cells and batteries for portable applications
Osnova: EN 61960-3:2017
ICS: 29.220.30

This part of IEC 63005 describes basic requirements for event video data recorders (EVDRs) for road vehicle accidents, used for identifying and analysing causes of accidents based on video from a front-mounted camera and other information obtained before and after such events. In addition to video from a front-mounted camera and vehicle behaviour, these products can record side and/or rear video data for enhanced functionalities in determining causes of accidents and analysing collision events.

SIST/TC ISS EIT.ERE Električni releji

SIST EN 61810-2:2018 SIST EN 61810-2:2011
2018-01 (po) (en) 45 str. (I)
Osnovni elektromehanski releji - 2. del: Zanesljivost
Electromechanical elementary relays - Part 2: Reliability
Osnova: EN 61810-2:2017
ICS: 29.120.70

This part of IEC 61810 covers test conditions and provisions for the evaluation of endurance tests using appropriate statistical methods to obtain reliability characteristics for relays. This document applies to electromechanical elementary relays considered as non-repaired items (i.e. items which are not repaired after failure). The lifetime of a relay is usually expressed in number of cycles (CTF). Therefore, whenever the terms “time” or “duration” are used in IEC 61649, they carry the meaning “cycles”. However, with a given frequency of operation, the number of cycles can be transformed into respective times (e.g. times to failure (TTF)). The failure criteria and the resulting characteristics of elementary relays describing their reliability in normal use are specified in this document. A relay failure occurs when the specified failure criteria are met.
As the failure rate for elementary relays cannot be considered as constant, particularly due to wear-out mechanisms, the cycles to failure of tested items typically show a Weibull distribution. This document provides numerical and graphical methods to calculate approximate values for the two-parameter Weibull distribution, as well as lower confidence limits and a method for confirmation of reliability values with the WeiBayes method. This document does not cover procedures for electromechanical elementary relays where enhanced requirements for the verification of reliability apply.
NOTE 1 Such reliability test procedures are specified in IEC 61810-2-1. In particular, when electromechanical elementary relays are intended to be incorporated in safety-related control systems of machinery in accordance with IEC 62061 and ISO 13849-1, IEC 61810-2-1 defines procedures for the manufacturer to provide *B*10D values. NOTE 2 Electromechanical elementary relays with forcibly guided (mechanically linked) contacts according to IEC 61810-3 offer the possibility of a high diagnostic coverage according to 4.5.3 of ISO 13849-1:2015.

SIST EN 61810-2-1:2018 SIST EN 61810-2-1:2011
2018-01 (po) (en) 20 str. (E)
Osnovni elektromehanski releji - 2-1. del: Zanesljivost - Postopki za overjanje vrednosti B10
Electromechanical elementary relays - Part 2-1: Reliability - Procedure for the verification of B10 values
Osnova: EN 61810-2-1:2017
ICS: 29.120.70

This part of IEC 61810 specifies reliability test procedures for electromechanical elementary relays when enhanced requirements for the verification of reliability apply. Particular provisions are given for relays incorporated in safety-related control systems of machinery in accordance with IEC 62061 and ISO 13849-1. For such relays, *B*10 values for dangerous failures (*B*10D values) are derived from the tests specified in this document.

SIST/TC ISTP Stavbno pohištvo

SIST EN 13126-8:2018 SIST EN 13126-8:2006
2018-01 (po) (en;fr;de) 31 str. (G)
Stavbno okovje - Okovje za okna in zastekljena vrata - 8. del: Zahteve in preskusne metode za nagibno-vrtljivo, vrtljivo-nagibno ter vrtljivo okovje
Building hardware - Hardware for windows and door height windows - Part 8: Requirements and test methods for Tilt and Turn, Tilt-First and Turn-Only hardware
Osnova: EN 13126-8:2017
ICS: 91.190

This European Standard specifies the requirements and test procedures for durability, strength, security and function of Tilt and Turn, Tilt-First and Turn-Only hardware components or sets for windows and door height windows in accordance with common application as shown in informative Annex C.
NOTE To maintain the guaranteed characteristics during the utilization period, the manufacturers' product information and the manufacturers' maintenance and service instructions will be complied with in a manner that can be proven.

SIST/TC ITC Informacijska tehnologija

SIST-TP CEN/TR 16931-6:2018
2018-01 (po) (en;fr;de) 85 str. (M)
Elektronsko izdajanje računov - 6. del: Rezultat preskusa po EN 16931-1 glede praktične uporabe za končnega uporabnika
Electronic invoicing - Part 6: Result of the test of EN 16931-1 with respect to its practical application for an end user
Osnova: CEN/TR 16931-6:2017
ICS: 35.240.63

This Technical Report specifies the result of the test of the European standard on the semantic data model for the core elements of an electronic invoice. The test focusses on its practical application for an end user.

SIST-TS CEN/TS 16931-3-2:2018
2018-01 (po) (en;fr;de) 240 str. (T)
Elektronsko izdajanje računov - 3-2. del: Sintaksa povezav za račun in dobropis v skladu z ISO/IEC 19845 (LBM 2.1)
Electronic invoicing - Part 3-2: Syntax binding for ISO/IEC 19845 (UBL 2.1) invoice and credit note
Osnova: CEN/TS 16931-3-2:2017
ICS: 35.240.63

This CEN Technical Specification (TS) contains the mapping between the semantic data model of an electronic invoice (EN 16931-1) and the following syntax: UBL 2.1. For each element in the semantic model (including sub-elements or supplementary componentts sucha as Code List identifiers) it is defined which element in the syntax is to be used to contain its information contents. Any mismatches between semantics, format, cardinality or structure are indicated. Any rules to be followed when using the specific syntax are stated informally in this TS. Together with this TS a set of validation artefacts is published, including formalisation of the rules.

SIST-TS CEN/TS 16931-3-4:2018
2018-01 (po) (en;fr;de) 221 str. (S)
Elektronsko izdajanje računov - 3-4. del: Sintaksa povezav v skladu z UN/EDIFACT INVOIC D16B
Electronic invoicing - Part 3-4: Syntax binding for UN/EDIFACT INVOIC D16B
Osnova: CEN/TS 16931-3-4:2017
ICS: 35.240.63

This CEN Technical Specification (TS) contains the mapping between the semantic data model of an electronic invoice (EN 16931-1) and the following syntax: UN/EDIFACT INVOIC D16B. For each element in the semantic model (including sub-elements or supplementary componentts sucha as Code List identifiers) it is defined which element in the syntax is to be used to contain its information contents. Any mismatches between semantics, format, cardinality or structure are indicated. Any rules to be followed when using the specific syntax are stated informally in this TS. Together with this TS a set of validation artefacts is published, including formalisation of the rules.

SIST/TC ITEK Tekstil in tekstilni izdelki

SIST EN ISO 2411:2018 SIST EN ISO 2411:2000
2018-01 (po) (en;fr;de) 19 str. (E)
Gumirane ali plastificirane tekstilije - Ugotavljanje adhezije plasti (ISO 2411:2017)
Rubber- or plastics-coated fabrics - Determination of coating adhesion (ISO 2411:2017)
Osnova: EN ISO 2411:2017
ICS: 59.080.40

This document specifies a method of determining the coating adhesion strength of coated fabrics.

SIST/TC ITIV Tiskana vezja in ravnanje z okoljem

SIST EN 50625-2-4:2018
2018-01 (po) (en) 19 str. (E)
Zahteve za zbiranje, logistiko in obdelavo odpadne električne in elektronske opreme (WEEE) - 2-4. del: Obravnava zahtev za fotonapetostne plošče
Collection, logistics & treatment requirements for WEEE - Part 2-4: Treatment requirements for photovoltaic panels
Osnova: EN 50625-2-4:2017
ICS: 27.160, 13.030.99

This clause of part 1 is replaced with the following:

This European Standard is applicable to the treatment of photovoltaic panels as mentioned in the WEEE Directive under Annex 4. The scope of this document is limited to photovoltaic panels with a minimum surface area of 0,2 m2.

This European Standard applies to the treatment of photovoltaic panels until end-of-waste status is fulfilled, or photovoltaic panel fractions are recycled, recovered or disposed.

This European Standard addresses all operators involved in the treatment including related handling, sorting and storage of photovoltaic panels. This European Standard applies to all facilities including those whose treatment operations using mobile treatment installation.

SIST EN 61191-2:2018 SIST EN 61191-2:2014

2018-01 (po) (en) 36 str. (H)

Sestavi plošč tiskanih vezij - 2. del: Področna specifikacija - Zahteve za površinsko nameščene spajkane sestave

Printed board assemblies - Part 2: Sectional specification - Requirements for surface mount soldered assemblies

Osnova: EN 61191-2:2017

ICS: 31.180, 31.190

This part of IEC 61191 gives the requirements for surface mount solder connections. The requirements pertain to those assemblies that are totally surface mounted or to the surface mounted portions of those assemblies that include other related technologies (e.g. throughhole, chip mounting, terminal mounting, etc.).

SIST EN 62321-4:2014/A1:2018

2018-01 (po) (en) 5 str. (B)

Določevanje posameznih snovi v elektrotehničnih izdelkih - 4. del: Določevanje živega srebra v polimerih, kovinah in elektroniki s CV-AAS, CV-AFS, ICP-OES in ICP-MS - Dopolnilo A1

Determination of certain substances in electrotechnical products - Part 4: Mercury in polymers, metals and electronics by CV-AAS, CV-AFS, ICP-OES and ICP-MS

Osnova: EN 62321-4:2014/A1:2017

ICS: 31.020, 29.020

Dopolnilo A1:2018 je dodatek k standardu SIST EN 62321-4:2014

SIST EN 62739-3:2018

2018-01 (po) (en) 34 str. (H)

Preskusna metoda za opremo za valovno spajkanje, ki uporablja staljeno spajkalno zlitino brez svinca - 3. del: Napotki za izbiro metod z erozijskim preskušanjem

Test method for erosion of wave soldering equipment using molten lead-free solder alloy - Part 3: Selection guidance of erosion test method

Osnova: EN 62739-3:2017

ICS: 25.160.50

This part of IEC 62739 describes the selection methodology of an appropriate evaluating test method for the erosion of the metal materials without or 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.

SIST-TS CLC/TS 50625-3-5:2018
2018-01 (po) (en) 16 str. (D)
Zahteve za zbiranje, logistiko in obdelavo odpadne električne in elektronske opreme (WEEE) - 3-5. del: Tehnična specifikacija za preprečevanje onesnaženja - Fotonapetostne plošče
Collection, logistics & Treatment requirements for WEEE - Part 3-5: Technical specification for de-pollution - Photovoltaic panels
Osnova: CLC/TS 50625-3-5:2017
ICS: 13.020.40, 27.160, 13.030.99

Clause 1 is replaced with the following:
This European Technical Specification is intended to be used in conjunction with the WEEE Treatment Standard for photovoltaic panels, FprEN 50625-2-4 and Technical Specification for de-pollution - General CLC/TS 50625-3-1:2015.

SIST/TC IŽNP Železniške naprave

SIST EN 16922:2018
2018-01 (po) (en;fr;de) 24 str. (F)
Železniške naprave - Talna oskrba - Oprema vozil za odvoz odpadnih voda
Railway applications - Ground based services - Vehicle waste water discharge equipment
Osnova: EN 16922:2017
ICS: 13.060.30, 45.060.20
This European Standard specifies the interface requirements for controlled emission toilet equipment on railway vehicles and the infrastructure, including catering area sink waste retention tanks.

SIST/TC KAT Kakovost tal

SIST EN 13368-2:2018 SIST EN 13368-2:2013
2018-01 (po) (en;fr;de) 28 str. (G)
Gnojila - Določevanje sredstev za kelatiziranje v gnojilih s kromatografijo - 2. del: Določevanje železovih kelatov z [o,o] EDDHA, [o,o] EDDHMA in HBED ali količine sredstev za kelatiziranje s kromatografijo ionskih parov
Fertilizers - Determination of chelating agents in fertilizers by chromatography - Part 2: Determination of Fe chelated by [o,o] EDDHA, [o,o] EDDHMA and HBED, or the amount of chelating agents, by ion pair chromatography
Osnova: EN 13368-2:2017
ICS: 71.040.50, 65.080

This European Standard specifies a method for the chromatographic determination of the iron chelated by each individual ortho(hydroxy)-ortho(hydroxy) isomer of the chelating agents [o,o] EDDHA, [o,o] EDDHMA and by HBED in fertilizers containing one or more of these substances, except for [o,o] EDDHMA and HBED mixes. The method allows the identification and the determination of the total concentration of water soluble iron chelates of these chelating agents. Also, after derivatization with Fe, the soluble amount of the chelating agents may be determined when other micro-nutrients, beside Fe are present in fertilizers containing [o,o] EDDHA, [o,o] EDDHMA or HBED.
This method is applicable to EC fertilizers covered by Regulation (EC) No 2003/2003 [4]. It is applicable to a mass fraction of the metal chelated of at least 0,625 %.
NOTE 1 The substances EDDHA (ethylenediamine-N,N'-di[(hydroxyphenyl)acetic acid] and EDDHMA (ethylenediamine-N,N'-di[(hydroxymethylphenyl)acetic acid] exist as several different isomeric forms. Positional isomers for the hydroxyl or methyl groups (in ortho, meta, and para positions) as well as stereo isomers (meso and dl-racemic forms) are known. Both meso and dl-racemic forms of the [ortho,ortho] EDDHA and [ortho,ortho] EDDHMA are positional isomers for the hydroxyl groups allowed by the Regulation (EC) No 2003/2003. Since para, meta and ortho

methyl positional isomers of the EDDHMA present quite similar stability, they could be grouped: in the method here described the para, meta and ortho methyl positional isomers of the [o,o] EDDHMA are considered together. HBED (N,N'-bis(2-hydroxybenzyl)-ethylenediamine-N,N'-diacetic acid) does not present isomeric forms.
NOTE 2 At present, analytically pure standards only exist for [ortho,ortho] EDDHA, [ortho,ortho] EDDHMA and HBED. All other substances being unavailable as a standard, the influence of their eventual presence in the samples (with respect to the sensitivity and the selectivity of this method) has not been studied.
NOTE 3 The meso and the dl-racemic forms of [o,o] EDDHA and [o,o] EDDHMA can be determined separately by this method.

SIST EN 14069:2018 SIST EN 14069:2004
2018-01 (po) (en) 26 str. (F)
Sredstva za apnjenje - Opisi, specifikacije in označevanje
Liming materials - Denominations, specifications and labelling
Osnova: EN 14069:2017
ICS: 65.080

This document describes and specifies the basic and premium requirements of products of natural origin and products from industrial processes to be used as liming materials in agriculture for raising the pH of soil (and water).

SIST EN ISO 11508:2018 SIST EN ISO 11508:2014
SIST ISO 11508:2002
2018-01 (po) (en;fr;de) 17 str. (E)
Kakovost tal - Določevanje gostote delcev (ISO 11508:2017)
Soil quality - Determination of particle density (ISO 11508:2017)
Osnova: EN ISO 11508:2017
ICS: 13.080.20

This document specifies two methods for the determination of particle density of soils calculated from the mass and the volume of soil particles.
The first method (4.1) is applicable to fine soil (<2 mm diameter) and the second method (4.2) is applicable to both porous and nonporous gravel and stones (>2 mm diameter).
The particle density can be used for the calculation of the proportion of solids and of the porosity of soil layers in combination with the procedure given in ISO 11272.

SIST/TC KAV Kakovost vode

SIST EN ISO 9696:2018 SIST ISO 9696:2010
2018-01 (po) (en;fr;de) 22 str. (F)
Kakovost vode - Skupna alfa aktivnost - Preskusna metoda robustnega vira (ISO 9696:2017)
Water quality - Gross alpha activity - Test method using thick source (ISO 9696:2017)
Osnova: EN ISO 9696:2017
ICS: 17.240, 13.060.60

This International Standard specifies a method for the determination of gross alpha activity in non-saline waters for alpha-emitting radionuclides which are not volatile at 350 °C. It is possible to determine supported volatile radionuclides measured to an extent determined by half-life, matrix retention (of the volatile species) and the duration of measurement (counting time). The method is applicable to raw and potable waters. The range of application depends on the amount of suspended matter in the water and on the performance characteristics (background count rate and counting efficiency) of the counter.

SIST/TC KAZ Kakovost zraka

SIST EN 13284-1:2018 SIST EN 13284-1:2002
2018-01 (po) (en;fr;de) 63 str. (K)
Emisije nepremičnih virov - Določevanje nizkih masnih koncentracij prahu - 1. del: Ročna gravimetrijska metoda
Stationary source emissions - Determination of low range mass concentration of dust - Part 1: Manual gravimetric method
Osnova: EN 13284-1:2017
ICS: 13.040.40

This European Standard specifies a reference method for the measurement of low dust concentration in ducted gaseous streams in the concentrations below 50 mg/m3 at standard conditions. This European Standard is primarily developed and validated for gaseous streams emitted by waste incinerators. More generally, it may be applied to gases emitted from stationary sources, and to higher concentrations. If the gases contain unstable, reactive or semi-volatile substances, the measurement depends on the sampling and filter treatment conditions. This method has been validated in field tests with special emphasis to dust concentrations around 5 mg/m3. The results of the field tests are presented in Annex A.

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

SIST EN 12791:2016+A1:2018 SIST EN 12791:2016/oprA1:2017
SIST EN 12791:2016
2018-01 (po) (en;fr;de) 31 str. (G)
Kemična razkužila in antiseptiki - Razkužila za roke v kirurgiji - Preskusna metoda in zahteve (faza 2, stopnja 2) (vključuje dopolnilo A1)
Chemical disinfectants and antiseptics - Surgical hand disinfection - Test method and requirements (phase 2, step 2)
Osnova: EN 12791:2016+A1:2017
ICS: 11.080.20

This European Standard specifies a test method simulating practical conditions for establishing whether a product for surgical handrub and handwash reduces the release of resident and eventually present transient microbial flora on hands when used for the treatment of clean hands of volunteers.
This European Standard applies to products for surgical handrub or handwash for use in areas and situations where disinfection is medically indicated. Such indications occur in patient care, for example:
- in hospitals, in community medical facilities and in dental institutions;
- in clinics of schools, of kindergartens and of nursing homes.
and may occur in the workplace and in the home. It may also include services such as laundries and kitchens supplying products directly for the patient.
EN 14885 specifies in detail the relationship of the various tests to one another and to "use recommendations".
NOTE This method corresponds to a phase 2, step 2 test.

SIST-TS CEN/TS 17035:2018
2018-01 (po) (en;fr;de) 15 str. (D)
Površinsko aktivne snovi - Površinsko aktivne snovi na biološki osnovi - Zahteve in preskusne metode
Surface Active Agents - Bio-based surfactants - Requirements and test methods
Osnova: CEN/TS 17035:2017
ICS: 71.100.40, 13.020.55

This Technical Specification sets requirements for bio-based surfactants in terms of properties, limits, application classes and test methods. It lays down the characteristics and details for assessment of bio-based solvents surfactants as to whether they:
- are fit for purpose in terms of performance related properties;
- comply with the requirements regarding the health, safety and environment which apply to general surfactants;
- are derived from a certain minimum percentage of biomass; and
- comply with at least similar sustainability criteria as comparable (regular) surfactants.
The criteria of the Regulation for Environmental Assessment of Chemicals (REACh) [2] are included in the discussions that have lead to this paper.
NOTE prEN 16575 defines the term "bio-based" as derived from biomass and clarifies that "bio-based" does not imply "biodegradable". In addition, "biodegradable" does not necessarily imply the use of "bio-based" material.

SIST/TC KON Konstrukcije

SIST EN 1995-1-1:2005/A102:2018
2018-01 (izv) (sl) 4 str. (SA)
Evrokod 5: Projektiranje lesenih konstrukcij - 1-1. del: Splošna pravila in pravila za stavbe - Nacionalni dodatek
Eurocode 5: Design of timber structures - Part 1-1: General - Common rules and rules for buildings - National Annex
Osnova:
ICS: 91.080.20, 91.010.30

Dopolnilo A102:2018 je dodatek k standardu SIST EN 1995-1-1:2005.
1.1.1 Področje uporabe EN 1995-1-1
(1) EN 1995-1-1 podaja splošna pravila projektiranja za lesene konstrukcije skupaj z dodatnimi pravili projektiranja za stavbe.
(2) EN 1995-1-1 vsebuje naslednja poglavja:
Poglavje 1: Splošno
Poglavje 2: Osnove projektiranja
Poglavje 3: Lastnosti materiala
Poglavje 4: Trajnost
Poglavje 5: Osnove analize konstrukcij
Poglavje 6: Mejna stanja nosilnosti
Poglavje 7: Mejna stanja uporabnosti
Poglavje 8: Zveze s kovinskimi veznimi sredstvi
Poglavje 9: Komponente in sestavi
Poglavje 10: Konstrukcijske zahteve in nadzor
(3)P EN 1995-1-1 ne obsega projektiranja konstrukcij, ki so dolgotrajno izpostavljene temperaturam nad 60 °C.

SIST/TC LLZ Les, lesni izdelki in zaščita lesa

SIST EN 13227:2018

SIST EN 13227:2003
SIST EN 13227:2003/AC:2007

2018-01 (po) (en;fr;de) 32 str. (G)
Lesene talne obloge - Masivni tanki parket
Wood flooring - Solid lamparquet products
Osnova: EN 13227:2017
ICS: 79.080

vThis European Standard specifies the characteristics of solid lamparquet products for internal use as flooring. It applies to elements. This European Standard does not apply to panels made from elements, for which the EN 13810-1 applies.
This European Standard covers products without surface treatment.

SIST EN 14298:2018 SIST EN 14298:2005
2018-01 (po) (en;fr;de) 10 str. (C)
Žagani les - Ocenjevanje kakovosti sušenja
Sawn timber - Assessment of drying quality
Osnova: EN 14298:2017
ICS: 79.040

This European Standard defines a method of assessment of drying quality. It applies to a lot of dried sawn timber (surfaced or not). It applies to both softwood and hardwood with a thickness not greater than 100 mm.
The quality of drying is expressed in terms of target and average moisture content of the lot as well as defining the moisture content variation between individual pieces expressed as allowable upper and lower limits.
An option for specifying the degree of case-hardening is included.
NOTE 1 Other features related to drying, e.g. checking, distortions, stain, etc., are specified in documents for visual grading of sawn timber or in product specifications and are not covered by this document.
NOTE 2 In the following the term "sawn timber" is used for all dried timber covered by this the scope.

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

SIST EN 62056-5-3:2018 SIST EN 62056-5-3:2017
2018-01 (po) (en) 352 str. (Z)
Izmenjava podatkov pri merjenju električne energije - Niz DLMS/COSEM - 5-3. del: Aplikacijska plast DLMS/COSEM
Electricity metering data exchange - The DLMS/COSEM suite - Part 5-3: DLMS/COSEM application layer
Osnova: EN 62056-5-3:2017
ICS: 35.100.70, 17.220.20, 91.140.50

This part of IEC 62056 specifies the DLMS/COSEM application layer in terms of structure, services and protocols for DLMS/COSEM clients and servers, and defines rules to specify the DLMS/COSEM communication profiles.
It defines services for establishing and releasing application associations, and data communication services for accessing the methods and attributes of COSEM interface objects, defined in IEC 62056-6-2 using either logical name (LN) or short name (SN) referencing.
Annex A (normative) defines how to use the COSEM application layer in various communication profiles. It specifies how various communication profiles can be constructed for exchanging data with metering equipment using the COSEM interface model, and what are the necessary elements to specify in each communication profile. The actual, media-specific communication profiles are specified in separate parts of the IEC 62056 series.
Annex B (normative) specifies the SMS short wrapper.
Annex C (normative) specifies the gateway protocol.
Annex D, Annex E and Annex F (informative) include encoding examples for APDUs.
Annex G (normative) provides NSA Suite B elliptic curves and domain parameters.
Annex H (informative) provides an example of an End entity signature certificate using P-256 signed with P-256.
Annex I (normative) specifies the use of key agreement schemes in DLMS/COSEM.

Annex J (informative) provides examples of exchanging protected xDLMS APDUs between a third party and a server.
Annex K (informative) lists the main technical changes in this edition of the standard.

SIST EN 62056-8-5:2018 SIST-TS CLC/TS 52056-8-5:2015
2018-01 (po) (en) 35 str. (H)
Izmenjava podatkov pri merjenju električne energije - Niz DLMS/COSEM - 8-5. del: Ozkopasovni OFDM G3-PLC komunikacijski profil za sosednje mreže
Electricity metering data exchange - The DLMS/COSEM suite - Part 8-5: Narrow-band OFDM G3-PLC communication profile for neighbourhood networks
Osnova: **EN 62056-8-5:2017**
ICS: **17.220.20, 91.140.50, 35.240.50**

This part of IEC 62056 specifies the IEC 62056 DLMS/COSEM communication profile for metering purposes based on the Recommendations ITU-T G.9901: *Narrowband orthogonal frequency division multiplexing power line communication transceivers – Power spectral density specification* and ITU-T G.9903:2014, *Narrowband orthogonal frequency division multiplexing power line communication transceivers for G3-PLC networks*, an Orthogonal Frequency Division Multiplexing (OFDM) Power Line Communications (PLC) protocol. The physical layer provides a modulation technique that efficiently utilizes the allowed bandwidth within the CENELEC A (3 kHz – 95 kHz), CENELEC B (95 kHz – 125 kHz), ARIB (10 kHz – 450 kHz) and FCC (no specific frequency band limitations) bands, thereby allowing the use of advanced channel coding techniques. This enables a robust communication in the presence of narrowband interference, impulsive noise, and frequency selective attenuation.
The medium access control (MAC) layer allows the transmission of MAC frames through the use of the power line physical channel. It provides data services, frame validation control, node association and secure services. The 6LoWPAN adaptation sublayer enables an efficient interaction between the MAC and the IPv6 network layer. The use of the IPv6 network protocol – the latest generation of IP protocols – opens a wide range of potential applications and services for metering purposes (but the applications are not limited to metering).
The transport layer, the application layer and the data model are as specified in the IEC 62056 DLMS/COSEM suite.
The scope of this communication profile standard is restricted to aspects concerning the use of communication protocols in conjunction with the COSEM data model and the DLMS/COSEM application layer. Data structures specific to a communication protocol are out of the scope of this communication profile standard.
NOTE They are specified in the specific protocol standards.
Any project specific definitions of data structures and data contents may be provided in project specific companion specifications.

SIST/TC MOC Mobilne komunikacije

SIST EN 300 338-1 V1.4.2:2018
2018-01 (po) (en) 42 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 V1.4.2 (2017-11)**
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 M.493-14 [2], M.541-10 [3], M.689-3 [4] and M.1082-1 [5], 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 300 797 V1.3.1:2018
2018-01 (po) (en) 147 str. (P)
Digitalna zvokovna radiodifuzija (DAB) - Vmesniki za razpošiljanje - Vmesnik za prenos storitev (STI)
Digital Audio Broadcasting (DAB) - Distribution interfaces - Service Transport Interface (STI)
Osnova: ETSI EN 300 797 V1.3.1 (2017-11)
ICS: 33.170

The present document establishes a standard method for transporting Service components (audio and data) produced by Service providers at their own studios to the DAB multiplexing equipment located at the Ensemble provider's centre.
The present document is applicable to Collection Networks used in a DAB System. It describes the characteristics of a signal suitable for transporting Service Components, Service Information and control data between a Service provider and an Ensemble provider. The interface is suitable for use on a number of different physical media and telecommunication networks. Provision is made for the inclusion of appropriate error detection and correction and for the management of network transit delay.

This version of the present document has been aligned to V2.1.1 of ETSI EN 300 401 [1], by adding control for User Application information.

SIST EN 301 843-1 V2.2.1:2018
2018-01 (po) (en) 35 str. (H)
Standard elektromagnetne združljivosti (EMC) za pomorsko radijsko opremo in storitve - Harmonizirani standard za elektromagnetno združljivost - 1. del: Splošne tehnične zahteve
ElectroMagnetic Compatibility (EMC) standard for marine radio equipment and services - Harmonised Standard for electromagnetic compatibility - Part 1: Common technical requirements
Osnova: ETSI EN 301 843-1 V2.2.1 (2017-11)
ICS: 47.020.70, 33.100.01, 33.060.20

The present document contains the common requirements for marine radio communications equipment and associated ancillary equipment, in respect of ElectroMagnetic Compatibility (EMC).
The provisions of the present document apply to marine radio equipment not covered in the scope of the Council Directive on marine equipment (the "Marine Equipment Directive" 96/98/EC [i.5]).
Product dependent arrangements necessary to perform the EMC tests on dedicated types of marine radio communications equipment, and the assessment of test results, are detailed in the appropriate product related parts of the present document.
The present document, together with the product related part, specifies the applicable EMC tests, the methods of measurement, the limits and the performance criteria for marine radio equipment and associated ancillary equipment.
In case of differences (for instance concerning special conditions, definitions, abbreviation) between the present document and the relevant product related part of the present document, the product related part takes precedence.
For the further content of the present document, the expression "radio equipment" is taken to mean marine radio communications equipment, in each individual case.
Technical specifications related to the antenna port of radio equipment and 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 is maritime, as defined in IEC EN 60945 [1].
Marine radio communications equipment meeting the EMC requirements set out in IEC EN 60945 [1] is deemed to meet also the EMC requirements for the residential, commercial and light industrial environment as defined in IEC EN 61000-6-3 [i.1] and IEC EN 61000-6-1 [i.2].
The EMC requirements have been selected to ensure an adequate level of compatibility for apparatus intended to be used in the maritime environment. The levels, however, do not cover extreme cases which may occur in any location but with low probability of occurrence.
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.
NOTE: The relationship between the present document and essential requirements of article 3.1b of Directive 2014/53/EU [i.4] is given in annex A.
In addition to the present document, other ENs that specify technical requirements in respect of essential requirements under other parts of article 3 of the Radio Equipment Directive [i.4] may apply to equipment within the scope of the present document.

SIST EN 301 843-2 V2.2.1:2018
2018-01 (po) (en) 18 str. (E)
Standard elektromagnetne združljivosti (EMC) za pomorsko radijsko opremo in storitve - Harmonizirani standard za elektromagnetno združljivost - 2. del: Posebni pogoji za radiotelefonske VHF oddajnike in sprejemnike
ElectroMagnetic Compatibility (EMC) standard for marine radio equipment and services - Harmonised Standard for electromagnetic compatibility - Part 2: Specific conditions for VHF radiotelephone transmitters and receivers
Osnova: ETSI EN 301 843-2 V2.2.1 (2017-11)
ICS: 47.020.70, 33.100.01, 33.060.20

The present document together with ETSI EN 301 843-1 [1], covers the assessment of VHF radiotelephone transmitters and receivers for the maritime mobile service, and ancillary equipment in respect of ElectroMagnetic Compatibility (EMC).
Technical specifications related to the antenna port and emissions from the enclosure port of marine radiotelephone transmitters and receivers are not included in the present document. Such technical specifications are found in the related product standards for the effective use of the radio spectrum.
The present document specifies the applicable test conditions, performance assessment, and performance criteria for VHF radiotelephone transmitters and receivers for the maritime mobile service, and the associated ancillary equipment.
Examples of types of radiotelephone transmitters and receivers for the maritime mobile service 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 301 843-1 [1], the provisions of the present document take precedence.
The electromagnetic environment used in the present document to develop the technical specifications encompasses the electromagnetic environment on-board ships as identified in IEC EN 60945 [i.5].
NOTE: The relationship between the present document and essential requirements of article 3.1b of Directive 2014/53/EU [i.2] is given in annex A.

SIST EN 301 843-4 V2.2.1:2018
2018-01 (po) (en) 16 str. (D)
Standard elektromagnetne združljivosti (EMC) za pomorsko radijsko opremo in storitve - Harmonizirani standard za elektromagnetno združljivost - 4. del: Posebni pogoji za sprejemnike ozkopasovne telegrafije z neposrednim tiskanjem (NBDP) NAVTEX
ElectroMagnetic Compatibility (EMC) standard for marine radio equipment and services - Harmonised Standard for electromagnetic compatibility - Part 4: Specific conditions for Narrow-Band Direct-Printing (NBDP) NAVTEX receivers
Osnova: ETSI EN 301 843-4 V2.2.1 (2017-11)
ICS: 47.020.70, 33.100.01, 33.060.20

The present document together with ETSI EN 301 843-1 [1] covers the assessment of Narrow-Band Direct-Printing (NBDP) NAVTEX receivers operating in the maritime mobile service, and ancillary equipment in respect of ElectroMagnetic Compatibility (EMC).
Technical specifications related to the antenna port and emissions from the enclosure port of NAVTEX receivers are not included in the present document. Such technical specifications are found in the related product standard ETSI EN 300 065 [i.2] for the effective use of the radio spectrum.
The present document specifies the applicable test conditions, performance assessment and performance criteria for NAVTEX receivers operating in the maritime mobile service and the associated ancillary equipment.
In case of differences (for instance concerning special conditions, definitions, abbreviations) between the present document and ETSI EN 301 843-1 [1], the provisions of the present document take precedence.

The electromagnetic environment used in the present document to develop the technical specifications encompasses the electromagnetic environment on-board ships as identified in IEC EN 60945 [i.3].
NOTE: The relationship between the present document and essential requirements of article 3.1b of Directive 2014/53/EU [i.1] is given in annex A.

SIST EN 301 843-5 V2.2.1:2018
2018-01 (po) (en) 18 str. (E)
Standard elektromagnetne združljivosti (EMC) za pomorsko radijsko opremo in storitve - Harmonizirani standard za elektromagnetno združljivost - 5. del: Posebni pogoji za srednjefrekvenčne in visokofrekvenčne (MF/HF) radiotelefonske oddajnike in sprejemnike
ElectroMagnetic Compatibility (EMC) standard for marine radio equipment and services - Harmonised Standard for electromagnetic compatibility - Part 5: Specific conditions for MF/HF radiotelephone transmitters and receivers
Osnova: ETSI EN 301 843-5 V2.2.1 (2017-11)
ICS: 47.020.70, 33.100.01, 33.060.20

The present document together with ETSI EN 301 843-1 [1], covers the assessment of MF/HF radiotelephone transmitters and receivers for the maritime mobile service, and ancillary equipment in respect of ElectroMagnetic Compatibility (EMC).
Technical specifications related to the antenna port and emissions from the enclosure port of marine radiotelephone transmitters and receivers are not included in the present document. Such technical specifications are found in the related product standards for the effective use of the radio spectrum.
The present document specifies the applicable test conditions, performance assessment, and performance criteria for radiotelephone transmitters and receivers for the maritime mobile service and the associated ancillary equipment.
Examples of types of MF/HF radiotelephone transmitters and receivers for the maritime mobile service 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 301 843-1 [1], the provisions of the present document take precedence.
The electromagnetic environment used in the present document to develop the technical specifications encompasses the electromagnetic environment on-board ships as identified in IEC EN 60945 [i.3].
NOTE: The relationship between the present document and essential requirements of article 3.1b of Directive 2014/53/EU [i.1] is given in annex A.

SIST EN 301 843-6 V2.2.1:2018
2018-01 (po) (en) 21 str. (F)
Standard elektromagnetne združljivosti (EMC) za pomorsko radijsko opremo in storitve - Harmonizirani standard za elektromagnetno združljivost - 6. del: Posebni pogoji za zemeljske postaje na ladjah, delujoče v frekvenčnih pasovih nad 3 GHz
ElectroMagnetic Compatibility (EMC) standard for marine radio equipment and services - Harmonised Standard for electromagnetic compatibility - Part 6: Specific conditions for Earth Stations on board Vessels operating in frequency bands above 3 GHz
Osnova: ETSI EN 301 843-6 V2.2.1 (2017-11)
ICS: 47.020.70, 33.100.01, 33.060.20

The present document together with ETSI EN 301 843-1 [1], covers the assessment of Earth Stations on board Vessels (ESVs) transmitting above 3 GHz in the Fixed Satellite Service (FSS) as defined in annex A and ancillary equipment in respect of ElectroMagnetic Compatibility (EMC).
Technical specifications related to the antenna port and emissions from the enclosure port of Earth Stations on board Vessels are not included in the present document. Such technical specifications are found in the related product standards for the effective use of the radio spectrum.

The present document specifies the applicable test conditions, performance assessment, and performance criteria for Earth Stations on board Vessels and the associated ancillary equipment.
In case of differences (for instance concerning special conditions, definitions, abbreviations) between the present document and ETSI EN 301 843-1 [1], the provisions of the present document take precedence. The electromagnetic environment used in the present document to develop the technical specifications encompasses the electromagnetic environment on board ships as identified in IEC EN 60945 [i.2].
NOTE: The relationship between the present document and essential requirements of article 3.1b of Directive 2014/53/EU [i.1] is given in annex A.

SIST EN 301 843-7 V1.1.1:2018
2018-01 (po) (en) 14 str. (D)
Standard elektromagnetne združljivosti (EMC) za pomorsko radijsko opremo in storitve - Harmonizirani standard za elektromagnetno združljivost - 7. del: Posebni pogoji za pomorsko širokopasovno radijsko opremo
ElectroMagnetic Compatibility (EMC) standard for marine radio equipment and services - Harmonised Standard for electromagnetic compatibility - Part 7: Specific conditions for Maritime Broadband Radiolink equipment
Osnova: ETSI EN 301 843-7 V1.1.1 (2017-11)
ICS: 47.020.70, 33.100.01, 33.060.20

The present document together with ETSI EN 301 843-1 [1], covers the assessment of Maritime Broadband Radiolink equipment (MBR) for the maritime mobile service, and ancillary equipment in respect of ElectroMagnetic Compatibility (EMC).
Technical specifications related to the antenna port and emissions from the enclosure port of MBR are not included in the present document. Such technical specifications are found in the related product standards for the effective use of the radio spectrum.
The present document specifies the applicable test conditions, performance assessment, and performance criteria for MBR equipment for the maritime mobile service, and the associated ancillary equipment.
In case of differences (for instance concerning special conditions, definitions, abbreviations) between the present document and ETSI EN 301 843-1 [1], the provisions of the present document take precedence.
The electromagnetic environment used in the present document to develop the technical specifications encompasses the electromagnetic environment on board ships as identified in IEC EN 60945 [i.1].
NOTE: The relationship between the present document and essential requirements of article 3.1b of Directive 2014/53/EU [i.2] is given in annex A.

SIST EN 301 925 V1.5.1:2018
2018-01 (po) (en) 60 str. (J)
Radiotelefonski oddajniki in sprejemniki za pomorske mobilne storitve, ki delujejo v pasovih VHF - Tehnične karakteristike in merilne metode
Radiotelephone transmitters and receivers for the maritime mobile service operating in VHF bands - Technical characteristics and methods of measurement
Osnova: ETSI EN 301 925 V1.5.1 (2017-10)
ICS: 47.020.70, 33.060.20

The present document specifies the minimum requirements for shipborne radio transmitters and receivers for fixed installations operating in the VHF frequency bands between 156 MHz and 174 MHz used by the maritime mobile service, using both 25 kHz and 12,5 kHz channels and capable of Radiotelephony and Digital Selective Calling communications within the Global Maritime Distress and Safety System. The present document incorporates the requirements of the relevant resolutions of the International Maritime Organization (IMO) and is primarily intended to specify equipment suitable for fitting to ships subject to the SOLAS Convention [i.2] and complying with

the Council Directive 2014/90/EU [i.3] of 23 July 2014 on marine equipment (the European Marine Equipment Directive).
The present document does not address the testing of ancillary equipment on a stand-alone basis, i.e. separately from the radio equipment with which it is to be used.

SIST EN 302 617 V2.2.1:2018
2018-01 (po) (en) 38 str. (H)
Talni UHF radijski oddajniki, sprejemniki in sprejemniki-oddajniki za UHF aeronavtično mobilno storitev, ki uporablja amplitudno modulacijo - Harmonizirani standard, ki zajema bistvene zahteve člena 3.2 direktive 2014/53/EU
Ground-based UHF radio transmitters, receivers and transceivers for the UHF aeronautical mobile service using amplitude modulation - Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU
Osnova: ETSI EN 302 617 V2.2.1 (2017-11)
ICS: 49.090, 33.060.20

The present document specifies technical characteristics and methods of measurements for DSB AM ground based transmitters, receivers and transceivers operating in all or any part of the aeronautical frequency band between 225 MHz and 399,975 MHz.
The present document covers the essential requirements of article 3.2 of Directive 2014/53/EU [i.1] under the conditions identified in annex A.
In addition to the present document, other ENs that specify technical requirements in respect of essential requirements under other parts of article 3 of the Directive 2014/53/EU [i.1] as well as essential requirements under the Single European Sky (SES) Interoperability Regulation No 552/2004 [i.3] and related implementing rules and/or essential requirements under the EASA basic Regulation No 216/2008 [i.5] as amended by Regulation No 1108/2009 [i.6] may apply to equipment within the scope of the present document.

SIST EN 303 276 V1.1.1:2018
2018-01 (po) (en) 26 str. (F)
Pomorske širokopasovne radijske povezave, ki delujejo v pasovih od 5852 MHz do 5872 MHz in/ali od 5880 MHz do 5900 MHz, za ladje in priobalne objekte pri usklajevanju dejavnosti - Harmonizirani standard, ki zajema bistvene zahteve člena 3.2 direktive 2014/53/EU
Maritime Broadband Radiolink operating within the bands 5 852 MHz to 5 872 MHz and/or 5 880 MHz to 5 900 MHz for ships and off-shore installations engaged in coordinated activities - Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU
Osnova: ETSI EN 303 276 V1.1.1 (2017-11)
ICS: 33.060.99, 47.020.70

To develope a harmonised standard for systems and equipment described in ETSI TR 103 109 taking into account the outcome of the sharing studies performed within CEPT. It can be foressen that the required MBR antenna directivity and related pointing adjustments (e.g. to offset the movements of a ship) both in azimut and elevation are special technical requirements that, inter-alia other requirements - may need to be describes in a harmonised European standard.

SIST EN 60793-1-33:2018 SIST EN 60793-1-33:2004
2018-01 (po) (en) 43 str. (I)
Optična vlakna - 1-33. del: Metode merjenja in preskusni postopki - Dovzetnost za napetostno korozijo (IEC 60793-1-33:2017)
Optical fibres - Part 1-33: Measurement methods and test procedures - Stress corrosion susceptibility (IEC 60793-1-33:2017)
Osnova: EN 60793-1-33:2017
ICS: 33.180.10

This part of IEC 60793 contains descriptions of the five main test methods for the determination of stress corrosion susceptibility parameters.
The object of this document is to establish uniform requirements for the mechanical characteristic of stress corrosion susceptibility for silica-based fibres. Dynamic fatigue and static fatigue tests are used to determine the (dynamic) *n*d value and (static) *ns* value of stress corrosion susceptibility parameters. Currently, only the *n*d-value is assessed against specification. Measured values greater than 18 per this procedure reflect the *n*d-value of silica, which is approximately 20. Higher values will not translate to demonstrable enhanced fatigue resistance.
Silica fibre mechanical tests determine the fracture stress and fatigue properties under conditions that model the practical applications as closely as possible. The following test methods are used for determining stress corrosion susceptibility:
– A: Dynamic *n*d value by axial tension;
– B: Dynamic *n*d value by two-point bending;
– C: Static *n*s value by axial tension;
– D: Static *n*s value by two-point bending;
– E: Static *n*s value by uniform bending.
These methods are appropriate for category A1, A2 and A3 multimode, class B single-mode fibres and class C intraconnecting single-mode fibres.
These tests provide values of the stress corrosion parameter, *n*, that can be used for reliability calculations according to IEC TR 62048 [18]1.
Information common to all methods is contained in Clauses 1 to 10, and information pertaining to each individual test method appears in Annexes A, B, C, D, and E.
Annexes F and G offer considerations for dynamic and static stress corrosion susceptibility parameter calculations, respectively; Annex H offers considerations on the different stress corrosion susceptibility parameter test methods.

SIST EN 60793-2-10:2018 SIST EN 60793-2-10:2016
2018-01 (po) (en;fr;de) 49 str. (I)
Optična vlakna - 2-10. del: Specifikacije izdelka - Področna specifikacija za večrodna vlakna kategorije A1 (IEC 60793-2-10:2017)
Optical fibres - Part 2-10: Product specifications - Sectional specification for category A1 multimode fibres (IEC 60793-2-10:2017)
Osnova: EN 60793-2-10:2017
ICS: 33.180.10

This part of IEC 60793 is applicable to optical fibre sub-categories A1a, A1b, and A1d. These fibres are used or can be incorporated in information transmission equipment and optical fibre cables.
Sub-category A1a applies to 50/125 μm graded index fibre. Four bandwidth grades are defined as models A1a.1, A1a.2, A1a.3 and A1a.4. Each of these bandwidth grades is defined for two levels of macrobend loss performance that are distinguished by "a" or "b" suffix. Those models with suffix "a" are specified to meet traditional macrobend loss performance levels. Those models with suffix "b" are specified to meet enhanced macrobend loss (i.e. lower loss) performance levels. Model A1a.4 supports single wavelength or multi-wavelength transmission systems in the vicinity of 850 nm to 950 nm.
Sub-category A1b applies to 62,5/125 μm graded index fibre and sub-category A1d applies to 100/140 μm graded index fibre.
Other applications include, but are not restricted to, the following: short reach, high bit-rate systems in telephony, distribution and local networks carrying data, voice and/or video services; on-premises intra-building and inter-building fibre installations including data centres, local area networks (LANs), storage area networks (SANs), private branch exchanges (PBXs), video, various multiplexing uses, outside telephone cable plant use, and miscellaneous related uses.
Three types of requirements apply to these fibres:
• general requirements, as defined in IEC 60793-2;
• specific requirements common to the category A1 multimode fibres covered in this document and which are given in Clause 5;
• particular requirements applicable to individual fibre sub-categories and models, or specific applications, which are defined in the normative specification annexes.

SIST EN 60794-2:2018 SIST EN 60794-2:2004
2018-01 (po) (en) 17 str. (E)
Optični kabli - 2. del: Notranji optični kabli - Področna specifikacija (IEC 60794-2:2017)
Optical fibre cables - Part 2: Indoor optical fibre cables - Sectional specification (IEC 60794-2:2017)
Osnova: EN 60794-2:2017
ICS: 33.180.10

This part of IEC 60794 is a sectional specification. It gives the requirements that apply to optical fibre cables for indoor use in communications networks. Other types of applications requiring similar types of cables can be considered.

SIST EN 61169-59:2018
2018-01 (po) (en) 35 str. (H)
Radiofrekvenčni konektorji - 59. del: Področna specifikacija za navojne večpolne radiofrekvenčne konektorje vrste L32-4 in L32-5 (IEC 61169-59:2017)
Radio-frequency connectors - Part 59: Sectional specification for type L32-4 and L32-5 threaded muti-pin radio-frequency connectors (IEC 61169-59:2017)
Osnova: EN 61169-59:2017
ICS: 33.120.30

This part of IEC 61169, which is a sectional specification (SS), provides information and rules for the preparation of detail specifications (DS) for type L32-4 and L32-5 threaded multi-pin radio frequency connectors with anti mismating mechanism, 50 Ω nominal impedance. The operating frequency of each channel is up to 4 GHz. These connectors have been widely used in mobile communication system like TD-SCDMA and TD-LTE, and can also be used in some similar equipment.
It also prescribes mating face dimensions for general connectors-grade 2, gauging information and tests selected from IEC 61169-1, applicable to all detail specifications relating to type L32-4 and L32-5 multi-pin connectors.
This sectional specification provides information and rules for the preparation of detail specifications for type L32-4 and L32-5 multi-pin connectors together with the pro forma blank detail specification.
This specification indicates the recommended performance characteristics to be considered when writing a detail specification and it covers test schedules and inspection requirements for assessment levels M and H.
NOTE Metric dimension are original dimensions.
All undimensioned pictorial configurations are for reference purpose only.

SIST EN 61745:2018
2018-01 (po) (en) 43 str. (I)
Postopek analize čelne slike za umerjanje pribora za preskušanje geometrije optičnih vlaken (IEC 61745:2017)
End-face image analysis procedure for the calibration of optical fibre geometry test sets (IEC 61745:2017)
Osnova: EN 61745:2017
ICS: 33.180.10

This document describes the calibration of test sets that perform end-face image analysis, also known as "near-field" or "grey-scale" analysis. The principles, however, can be applied to test sets of a different type.
The procedures outlined are performed by calibration laboratories and by the manufacturers or users of geometry test sets, for the purpose of calibrating geometry test sets and for evaluating the uncertainties in measurements made on calibrated test sets. The calibration of fibre coating or cable measurement test sets is not covered by this document.

SIST EN 61753-121-2:2018 SIST EN 61753-121-2:2010
2018-01 (po) (en) 22 str. (F)
Optični spojni elementi in pasivne komponente - Tehnični standardi - 121-2. del: Simpleksne in dupleksne vrvice z enorodnim optičnim vlaknom ter cilindričnimi tulčastimi konektorji za kategorijo C - Nadzorovano okolje (IEC 61753-121-2:2017)
Fibre optic interconnecting devices and passive components - Performance standards - Part 121-2: Simplex and duplex cords with singlemode fibre and cylindrical ferrule connectors for category C - Controlled environment (IEC 61753-121-2:2017)
Osnova: **EN 61753-121-2:2017**
ICS: **33.180.20**

IEC 61753-121-2:2010(E) specifies the test requirements for finished cable assemblies for use as patchcords, work area cords and equipment cords for applications in a controlled (C) environment according to IEC 61753-1, where the connectors already comply, with the Category C requirements of IEC 61753-1. The assemblies consist of simplex or duplex fibre optic cable terminated at each end of the cable with non-angled (PC) or angled (APC) polished single-mode fibre optic connectors with cylindrical ferrules. The wavelength of operation is between 1 260 nm and 1 625 nm.

SIST EN 62343:2018 SIST EN 62343:2013
2018-01 (po) (en) 27 str. (G)
Dinamični moduli - Splošno in navodilo (IEC 62343:2017)
Dynamic modules - General and guidance (IEC 62343:2017)
Osnova: **EN 62343:2017**
ICS: **33.180.01**

IEC 62343 applies to all commercially available optical dynamic modules and devices. It describes the products covered by the IEC 62343 series, defines terminology, fundamental considerations and basic approaches.
The object of this document is to
• establish uniform requirements for operation, reliability and environmental properties of dynamic modules (DMs) to be implemented in the appropriate DM standard, and
• provide assistance to the purchaser in the selection of consistently high-quality DM products for his particular applications, as well as in the consultation of the appropriate specific DM standard(s).
This document covers performance templates, performance standards, reliability qualification requirements, hardware and software interfaces and related testing methods.
Since a dynamic module integrates an optical module/device, printed wiring board, and software/firmware, the standards developed in the series will mimic appropriate existing standards. On the other hand, since "dynamic module" is a relatively new product category, the dynamic module standards series will not be bounded by the existing practices where requirements differ.
The safety standards as related to dynamic modules are mostly optical power considerations, which is covered by IEC TC 76: Optical radiation safety and laser equipment.

SIST/TC OVP Osebna varovalna oprema

SIST EN 13277-8:2018
2018-01 (po) (en;fr;de) 16 str. (D)
Varovalna oprema za borilne športe - 8. del: Dodatne zahteve in preskusne metode za ščitnike obraza pri karateju
Protective equipment for martial arts - Part 8: Additional requirements and test methods for karate face protectors
Osnova: **EN 13277-8:2017**
ICS: **97.220.30, 13.340.20**

This European standard specifies additional test methods and requirements for face protectors, used in the practice of karate.
This European Standard is not applicable for other sports equipment and protectors except face protectors for karate because the test methods and requirements are very specific for karate face protectors and do not meet the characteristics of face protectors for other sports.

SIST EN 342:2018 SIST EN 342:2004
SIST EN 342:2004/AC:2008
2018-01 (po) (en;fr;de) 25 str. (F)
Varovalna obleka - Oblačila in kompleti za zaščito pred mrazom
Protective clothing - Ensembles and garments for protection against cold
Osnova: EN 342:2017
ICS: 13.340.10

This document specifies requirements and test methods for the performance of clothing ensembles (i. e. two piece suits or coveralls) and of single garments for protection against the effects of cold environments (see Annex B). These effects comprise not only low air temperatures but also humidity and velocity of the air. Water penetration is not considered in this standard, but water can strongly affect the insulation of a garment. In the cases where influence of water can be expected, the garments should be assessed by EN 343.
The protective effects and requirements of footwear, gloves and separate head wear are excluded from the scope of this standard. For these effects the specific product standards apply.

SIST/TC PCV Polimerne cevi, fitingi in ventili

SIST EN 1451-1:2018 SIST EN 1451-1:1999
2018-01 (po) (en;fr;de) 51 str. (J)
Cevni sistemi iz polimernih materialov za nizko- in visokotemperaturne odvodne sisteme v zgradbah - Polipropilen (PP) - 1. del: Specifikacije za cevi, fitinge in sistem
Plastics piping systems for soil and waste discharge (low and high temperature) within the building structure - Polypropylene (PP) - Part 1: Specifications for pipes, fittings and the system
Osnova: EN 1451-1:2017
ICS: 23.040.20, 91.140.80

This part of EN 1451 specifies the requirements for solid-wall polypropylene (PP) pipes, fittings and the system intended for:
- soil and waste discharge applications (low and high temperature) inside buildings (application area code "B");
- soil and waste discharge applications (low and high temperature) for both inside buildings and buried in the ground within the building structure (application area code "BD").
This part of EN 1451 is also applicable to PP pipes and fittings and the system intended for the following purposes:
- ventilating part of the pipework in association with discharge applications;
- rainwater pipework within the building structure.
It also specifies the test parameters for the test methods referred to in this standard.
This standard covers a range of nominal sizes, a range of pipes and fittings series and gives recommendations concerning colours.
It applies to pipes and fittings, marked with "B", which are intended to be used inside buildings and outside buildings fixed onto the wall.
This standard is applicable to PP pipes and fittings of the following types:
- plain-ended;
- with integral elastomeric ring seal socket;
- for butt fusion joints.
whereby the fittings can be manufactured by injection-moulding or be fabricated from pipes and/or mouldings.

SIST EN ISO 11173:2018 SIST EN 1411:1997
2018-01 (po) (en) 11 str. (C)
Plastomerne cevi - Določanje odpornosti proti zunanjim udarcem - Metoda stopnjevanja (ISO 11173:1994)
Thermoplastics pipes - Determination of resistance to external blows - Staircase method (ISO 11173:1994)
Osnova: EN ISO 11173:2017
ICS: 23.040.20

Specifies a method for determining the resistance to external blows of thermoplastic pipes of circular cross-section (staircase method). Applicable to isolated batches of pipe to be tested at 0 °C.

SIST EN ISO 13254:2018 SIST EN 1053:1997
2018-01 (po) (en) 9 str. (C)
Plastomerni cevni sistemi, ki delujejo po težnostnem principu - Metoda za preskus vodotesnosti (ISO 13254:2010)
Thermoplastics piping systems for non-pressure applications - Test method for watertightness (ISO 13254:2010)
Osnova: EN ISO 13254:2017
ICS: 23.040.20

ISO 13254:2010 specifies a test method for watertightness of thermoplastics products fabricated from more than one piece for non-pressure applications, and joints of thermoplastics piping systems for non-pressure applications.

SIST EN ISO 13255:2018 SIST EN 1054:1997
2018-01 (po) (en) 10 str. (C)
Plastomerni cevni sistemi za odpadno vodo in kanalizacijo v stavbah - Metoda za preskus zrakotesnosti spojev (ISO 13255:2010)
Thermoplastics piping systems for soil and waste discharge inside buildings - Test method for airtightness of joints (ISO 13255:2010)
Osnova: EN ISO 13255:2017
ICS: 91.140.80, 23.040.20

ISO 13255:2010 specifies a method for testing the airtightness of joints of thermoplastics piping systems for soil and waste discharge inside buildings.

SIST EN ISO 13257:2018 SIST EN 1055:1997
2018-01 (po) (en) 13 str. (D)
Plastomerni cevni sistemi, ki delujejo po težnostnem principu - Metoda za preskus odpornosti proti zvišani temperaturi (ISO 13257:2010)
Thermoplastics piping systems for non-pressure applications - Test method for resistance to elevated temperature cycling (ISO 13257:2010)
Osnova: EN ISO 13257:2017
ICS: 23.040.20

ISO 13257:2010 specifies a method for testing the resistance of thermoplastics piping systems for soil and waste discharge inside buildings, application area "B", or buried in the ground within the building structure, application areas "BD" or "UD", to 1 500 cycles of elevated temperature cycling.

SIST EN ISO 13262:2018 SIST EN 1979:2000
2018-01 (po) (en) 9 str. (C)
Plastomerni cevni sistemi za odpadno vodo in kanalizacijo, položeni v zemljo, ki delujejo po težnostnem principu - Plastomerne cevi s spiralno strukturirano steno cevi - Ugotavljanje nateznih trdnosti spojev (ISO 13262:2010)
Thermoplastics piping systems for non-pressure underground drainage and sewerage - Thermoplastics spirally-formed structured-wall pipes - Determination of the tensile strength of a seam (ISO 13262:2010)
Osnova: **EN ISO 13262:2017**
ICS: **93.030, 91.140.80, 23.040.20**

ISO 13262:2010 specifies a method for determining the tensile strength of a seam in a spirally-formed thermoplastics pipe. It is applicable to all such thermoplastics pipes, regardless of their intended use

SIST EN ISO 13263:2018 SIST EN 12061:2000
2018-01 (po) (en) 9 str. (C)
Plastomerni cevni sistemi za odpadno vodo in kanalizacijo, položeni v zemljo, ki delujejo po težnostnem principu - Plastomerni fitingi - Preskusna metoda za udarno trdnost (ISO 13263:2010)
Thermoplastics piping systems for non-pressure underground drainage and sewerage - Thermoplastics fittings - Test method for impact strength (ISO 13263:2010)
Osnova: **EN ISO 13263:2017**
ICS: **93.030, 91.140.80, 23.040.45**

ISO 13263:2010 specifies a method for testing the impact resistance of fittings by dropping them on to a rigid surface. For a fitting with seal-retaining components, such as seal-retaining caps or rings, the method includes assessment of the watertightness of the fittings when the fixing elements show disturbance as a result of the test.
It is applicable to fittings made from thermoplastics materials intended to be used for buried and above-ground applications.

SIST EN ISO 13264:2018 SIST EN 12256:1999
2018-01 (po) (en) 12 str. (C)
Plastomerni cevni sistemi za odpadno vodo in kanalizacijo, položeni v zemljo, ki delujejo po težnostnem principu - Plastomerni fitingi - Preskusna metoda za mehansko trdnost ali fleksibilnost fabriciranih fitingov (ISO 13264:2010)
Thermoplastics piping systems for non-pressure underground drainage and sewerage - Thermoplastics fittings - Test method for mechanical strength or flexibility of fabricated fittings (ISO 13264:2010)
Osnova: **EN ISO 13264:2017**
ICS: **93.030, 91.140.80, 23.040.45**

ISO 13264:2010 specifies a method for testing the mechanical strength or flexibility of a fabricated thermoplastic fitting intended to be used in non-pressure underground applications.

SIST EN ISO 2507-1:2018 SIST EN 727:1997
2018-01 (po) (en) 10 str. (C)
Plastomerne cevi in fitingi - Temperatura zmehčišča po Vicatu - 1. del: Splošna preskusna metoda (ISO 2507-1:1995)
Thermoplastics pipes and fittings - Vicat softening temperature - Part 1: General test method (ISO 2507-1:1995)
Osnova: **EN ISO 2507-1:2017**
ICS: **23.040.45, 23.040.20**

The method specified is based on determining the temperature at which a standard indenter, under a force of 50 N ± 1 N, penetrates 1 mm into the surface of a test piece cut from the wall of a pipe or fitting while the temperature is raised at a constant rate. Is applicable only to thermoplastics materials for which it is possible to measure the temperature at which the rate of softening becomes rapid. Is based on ISO 306:1994 which, however, applies to materials in the form of sheets.

SIST EN ISO 2507-2:2018 SIST EN 727:1997
2018-01 (po) (en) 10 str. (C)
Plastomerne cevi in fitingi - Temperatura zmehčišča po Vicatu - 2. del: Preskusni pogoji za cevi in fitinge iz nemehčanega polivinilklorida (PVC-U) ali kloriranega polivinilklorida (PVC-C) ter za cevi iz visoko na udar odpornega polivinilklorida (PVC-HI) (ISO 2507-2:1995)
Thermoplastics pipes and fittings - Vicat softening temperature - Part 2: Test conditions for unplasticized poly(vinyl chloride) (PVC-U) or chlorinated poly(vinyl chloride) (PVC-C) pipes and fittings and for high impact resistance poly (vinyl chloride) (PVC-HI) pipes (ISO 2507-2:1995)
Osnova: EN ISO 2507-2:2017
ICS: 23.040.45, 23.040.20

Specifies the particular test conditions for determining the Vicat softening temperature of PVC-U and PVC-C pipes and fittings as well as PVC-HI pipes (the general test method is given in ISO 2507-1). Also gives, for information, the corresponding basic specifications.

SIST EN ISO 2507-3:2018 SIST EN 727:1997
2018-01 (po) (en) 9 str. (C)
Plastomerne cevi in fitingi - Temperatura zmehčišča po Vicatu - 3. del: Preskusni pogoji za cevi in fitinge iz akrilonitril/butadien/stirena (ABS) in akrilonitril/stiren/akril estra (ASA) (ISO 2507-3:1995)
Thermoplastics pipes and fittings - Vicat softening temperature - Part 3: Test conditions for acrylonitrile/butadiene/styrene (ABS) and acrylonitrile/styrene/acrylic ester (ASA) pipes and fittings (ISO 2507-3:1995)
Osnova: EN ISO 2507-3:2017
ICS: 23.040.45, 23.040.20

Specifies the particular test conditions for determining the Vicat softening temperature of ABS and ASA pipes and fittings (the general test method is given in ISO 2507-1). Also gives, for information, the corresponding basic specifications.

SIST EN ISO 3127:2018 SIST EN 744:1997
2018-01 (po) (en) 16 str. (D)
Plastomerne cevi - Določanje odpornosti proti zunanjim udarcem - Metoda s postopkom rotiranja (round-the-clock method) (ISO 3127:1994)
Thermoplastics pipes - Determination of resistance to external blows - Round-the-clock method (ISO 3127:1994)
Osnova: EN ISO 3127:2017
ICS: 23.040.20

Cancels and replaces the first edition (1980). Specifies a method for the determination of the resistance to external blows of thermoplastics pipes of circular cross-section (round-the-clock method). This method is applicable to isolated batches of pipe tested at 0 °C.

SIST EN ISO 9852:2018 SIST EN 580:2003
2018-01 (po) (en) 14 str. (D)
Cevi iz nemehčanega polivinilklorida (PVC-U) - Odpornost proti diklormetanu pri določeni temperaturi (DCMT) - Preskusna metoda (ISO 9852:2007)
Unplasticized poly(vinyl chloride) (PVC-U) pipes - Dichloromethane resistance at specified temperature (DCMT) - Test method (ISO 9852:2007)
Osnova: EN ISO 9852:2017
ICS: 23.040.20

ISO 9852:2007 specifies a method for determining the resistance of unplasticized poly(vinyl chloride) (PVC-U) pipes to dichloromethane at a specified temperature (DCMT).
It is applicable to all PVC-U pipes, irrespective of their intended use.
The method can be used as a rapid means of quality control during manufacture.

SIST-TS CEN/TS 15223:2018 SIST-TS CEN/TS 15223:2008
2018-01 (po) (en;fr;de) 37 str. (H)
Cevni sistemi iz polimernih materialov - Veljavni parametri za načrtovanje plastomernih cevnih sistemov, položenih v zemljo
Plastics piping systems - Validated design parameters of buried thermoplastics piping systems
Osnova: CEN/TS 15223:2017
ICS: 23.040.20

This Technical Specification covers validated design parameters of buried thermoplastics piping systems for functional and structural design for the following applications:
– pressure (excluding piping systems for gaseous fluids and industrial applications);
– non-pressure.
The functional design is based on relevant standards and commonly used practices.
Depending on the project parameters, this route for structural design can be
– either established by long term experience (within certain limitations),
– or calculated according to CEN/TR 1295-2 by using thermoplastic pipe material related properties and design criteria.
NOTE The route is shown in the flowchart given in Figure 1 in 4.1.
Since in practice precise details of types of soil and installation conditions are not always available at the design stage, the choice of design assumptions is left to the judgement of the designer/specifier. In this connection, this guide can only provide general indications and advice.

SIST/TC PIP Pigmenti in polnila

SIST EN ISO 787-1:2018
2018-01 (po) (en;fr;de) 8 str. (B)
Splošne metode preskušanja pigmentov in polnil - 1. del: Primerjava barve pigmentov (ISO 787-1:1982)
General methods of test for pigments and extenders - Part 1: Comparison of colour of pigments (ISO 787-1:1982)
Osnova: EN ISO 787-1:2017
ICS: 87.060.10

Procedure for comparing the colour of a coloured pigment with that of an agreed sample. The procedures described in this document are acceptable but the method using an automatic muller is the reference method. The binder is not specified. It shall be agreed between the interested parties. If no binder is agreed, linseed oil, complying with the specification in ISO 150, should be used. - Replaces ISO/R 787/1:1968.

SIST EN ISO 787-17:2018
2018-01 (po) (en;fr;de) 13 str. (D)
Splošne metode preskušanja pigmentov in polnil - 17. del: Primerjava moči posvetlitve belih pigmentov (ISO 787-17:2002)
General methods of test for pigments and extenders - Part 17: Comparison of lightening power of white pigments (ISO 787-17:2002)
Osnova: EN ISO 787-17:2017
ICS: 87.060.10

This part of ISO 787 specifies a general method of test for comparing the lightening (reducing) power of a white pigment with the lightening power of an agreed sample of the same type.
Two procedures (A and B) are described. Procedure A is quicker than procedure B and is suitable for testing one sample of pigment; procedure B is better for testing several samples, and especially if a pigment of unknown lightening power is being tested.

SIST EN ISO 787-21:2018
2018-01 (po) (en;fr;de) 8 str. (B)
Splošne metode preskušanja pigmentov in polnil - 21. del: Primerjava toplotne obstojnosti pigmentov z uporabo toplotnega medija (ISO 787-21:1979)
General methods of test for pigments and extenders - Part 21: Comparison of heat stability of pigments using a stoving medium (ISO 787-21:1979)
Osnova: EN ISO 787-21:2017
ICS: 87.060.10

The method is intended for comparing the heat stability by specifying the temperatures of heating and the time of heating; it may also be used for determining the heat resistance of a pigment. The comparison of heat stability is carried out against that of an agreed sample.

SIST EN ISO 787-22:2018
2018-01 (po) (en;fr;de) 8 str. (B)
Splošne metode preskušanja pigmentov in polnil - 22. del: Primerjava odpornosti pigmentov proti bledenju (ISO 787-22:1980)
General methods of test for pigments and extenders - Part 22: Comparison of resistance to bleeding of pigments (ISO 787-22:1980)
Osnova: EN ISO 787-22:2017
ICS: 87.060.10

Specifies a method for comparing the resistance to bleeding with that of an agreed sample. The method has been established because it is essentially a practical test and as such is probably of greater general value than other methods.

SIST EN ISO 787-4:2018
2018-01 (po) (en;fr;de) 8 str. (B)
Splošne metode preskušanja pigmentov in polnil - 4. del: Določevanje kislosti ali bazičnosti vodnega ekstrakta (ISO 787-4:1981)
General methods of test for pigments and extenders - Part 4: Determination of acidity or alkalinity of the aqueous extract (ISO 787-4:1981)
Osnova: EN ISO 787-4:2017
ICS: 87.060.10

The principle of the method consists in the hot extraction of the material by following the procedure specified in ISO 787/3, to the stage of obtaining a perfectly clear filtrate. The determination is carried out with indicator solution (method A). If the solution with the methyl red indicator is yellow (alkaline), titrate it with the hydrochloric acid solution to an orange end-point; if the solution with the methyl red indicator is red (acid), titrate it with the sodium or potassium

hydroxide solution to an orange end-point. The other method (method B) is the potentiometric determination. Take 100 ml of the test solution, insert the electrodes of the pH measuring device and read the pH value.

SIST/TC PLN Plinske naprave za dom

SIST EN 16905-1:2018
2018-01 (po) (en;fr;de) 27 str. (G)
Toplotna črpalka s plinsko gnanim motorjem z notranjim zgorevanjem - 1. del: Izrazi in definicije
Gas-fired endothermic engine driven heat pumps - Part 1: Terms and definitions
Osnova: EN 16905-1:2017
ICS: 27.080

This European Standard specifies the requirements, test methods and test conditions for the rating and performance calculation of air conditioners and heat pumps using either air, water or brine as heat transfer media, with gas-fired endothermic engine driven compressors when used for space heating, cooling and refrigeration, hereafter referred to as "GEHP appliance".
This European Standard only applies to appliances with a maximum heat input (based on net calorific value) not exceeding 70 kW at standard rating conditions.
This European Standard only applies to appliances under categories I2H, I2E, I2Er, I2R, I2E(S)B, I2L, I2LL, I2ELL, I2E(R)B, I2ESi, I2E(R), I3P, I3B, I3B/P, II2H3+, II2Er3+, II2H3B/P, II2L3B/P, II2E3B/P, II2ELL3B/P, II2L3P, II2H3P, II2E3P and II2Er3P according to EN 437.
This European Standard only applies to appliances having:
- gas fired endothermic engines under the control of fully automatic control systems;
- closed system refrigerant circuits in which the refrigerant does not come into direct contact with the fluid to be cooled or heated;
- where the temperature of the heat transfer fluid of the heating system (heating water circuit) does not exceed 105 °C during normal operation;
- where the maximum operating pressure in the
- heating water circuit (if installed) does not exceed 6 bar
- domestic hot water circuit (if installed) does not exceed 10 bar.
This European Standard applies to appliances only when used for space heating or space cooling or for refrigeration, with or without heat recovery.
The appliances having their condenser cooled by air and by the evaporation of external additional water are not covered by this European Standard.
Packaged units, single split and multisplit systems are covered by this European Standard. Single duct and double duct units are covered by this European Standard.
The above appliances can have one or more primary or secondary functions.
This European Standard is applicable to appliances that are intended to be type tested. Requirements for appliances that are not type tested would need to be subject to further consideration.
In the case of packaged units (consisting of several parts), this European Standard applies only to those designed and supplied as a complete package.
NOTE All the symbols given in this text are used regardless of the language used.

SIST EN 16905-3:2018
2018-01 (po) (en;fr;de) 20 str. (E)
Toplotna črpalka s plinsko gnanim motorjem z notranjim zgorevanjem - 3. del: Preskusni pogoji
Gas-fired endothermic engine driven heat pumps - Part 3: Test conditions
Osnova: EN 16905-3:2017
ICS: 27.080

This European Standard specifies the requirements, test methods and test conditions for the rating and performance calculation of air conditioners and heat pumps using either air, water or brine

as heat transfer media, with gas-fired endothermic engine driven compressors when used for space heating, cooling and refrigeration, hereafter referred to as "GEHP appliance".
This European Standard only applies to appliances with a maximum heat input (based on net calorific value) not exceeding 70 kW at standard rating conditions.
This European Standard only applies to appliances under categories I2H, I2E, I2Er, I2R, I2E(S)B, I2L, I2LL, I2ELL, I2E(R)B, I2ESi, I2E(R), I3P, I3B, I3B/P, II2H3+, II2Er3+, II2H3B/P, II2L3B/P, II2E3B/P, II2ELL3B/P, II2L3P, II2H3P, II2E3P and II2Er3P according to EN 437.
This European Standard only applies to appliances having:
- gas fired endothermic engines under the control of fully automatic control systems;
- closed system refrigerant circuits in which the refrigerant does not come into direct contact with the fluid to be cooled or heated;
- where the temperature of the heat transfer fluid of the heating system (heating water circuit) does not exceed 105 °C during normal operation;
- where the maximum operating pressure in the
- heating water circuit (if installed) does not exceed 6 bar;
- domestic hot water circuit (if installed) does not exceed 10 bar.
This European Standard applies to appliances only when used for space heating or space cooling or for refrigeration, with or without heat recovery.
The appliances having their condenser cooled by air and by the evaporation of external additional water are not covered by this European Standard.
Packaged units, single split and multisplit systems are covered by this European Standard. Single duct and double duct units are covered by this European Standard.
The above appliances can have one or more primary or secondary functions.
This European Standard is applicable to appliances that are intended to be type tested. Requirements for appliances that are not type tested would need to be subject to further consideration.
In the case of packaged units (consisting of several parts), the standard applies only to those designed and supplied as a complete package.
NOTE All the symbols given in this text are used regardless of the language used.

SIST EN 16905-4:2018
2018-01 (po) (en;fr;de) 95 str. (M)
Toplotna črpalka s plinsko gnanim motorjem z notranjim zgorevanjem - 4. del: Preskusne metode
Gas-fired endothermic engine driven heat pumps - Part 4: Test methods
Osnova: EN 16905-4:2017
ICS: 27.080

This European Standard specifies the requirements, test methods and test conditions for the rating and performance calculation of air conditioners and heat pumps using either air, water or brine as heat transfer media, with gas-fired endothermic engine driven compressors when used for space heating, cooling and refrigeration, hereafter referred to as "GEHP appliance".
This European Standard only applies to appliances with a maximum heat input (based on net calorific value) not exceeding 70 kW at standard rating conditions.
This European Standard only applies to appliances under categories I2H, I2E, I2Er, I2R, I2E(S)B, I2L, I2LL, I2ELL, I2E(R)B, I2ESi, I2E(R), I3P, I3B, I3B/P, II2H3+, II2Er3+, II2H3B/P, II2L3B/P, II2E3B/P, II2ELL3B/P, II2L3P, II2H3P, II2E3P and II2Er3P according to EN 437.
This European Standard only applies to appliances having:
- gas fired endothermic engines under the control of fully automatic control systems;
- closed system refrigerant circuits in which the refrigerant does not come into direct contact with the fluid to be cooled or heated;
- where the temperature of the heat transfer fluid of the heating system (heating water circuit) does not exceed 105 °C during normal operation;
- where the maximum operating pressure in the
- heating water circuit (if installed) does not exceed 6 bar;
- domestic hot water circuit (if installed) does not exceed 10 bar.
This European Standard applies to appliances only when used for space heating or space cooling or for refrigeration, with or without heat recovery.

The appliances having their condenser cooled by air and by the evaporation of external additional water are not covered by this European Standard.
Packaged units, single split and multisplit systems are covered by this European Standard. Single duct and double duct units are covered by this European Standard.
The above appliances can have one or more primary or secondary functions.
This European Standard is applicable to appliances that are intended to be type tested. Requirements for appliances that are not type tested would need to be subject to further consideration.
In the case of packaged units (consisting of several parts), this European Standard applies only to those designed and supplied as a complete package.
NOTE All the symbols given in this text are used regardless of the language used.

SIST EN 16905-5:2018
2018-01 (po) (en;fr;de) 57 str. (J)
Toplotna črpalka s plinsko gnanim motorjem z notranjim zgorevanjem - 5. del: Izračun sezonske zmogljivosti za ogrevanje in hlajenje
Gas-fired endothermic engine driven heat pumps - Part 5: Calculation of seasonal performances in heating and cooling mode
Osnova: EN 16905-5:2017
ICS: 27.080

This European Standard specifies the requirements, test methods and test conditions for the rating and performance calculation of air conditioners and heat pumps using either air, water or brine as heat transfer media, with gas-fired endothermic engine driven compressors when used for space heating, cooling and refrigeration, hereafter referred to as "GEHP appliance".
This European Standard only applies to appliances with a maximum heat input (based on net calorific value) not exceeding 70 kW at standard rating conditions.
This European Standard only applies to appliances under categories I2H, I2E, I2Er, I2R, I2E(S)B, I2L, I2LL, I2ELL, I2E(R)B, I2ESi, I2E(R), I3P, I3B, I3B/P, II2H3+, II2Er3+, II2H3B/P, II2L3B/P, II2E3B/P, II2ELL3B/P, II2L3P, II2H3P, II2E3P and II2Er3P according to EN 437.
This European Standard only applies to appliances having:
- gas fired endothermic engines under the control of fully automatic control systems;
- closed system refrigerant circuits in which the refrigerant does not come into direct contact with the fluid to be cooled or heated;
- where the temperature of the heat transfer fluid of the heating system (heating water circuit) does not exceed 105 °C during normal operation;
- where the maximum operating pressure in the
- heating water circuit (if installed) does not exceed 6 bar
- domestic hot water circuit (if installed) does not exceed 10 bar.
This European Standard applies to appliances only when used for space heating or space cooling or for refrigeration, with or without heat recovery.
The appliances having their condenser cooled by air and by the evaporation of external additional water are not covered by this European Standard.
Packaged units, single split and multisplit systems are covered by this European Standard. Single duct and double duct units are covered by this European Standard.
The above appliances can have one or more primary or secondary functions.
This European Standard is applicable to appliances that are intended to be type tested. Requirements for appliances that are not type tested would need to be subject to further consideration.
In the case of packaged units (consisting of several parts), this European Standard applies only to those designed and supplied as a complete package.
NOTE All the symbols given in this text are used regardless of the language used.

SIST EN 304:2018 SIST EN 15034:2007
SIST EN 15034:2007/AC:2008
SIST EN 304:1997
SIST EN 304:1997/A1:1999
SIST EN 304:1997/A2:2004

2018-01 (po) (en;fr;de) 49 str. (I)
Kotli za gretje - Preskušanje kotlov z razprševalnimi oljnimi gorilniki
Heating boilers - Test code for heating boilers for atomizing oil burners
Osnova: EN 304:2017
ICS: 97.100.40, 27.060.10

The test code applies to the determination of the perfomances of heating boilers combi boilers and water heaters fired by liquid fuels. The requirements are laid down in EN 303-1 and EN 303-2. This code includesthe requirements and recommendations for carrying out and evaluating the procedure for testing boilers and also the details of the technical conditions under which the tests shall be carried out.

SIST/TC POZ Požarna varnost

SIST EN 15882-1:2012+A1:2018 SIST EN 15882-1:2012
2018-01 (po) (en;fr;de) 29 str. (G)
Razširjena uporaba rezultatov preskusov požarne odpornosti servisnih inštalacij - 1. del: Požarni kanali
Extended application of results from fire resistance tests for service installations - Part 1: Ducts
Osnova: EN 15882-1:2011+A1:2017
ICS: 91.060.40, 13.220.50

This European Standard identifies parameters that affect the fire resistance of ducts for ventilation purposes. It also identifies the factors that need to be considered when deciding whether, or by how much a parameter can be extended either positively or negatively when contemplating the fire resistance on an untested variation in the construction.
This European Standard, where applicable, gives guidance on additional tests that are needed to extend the field of application.
The European Standard gives the principles behind how a conclusion on the influence of specific parameters/constructional details relating to the relevant criteria (E, I, S) can be achieved.
This European Standard only applies to ducts tested to EN 1366-1. Duct sections for use other than in fire resisting heating, ventilation and air conditioning (HVAC) systems are not covered by this European Standard. It does not cover ducts used for smoke control which are tested in accordance with EN 1366-8 or EN 1366-9.

SIST/TC PPV Protivlomni in protipožarni vsebniki in zaklepni mehanizmi

SIST EN 14450:2018 SIST EN 14450:2005
2018-01 (po) (en;fr;de) 17 str. (E)
Varnostne shranjevalne enote - Zahteve, klasifikacija in metode preskušanja protivlomne odpornosti - Varnostne omare
Secure storage units - Requirements, classification and methods of test for resistance to burglary - Secure safe cabinets
Osnova: EN 14450:2017
ICS: 35.220.99, 13.310

This document establishes the basis for testing and classifying secure safe cabinets.

SIST/TC PSE Procesni sistemi v energetiki

SIST EN 61970-452:2018 SIST EN 61970-452:2015
2018-01 (po) (en) 177 str. (R)
Aplikacijski programski vmesnik za sistem upravljanja z energijo (EMS-API) - 452. del: Profili CIM za statični model prenosnega omrežja
Energy management system application program interface (EMS-API) - Part 452: CIM static transmission network model profiles
Osnova: **EN 61970-452:2017**
ICS: **03.100.70, 29.240.30, 35.200**

This IEC document is one of the IEC 61970-450 to 499 series that, taken as a whole, defines at an abstract level the content and exchange mechanisms used for data transmitted between control centers and/or control center components, such as power systems applications.
The purpose of this document is to define the subset of classes, class attributes, and roles from the CIM necessary to execute state estimation and power flow applications. The North American Electric Reliability Council (NERC) Data Exchange Working Group (DEWG) Common Power System Modeling group (CPSM) produced the original data requirements, which are shown in Annex E. These requirements are based on prior industry practices for exchanging power system model data for use primarily in planning studies. However, the list of required data has been extended to facilitate a model exchange that includes parameters common to breaker-oriented applications. Where necessary this document establishes conventions, shown in Clause 6, with which an XML data file must comply in order to be considered valid for exchange of models.
This document is intended for two distinct audiences, data producers and data recipients, and may be read from two perspectives.
From the standpoint of model export software used by a data producer, the document describes a minimum subset of CIM classes, attributes, and associations which must be present in an XML formatted data file for model exchange. This standard does not dictate how the network is modelled, however. It only dictates what classes, attributes, and associations are to be used to describe the source model as it exists.
Optional and required classes, attributes and associations must be imported if they are in the model file prior to import. If an optional attribute does not exist in the imported file, it does not have to be exported in case exactly the same data set is exported, i.e. the tool is not obliged to automatically provide this attribute. If any mandatory attribute or association is missing, the exchanged data is considered invalid. Specific business processes may relax restrictions of the profile, but such exchanges would not be considered to be compliant with the standard.
Business processes governing different exchanges can also require mandatory exchange of certain optional attributes or associations.
Furthermore, an exporter may, at his or her discretion, produce an XML data file containing additional class data described by the CIM RDF Schema but not required by this document provided these data adhere to the conventions established in Clause 6.
From the standpoint of the model import used by a data recipient, the document describes a subset of the CIM that importing software must be able to interpret in order to import exported models. As mentioned above, data providers are free to exceed the minimum requirements described herein as long as their resulting data files are compliant with the CIM RDF Schema and the conventions established in Clause 6. The document, therefore, describes additional classes and class data that, although not required, exporters will, in all likelihood, choose to include in their data files. The additional classes and data are labeled as required (cardinality 1..1) or as optional (cardinality 0..1) to distinguish them from their required counterparts.
Please note, however, that data importers could potentially receive data containing instances of any and all classes described by the CIM RDF Schema.

SIST/TC PVS Fotonapetostni sistemi

SIST EN 62788-1-5:2017/AC:2018
2018-01 (po) (en,fr) 3 str. (AC)
Merilni postopki za materiale, uporabljene v fotonapetostnih modulih - 1-5. del: Enkapsulanti - Merjenje sprememb linearnih dimenzij plošč materiala za enkapsulacijo zaradi toplotnih pogojev - Popravek AC
Measurement procedures for materials used in photovoltaic modules - Part 1-5: Encapsulants - Measurement of change in linear dimensions of sheet encapsulation material resulting from applied thermal conditions
Osnova: **EN 62788-1-5:2016/AC:2017-11**
ICS: **17.040.01, 27.160**

Popravek k standardu SIST EN 62788-1-5:2017.
Ta del standarda IEC 62788 zagotavlja metodo za merjenje največje reprezentativne spremembe linearnih dimenzij plošč materiala za enkapsulacijo pri neomejeni izpostavljenosti toploti, ki se jo morda lahko opazi med proizvodnjo fotonapetostnih (PV) modulov. Standard ne upošteva posledičnih obremenitev, do katerih lahko pride zaradi omejenih sprememb dimenzij ali trenja med proizvodnjo modulov.
Podatke, pridobljene s to metodo, lahko proizvajalci materiala za enkapsulacijo uporabijo za nadzor kakovosti svojih materialov za enkapsulacijo in navedbe v tehničnih listih izdelkov. Podatke, pridobljene s to metodo, lahko proizvajalci fotonapetostnih modulov uporabijo za namene sprejemljivosti materiala, razvoj procesov, analizo zasnove ali analizo napak.
Ta metoda se lahko uporablja tudi za preverjanje drugih materialov, npr. nosilnih plasti in prednjih plasti, kot je opisano v standardu IEC 62788-2. Določene podrobnosti preskusa (vključno z velikostjo preskušanca in podlage) so za ta način uporabe določene v standardu 62788-2.

SIST EN 62805-1:2018
2018-01 (po) (en) 17 str. (E)
Metode za merjenje fotonapetostnega (PV) stekla - 1. del: Merjenje celotne zamegljenosti in spektralne porazdelitve zamegljenosti
Method for measuring photovoltaic (PV) glass - Part 1: Measurement of total haze and spectral distribution of haze
Osnova: **EN 62805-1:2017**
ICS: **27.160**

This part of IEC 62805 specifies a method for measurement and calculation of the total haze and the spectral distribution of haze of glass used in photovoltaic (PV) modules.
This document is applicable to glass used in PV modules, including transparent conductive oxide coated (TCO) glass and other kinds of glass used in PV modules.

SIST EN 62805-2:2018
2018-01 (po) (en) 15 str. (D)
Metode za merjenje fotonapetostnega (PV) stekla - 2. del: Merjenje transmitance in reflektance
Method for measuring photovoltaic (PV) glass - Part 2: Measurement of transmittance and reflectance
Osnova: **EN 62805-2:2017**
ICS: **27.160**

This part of IEC 62805 specifies methods for measuring the transmittance and reflectance of glass used in photovoltaic (PV) modules and provides instructions on how to calculate the effective hemispherical transmittance and reflectance of this glass.
This document is applicable to PV glasses used in PV modules, including ultra-clear patterned glass, anti-reflective coated (AR) glass, transparent conductive oxide coated (TCO) glass and other kinds of PV glass used in PV modules.

These test methods are designed to provide reproducible data appropriate for comparison of results among laboratories or at different times by the same laboratory and for comparison of data obtained on different PV glasses.
These test methods have been found practical for glass having both specular and diffuse optical properties.

SIST EN 62817:2015/A1:2018
2018-01 (po) (en) 6 str. (B)
Sledilniki sonca za fotonapetostne sisteme - Ocena zasnove - Dopolnilo A1
Photovoltaic systems - Design qualification of solar trackers
Osnova: EN 62817:2015/A1:2017
ICS: 27.160

Dopolnilo A1:2018 je dodatek k standardu SIST EN 62817:2015.
Ta mednarodni standard je standard ocene zasnove, ki se uporablja za sledilnike sonca za fotonapetostne sisteme, vendar se lahko uporablja tudi za sledilnike pri drugih načinih uporabe sončne energije. Standard določa preskusne postopke za ključne sestavne dele in celoten sledilni sistem. V nekaterih primerih preskusni postopki opisujejo metode za merjenje in/ali izračun parametrov, navedenih v specifikaciji določenega sledilnika. V ostalih primerih je preskusni postopek uspešno/neuspešno opravljen.
Cilj tega standarda ocene zasnove je dvojen. Najprej ta standard zagotavlja uporabniku navedenega sledilnika, da so parametri v specifikaciji izmerjeni na podlagi doslednih in sprejetih industrijskih postopkov. To zagotavlja odjemalcem trdno osnovo za primerjanje in izbiro sledilnika, ki ustreza njihovim posebnim potrebam. Ta standard določa definicije in parametre v celotni industriji za sledilnike sonca. Vsak dobavitelj lahko oblikuje, zgradi ter določa funkcionalnost in točnost z enotno definicijo. To omogoča doslednost pri določanju zahtev za nakup,
primerjavo produktov različnih dobaviteljev in preverjanje kakovosti produktov. Kot drugo, preskusi z merilom za uspešno/neuspešno opravljenost so zasnovani z namenom ločevanja zasnov sledilnikov, ki se lahko hitreje okvarijo, od tistih zasnov, ki so zanesljive in primerne za uporabo, kot jo določa proizvajalec. Mehansko in okoljsko preskušanje v tem standardu je zasnovano za oceno zmogljivosti sledilnika v različnih pogojih delovanja in preživetja izrednih razmer. Mehansko preskušanje ni namenjeno certificiranju strukturnih in temeljnih zasnov, ker je ta vrsta certificiranja odvisna od krajevne pristojnosti, vrste tal in ostalih krajevnih zahtev.

SIST EN 62979:2018
2018-01 (po) (en) 16 str. (D)
Fotonapetostni modul - Obvodna dioda - Preskus termičnega pobega
Photovoltaic module - Bypass diode - Thermal runaway test
Osnova: EN 62979:2017
ICS: 27.160

This document provides a method for evaluating whether a bypass diode as mounted in the module is susceptible to thermal runaway or if there is sufficient cooling for it to survive the transition from forward bias operation to reverse bias operation without overheating.
This test methodology is particularly suited for testing of Schottky barrier diodes, which have the characteristic of increasing leakage current as a function of reverse bias voltage at high temperature, making them more susceptible to thermal runaway.
The test specimens which employ P/N diodes as bypass diodes are exempted from the thermal runaway test required herein, because the capability of P/N diodes to withstand the reverse bias is sufficiently high.

SIST/TC SKA Stikalni in krmilni aparati

SIST EN 60715:2018 SIST EN 60715:2002
2018-01 (po) (en) 32 str. (G)
Dimenzije nizkonapetostnih stikalnih in krmilnih naprav - Standardizirana vgradnja stikalnih naprav, krmilnih naprav in dodatne opreme na nosilne natične letve za mehansko podporo (IEC 60715:2017)
Dimensions of low-voltage switchgear and controlgear - Standardized mounting on rails for mechanical support of switchgear, controlgear and accessories (IEC 60715:2017)
Osnova: EN 60715:2017
ICS: 29.130.20

This document specifies dimensional and functional requirements for the compatible mounting of switchgear, controlgear and accessories on some types of rails.
The object of this document is to specify those dimensions that are critical for the correct design of mounting rails and equipment.
The following sections are covered by this document:
– "top hat" section;
– "C" section;
– "G" section.
NOTE 1 Mounting compatibility does not imply functional interchangeability.
Annexes deal with specific steel mounting rails satisfying the requirements of this document, and give additional dimensional data and loading requirements applicable to such rails.
NOTE 2 The detailed design and material of specific steel rails is given in the annexes.
NOTE 3 Other shapes of rails complying with this document not listed in Annex A can be used.
Mounting rails used as a protective conductor using a conducting connection to a protective conductor terminal block are specified in IEC 60947-7-2. In other applications where the mounting rail is used as earthing conductor, the relevant product standard applies.
This document has the status of a horizontal standard in accordance with IEC Guide 108:2006. This horizontal standard is primarily intended for use by technical committees in the preparation of standards in accordance with the principles laid down in IEC Guide 108. One of the responsibilities of a technical committee is, wherever applicable, to make use of horizontal standards in the preparation of its publications. The contents of this horizontal standard will not apply unless specifically referred to or included in the relevant publications.

SIST EN 62271-1:2018 SIST EN 62271-1:2009
SIST EN 62271-1:2009/A1:2011
2018-01 (po) (en) 130 str. (O)
Visokonapetostne stikalne in krmilne naprave - 1. del: Skupne specifikacije za stikalne in krmilne naprave za izmenični tok (IEC 62271-1:2017)
High-voltage switchgear and controlgear - Part 1: Common specifications for alternating current switchgear and controlgear (IEC 62271-1:2017)
Osnova: EN 62271-1:2017
ICS: 29.130.10

This part of IEC 62271 applies to AC switchgear and controlgear designed for indoor and/or outdoor installation and for operation at service frequencies up to and including 60 Hz and having rated voltages above 1 000 V.
This document applies to all high-voltage switchgear and controlgear except as otherwise specified in the relevant IEC standards for the particular type of switchgear and controlgear.
NOTE For the use of this document, high-voltage is defined as the rated voltage above 1 000 V. However, the term medium voltage is commonly used for distribution systems with voltages above 1 kV and generally applied up to and including 52 kV.

SIST/TC SPN Storitve in protokoli v omrežjih

SIST EN 319 412-5 V2.2.1:2018
2018-01 (po) (en) 18 str. (E)
Elektronski podpisi in infrastruktura (ESI) - Profili potrdil - 5. del: Izjave QC
Electronic Signatures and Infrastructures (ESI) - Certificate Profiles - Part 5: QCStatements
Osnova: ETSI EN 319 412-5 V2.2.1 (2017-11)
ICS: 35.030, 03.080.99

The present document defines specific QCStatement for the qcStatements extension as defined in IETF RFC 3739 [2], clause 3.2.6, including requirements for their use in EU qualified certificates. Some of these QCStatements can be used for other forms of certificate.
The QCStatements defined in the present document can be used in combination with any certificate profile, either defined in ETSI EN 319 412-2 [i.2], ETSI EN 319 412-3 [i.5] and ETSI EN 319 412-4 [i.6], or defined elsewhere.
The QCStatements defined in clause 4.3 may be applied to regulatory environments outside the EU. Other requirements specified in clause 4 are specific to Regulation (EU) No 910/2014 [i.8] but may be adapted for other regulatory environments.

SIST-TS ETSI/TS 102 657 V1.18.1:2018
2018-01 (po) (en) 134 str. (O)
Zakonito prestrezanje (LI) - Ravnanje z zadržanimi podatki - Izročilni vmesnik za zahtevo in izročanje zadržanih podatkov
Lawful Interception (LI) - Retained data handling - Handover interface for the request and delivery of retained data
Osnova: ETSI TS 102 657 V1.18.1 (2017-04)
ICS: 35.200, 33.040.40

The present document is based on requirements from ETSI TS 102 656 [2].
The present document contains handover requirements and a handover specification for the data that is identified in national legislations on Retained Data.
The present document considers both the requesting of retained data and the delivery of the results.
The present document defines an electronic interface. An informative annex describes how this interface may be adapted for manual techniques. Apart from in annex I, the present document does not consider manual techniques.

SIST-TS ETSI/TS 102 657 V1.19.1:2018
2018-01 (po) (en) 133 str. (O)
Zakonito prestrezanje (LI) - Ravnanje z zadržanimi podatki - Izročilni vmesnik za zahtevo in izročanje zadržanih podatkov
Lawful Interception (LI) - Retained data handling - Handover interface for the request and delivery of retained data
Osnova: ETSI TS 102 657 V1.19.1 (2017-08)
ICS: 35.200, 33.040.40

The present document is based on requirements from ETSI TS 102 656 [2].
The present document contains handover requirements and a handover specification for the data that is identified in national legislations on Retained Data.
The present document considers both the requesting of retained data and the delivery of the results.
The present document defines an electronic interface. An informative annex describes how this interface may be adapted for manual techniques. Apart from in annex I, the present document does not consider manual techniques.

SIST/TC SPO Šport

SIST EN 1176-1:2018 SIST EN 1176-1:2008
2018-01 (po) (en;fr;de) 102 str. (N)
Oprema in podloge otroških igrišč - 1. del: Splošne varnostne zahteve in preskusne metode
Playground equipment and surfacing - Part 1: General safety requirements and test methods
Osnova: EN 1176-1:2017
ICS: 97.200.40

This part of EN 1176 specifies general safety requirements for permanently installed public playground
equipment and surfacing. Additional safety requirements for specific pieces of playground equipment are specified in subsequent parts of this standard.This part of EN 1176 covers playground equipment for all children. It has been prepared with full recognition of the need for supervision of young children and of less able or less competent children.
The purpose of this part of EN 1176 is to ensure a proper level of safety when playing in, on or around playground equipment, and at the same time to promote activities and features known to benefit children because they provide valuable experiences that will enable them to cope with situations outside the playground.
This part of EN 1176 is applicable to playground equipment intended for individual and collective use by children, but excluding adventure playgrounds. It is also applicable to equipment and units installed as children's playground equipment although they are not manufactured as such, but excludes those items defined as toys in EN 71 and the Toys Safety Directive.
NOTE Adventure playgrounds are fenced, secured playgrounds, run and staffed in accordance with the widely accepted principles that encourage children's development and often use self-built equipment with the exception of those items which have been commercially sourced. This part of EN 1176 specifies the requirements that will protect the child from hazards that he or she may be unable to foresee when using the equipment as intended, or in a manner that can be reasonably anticipated.
The use of electricity in play equipment, either as a play activity or as a motive force, is outside the scope of this standard. The attention of users is drawn to European and local national standards and regulations which must be complied with when using electricity.

SIST EN 1176-2:2018 SIST EN 1176-2:2008
2018-01 (po) (en;fr;de) 25 str. (F)
Oprema in podloge otroških igrišč - 2. del: Dodatne posebne varnostne zahteve in preskusne metode za viseče gugalnice
Playground equipment and surfacing - Part 2: Additional specific safety requirements and test methods for swings
Osnova: EN 1176-2:2017
ICS: 97.200.40

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

SIST EN 1176-3:2018 SIST EN 1176-3:2008
2018-01 (po) (en;fr;de) 21 str. (F)
Oprema in podloge otroških igrišč - 3. del: Dodatne posebne varnostne zahteve in preskusne metode za tobogane
Playground equipment and surfacing - Part 3: Additional specific safety requirements and test methods for slides
Osnova: EN 1176-3:2017
ICS: 97.200.40

This part of the standard specifies additional safety requirements for slides intended for permanent installation for use by children. The aim is to provide protection to the user against possible hazards during use.
This part of the standard is not applicable to waterslides, rollerways or slide installations where auxiliary equipment such as mats or sledges are used. This part of the standard is not applicable for inclined surfaces which do not contain and guide the user e.g. banister rails.

SIST EN 1176-4:2018 SIST EN 1176-4:2008
2018-01 (po) (en;fr;de) 14 str. (D)
Oprema in podloge otroških igrišč - 4. del: Dodatne posebne varnostne zahteve in preskusne metode za vrvne proge
Playground equipment and surfacing - Part 4: Additional specific safety requirements and test methods for cableways
Osnova: EN 1176-4:2017
ICS: 97.200.40

This European Standard is applicable to cableways whereby children travel on or along a cable by the use of gravity. This standard specifies additional safety requirements for cableways intended for permanent installation for use by children.

SIST EN 1176-6:2018 SIST EN 1176-6:2008
2018-01 (po) (en;fr;de) 20 str. (E)
Oprema in podloge otroških igrišč - 6. del: Dodatne posebne varnostne zahteve in preskusne metode za oporne gugalnice
Playground equipment and surfacing - Part 6: Additional specific safety requirements and test methods for rocking equipment
Osnova: EN 1176-6:2017
ICS: 97.200.40

This document is applicable to rocking equipment which is used as playground equipment for children, as de- fined in 3.1. Where the main play function is not rocking, the relevant requirements in this document may be used, as appropriate.
This document specifies additional safety requirements for seesaws and rocking equipment intended for per- manent installation for use by children.
It is intended to provide protection to the user against possible hazards during use.
NOTE Guidance for assessing the safety of other forms of seesaw/rocking equipment is given in Annex A.

SIST EN 13865:2017/AC:2018
2018-01 (po) (en;fr;de) 2 str. (AC)
Podloge za športne dejavnosti - Ugotavljanje obnašanja žoge pri odboju pod kotom - Tenis
Surfaces for sports areas - Determination of angled ball behaviour - Tennis
Osnova: EN 13865:2017/AC:2017
ICS: 97.220.10

Popravek k standardu SIST EN 13865:2017.
Ta evropski standard določa metodo za ugotavljanje obnašanja teniške žoge pri odboju pod kotom od športne podloge.

SIST EN 16869:2018
2018-01 (po) (en;fr;de) 26 str. (F)
Načrtovanje zavarovane plezalne poti (via ferrata)
Design/construction of Via Ferrata
Osnova: EN 16869:2017
ICS: 97.220.40

This European Standard specifies design requirements applicable to a Via Ferrata.
It is not applicable neither to ropes courses (covered by EN 15567) nor to trails only equipped with progression aids like foot-steps, ladders, handrails, chains, cables, ropes.

SIST/TC TLP Tlačne posode

SIST EN 13480-1:2018 SIST EN 13480-1:2012
2018-01 (po) (en;fr;de) 18 str. (E)
Kovinski industrijski cevovodi - 1. del: Splošno
Metallic industrial piping - Part 1: General
Osnova: EN 13480-1:2017
ICS: 23.040.10, 77.140.75

This European Standard specifies the requirements for industrial piping systems and supports, including safety systems, made of metallic materials with a view to ensure safe operation.
This European Standard is applicable to metallic piping above ground, ducted or buried, irrespective of pressure.
This European Standard is not applicable to:
- Pipelines and their accessories;
- Stream waterways such as penstocks, pressure tunnels, pressure shaft for hydro-electric-installations and their related specific accessories;
- Piping for vehicles covered by the EEC type approval procedures as laid down in Directives 70/156/EEC [1], 74/150/EEC [2] and 92/61/EEC [3];
- Items specifically designed for nuclear use, failure of which may cause an emission of radioactivity;
- Well-control equipment used in the petroleum, gas or geothermal exploration and extraction industry and in underground storage which is intended to contain and/or control well pressure, including the piping;
- Piping of blast furnaces including the furnace cooling, hot blast recuperators, dust extractors and blast furnace exhaust gas scrubbers and direct reducing cupolas including the furnace cooling, gas converters and vacuum furnaces and pans for melting, re-melting de-gassing and casting of steel and non ferrous metals;
- Enclosures for high voltage electrical equipment such as switchgear, control gear and transformers;
- Pressurized pipes for the containment of transmission systems such as for electrical power and telephone cables;
- Permanently fixed piping for ships, rockets, aircraft and mobile offshore units;
- Internal piping in medical devices as defined in the Directive 93/142/EEC [4] concerning medical devices;
- Internal piping of boilers and piping integral to pressure vessels.

SIST EN 13480-2:2018

SIST EN 13480-2:2012/oprA10:2016
SIST EN 13480-2:2012/oprA8:2017
SIST EN 13480-2:2012/oprA9:2017
SIST EN 13480-2:2012
SIST EN 13480-2:2012/A1:2013
SIST EN 13480-2:2012/A2:2017

2018-01 (po) (en;fr;de) 83 str. (M)
Kovinski industrijski cevovodi - 2. del: Materiali
Metallic industrial piping - Part 2: Materials
Osnova: EN 13480-2:2017
ICS: 77.140.75, 23.040.20

This Part of this European Standard specifies the requirements for materials (including metallic clad materials) for industrial piping and supports covered by EN 13480-1 manufactured from of metallic materials. It is currently limited to steels with sufficient ductility. This Part of this European Standard is not applicable to materials in the creep range.
NOTE Other materials will be added later by amendments.
It specifies the requirements for the selection, inspection, testing and marking of metallic materials for the fabrication of industrial piping.

SIST EN 13480-3:2012/A1:2018
2018-01 (po) (en;fr;de) 49 str. (I)
Kovinski industrijski cevovodi - 3. del: Konstruiranje in izračun - Dopolnilo A1
Metallic industrial piping - Part 3: Design and calculation
Osnova: EN 13480-3:2012/A1:2017
ICS: 77.140.75

Dopolnilo A1:2018 je dodatek k standardu SIST EN 13480-3:2012.
Ta del tega evropskega standarda določa zahteve za konstruiranje in izračun industrijskih kovinskih cevnih sistemov, vključno z nosilci, iz standarda EN 13480.

SIST EN 13480-3:2018

SIST EN 13480-3:2012
SIST EN 13480-3:2012/A1:2018

2018-01 (po) (en;fr;de) 363 str. (Z)
Kovinski industrijski cevovodi - 3. del: Konstruiranje in izračun
Metallic industrial piping - Part 3: Design and calculation
Osnova: EN 13480-3:2017
ICS: 77.140.75, 23.040.10

This Part of this European Standard specifies the design and calculation of industrial metallic piping systems, including supports, covered by EN 13480.

SIST EN 13480-4:2012/A5:2018 SIST EN 13480-4:2012
2018-01 (po) (en;fr;de) 4 str. (A)
Kovinski industrijski cevovodi - 4. del: Proizvodnja in vgradnja - Dopolnilo A5
Metallic industrial piping - Part 4: Fabrication and installation
Osnova: EN 13480-4:2012/A5:2017
ICS: 77.140.75

Dopolnilo A5:2018 je dodatek k standardu SIST EN 13480-4:2012.
Ta del tega evropskega standarda določa zahteve za proizvodnjo in vgradnjo cevnih sistemov, vključno z nosilci, ki so konstruirani v skladu s standardom EN 13480-3:2012.

SIST EN 13480-4:2018

SIST EN 13480-4:2012
SIST EN 13480-4:2012/A1:2013
SIST EN 13480-4:2012/A2:2016
SIST EN 13480-4:2012/A3:2017
SIST EN 13480-4:2012/A4:2017
SIST EN 13480-4:2012/A5:2018

2018-01 (po) (en;fr;de) 48 str. (I)
Kovinski industrijski cevovodi - 4. del: Proizvodnja in vgradnja
Metallic industrial piping - Part 4: Fabrication and installation
Osnova: EN 13480-4:2017
ICS: 77.140.75, 23.040.20

This Part of this European Standard specifies the requirements for fabrication and installation of piping systems, including supports, designed in accordance with EN 13480-3:2017.

SIST EN 13480-5:2018

SIST EN 13480-5:2012/oprA4:2017
SIST EN 13480-5:2012
SIST EN 13480-5:2012/A1:2013
SIST EN 13480-5:2012/A2:2017
SIST EN 13480-5:2012/A3:2017

2018-01 (po) (en;fr;de) 34 str. (H)
Kovinski industrijski cevovodi - 5. del: Pregled in preskušanje
Metallic industrial piping - Part 5: Inspection and testing
Osnova: EN 13480-5:2017
ICS: 23.040.20, 77.140.75

This Part of this European Standard specifies the requirements for inspection and testing of industrial piping as defined in EN 13480-1:2017 to be performed on individual spools or piping systems, including supports, designed in accordance with EN 13480-3:2017 and EN 13480-6:2017 (if applicable), and fabricated and installed in accordance with EN 13480-4:2017.

SIST EN 13480-6:2018

SIST EN 13480-6:2012
SIST EN 13480-6:2012/A1:2017

2018-01 (po) (en;fr;de) 37 str. (H)
Kovinski industrijski cevovodi - 6. del: Dodatne zahteve za vkopane cevovode
Metallic industrial piping - Part 6: Additional requirements for buried piping
Osnova: EN 13480-6:2017
ICS: 77.140.75, 23.040.20

This document specifies requirements for industrial piping either totally buried or partly buried and partly run in sleeves or similar protection. It is used in conjunction with the other six parts of EN 13480.
Where buried piping subject to this standard connects to piping installed under other jurisdiction such as pipelines, the transition should be made at a closing element e.g. an isolating or regulating valve separating the two sections. This should be close to the boundary of the industrial site, but may be inside or outside the boundary.
Operating temperature up to 75 °C.
NOTE For higher temperatures reference should be made to EN 13941+A1:2010, but it should be kept in mind, that CEN/TC 107 only deals with pre-insulated piping with temperatures up to 140 °C and diameters up to 800 mm, which is state of the art for these products.

SIST EN 13480-8:2018 SIST EN 13480-8:2012
SIST EN 13480-8:2012/A1:2014
SIST EN 13480-8:2012/A2:2015

2018-01 (po) (en;fr;de) 45 str. (I)

Kovinski industrijski cevovodi - 8. del: Dodatne zahteve za cevovode iz aluminija in aluminijevih zlitin

Metallic industrial piping - Part 8: Additional requirements for aluminium and aluminium alloy piping

Osnova: EN 13480-8:2017
ICS: 23.040.20, 77.140.75, 77.150.10

This Part of EN 13480 specifies requirements for industrial piping systems made of aluminium and aluminium alloys in addition to the general requirements for industrial piping according to the series of standards EN 13480 and CEN/TR 13480-7.

SIST-TP CEN/TR 13480-7:2018 SIST CEN/TR 13480-7:2002

2018-01 (po) (en;fr;de) 17 str. (E)

Kovinski industrijski cevovodi - 7. del: Navodila za ugotavljanje skladnosti

Metallic industrial piping - Part 7: Guidance on the use of conformity assessment procedures

Osnova: CEN/TR 13480-7:2017
ICS: 23.040.10, 77.140.75

This Technical Report gives guidance on the use of conformity assessment procedures for industrial piping in relation to EN 13480.

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

SIST EN ISO 13567-1:2018 SIST EN ISO 13567-1:2003

2018-01 (po) (en;fr;de) 12 str. (C)

Tehnična dokumentacija izdelkov - Organizacija in poimenovanje plasti pri računalniškem projektiranju (CAD) - 1. del: Pregled in načela (ISO 13567-1:2017)

Technical product documentation - Organization and naming of layers for CAD - Part 1: Overview and principles (ISO 13567-1:2017)

Osnova: EN ISO 13567-1:2017
ICS: 35.240.10, 01.110

This document establishes the general principles of layer structuring within CAD files. Layers are used to control visibility and to manage and communicate CAD file data. Layer names are used to represent this structure.
The principles are applicable to all parties involved in preparing and using technical documentation on computer systems. Although these principles are primarily for users, CAD system developers are expected to provide software tools capable of implementing and supporting this document. An important use is also to structure data in component libraries produced by third parties.

SIST EN ISO 13567-2:2018 SIST EN ISO 13567-2:2003

2018-01 (po) (en;fr;de) 17 str. (E)

Tehnična dokumentacija izdelkov - Organizacija in poimenovanje plasti pri računalniškem projektiranju (CAD) - 2. del: Pojmi, format in oznake, uporabljene v gradbeni dokumentaciji (ISO 13567-2:2017)

Technical product documentation - Organization and naming of layers for CAD - Part 2: Concepts, format and codes used in construction documentation (ISO 13567-2:2017)

Osnova: EN ISO 13567-2:2017
ICS: 91.010.01, 35.240.10, 01.110

This document covers the organization and allocation of layers for CAD on construction projects for the purposes of communication and management.

SIST/TC VAZ Varovanje zdravja

SIST EN ISO 10993-4:2018 SIST EN ISO 10993-4:2009
SIST EN ISO 10993-4:2017

2018-01 (po) (en) 83 str. (M)

Biološko ovrednotenje medicinskih pripomočkov - 4. del: Izbira preskusov za ugotavljanje interakcij s krvjo (ISO 10993-4:2017)

Biological evaluation of medical devices - Part 4: Selection of tests for interactions with blood (ISO 10993-4:2017)

Osnova: EN ISO 10993-4:2017
ICS: 11.100.20

ISO 10993-4:2017 specifies general requirements for evaluating the interactions of medical devices with blood. It describes
a) a classification of medical devices that are intended for use in contact with blood, based on the intended use and duration of contact as defined in ISO 10993-1,
b) the fundamental principles governing the evaluation of the interaction of devices with blood,
c) the rationale for structured selection of tests according to specific categories, together with the principles and scientific basis of these tests.
Detailed requirements for testing cannot be specified because of limitations in the knowledge and precision of tests for evaluating interactions of devices with blood. This document describes biological evaluation in general terms and may not necessarily provide sufficient guidance for test methods for a specific device.
The changes in this document do not indicate that testing conducted according to prior versions of this document is invalid. For marketed devices with a history of safe clinical use, additional testing according to this revision is not recommended.

SIST-TP CEN/TR 16953:2018

2018-01 (po) (en) 23 str. (F)

Medicinske rokavice za enkratno uporabo - Smernice za izbiro

Medical gloves for single use - Guidance for selection

Osnova: CEN/TR 16953:2017
ICS: 13.340.40, 11.140

This Technical Report provides information for those choosing or using sterile and non-sterile gloves for medical applications based on a risk assessment. It deals with gloves worn primarily for the protection of the patient and glove user from biological cross contamination.
NOTE Gloves worn specifically for the protection of the glove user from e.g. chemical and biological hazards are covered by the EU-Directive on Personal Protective Equipment (PPE) and the related standards e.g. EN 16523 1, EN 374-2, EN 374-4, EN ISO 374-1and EN ISO 374-5.
This document describes the rationale behind the requirements of the EN 455 series and explores the possible trade-offs in glove selection between the various factors which affect glove, physical properties, biocompatibility, comfort and sensitivity. The strengths and weaknesses of various alternative glove materials and the potential biological hazards presented by their use are also explored.

SIST/TC VLA Vlaga

SIST EN 13588:2018 SIST EN 13588:2008
2018-01 (po) (en;fr;de) 22 str. (F)
Bitumen in bitumenska veziva - Določanje kohezijskih lastnosti bitumenskih veziv s preskusom z nihalom
Bitumen and bituminous binders - Determination of cohesion of bituminous binders with pendulum test
Osnova: EN 13588:2017
ICS: 75.140, 91.100.50

This European Standard specifies a method for measuring the cohesion of bituminous binders for surface dressing application at temperatures in the range of (- 10 oC) to (+ 80 °C) and for expressing the relationship between cohesion and temperature.
This method is applicable for pure bitumen, modified bitumen and fluxed bitumen; in the case of fluxed bitumen, the test can be performed on the binder containing fluxant or on binder from which the solvent has been removed. For bitumen emulsions, the test is carried out on the residual binder obtained after recovery and the method used to recover the binder should be reported.
WARNING - The use of this European Standard may involve hazardous materials, operations and equipment. This European Standard does not purport to address all of the safety problems associated with its use. It is the responsibility of the user of this European Standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.

SIST/TC VZD Vzdrževanje in obvladovanje premoženja

SIST EN 17007:2018
2018-01 (po) (en;fr;de) 75 str. (L)
Proces vzdrzevanja in z njim povezani kazalniki
Maintenance process and associated indicators
Osnova: EN 17007:2017
ICS: 03.080.10

Maintenance is a process since it consists of organised, coordinated tasks using resources and performed by various players to obtain a given result. This proposal consists in providing a generic description of the maintenance process to allow an understanding of the actions and interactions between processes. It should apply to all systems and all organisations and should therefore be established without a particular organisation in mind and does not aim to propose
The purpose of the breakdown into processes and the representation of their interrelationships is to help maintenance personnel, and particularly management, to
• clearly identify the actions to be taken in order to meet the overall objectives set by Management in terms of maintenance. It provides a breakdown of the maintenance process into several levels, which makes it possible to clearly indicate the nature of the actions at each level of detail;
• delegate responsibilities to ensure the realisation of the identified actions with the required performance levels;
• the necessary inputs and their origin;
• the required results and their intended uses;
processes together and to define indicators and to provide the ability;
• provide the ability to define indicators and scorecards in relation with EN15341 for measuring the realisation of each process and monitoring its effectiveness.
This description of the maintenance process will help maintenance managers by giving them a way to compare their organisation to the generic representation described and to detect insufficient actions, unassigned responsibilities and/or poorly established links.

SIST/TC VZK Vodenje in zagotavljanje kakovosti

SIST EN ISO 15378:2018 SIST EN ISO 15378:2015
2018-01 (po) (en;fr;de) 93 str. (M)
Primarni embalažni materiali za zdravila - Posebne zahteve za uporabo ISO 9001:2015 v povezavi z dobro proizvodno prakso (DPP) (ISO 15378:2017)
Primary packaging materials for medicinal products - Particular requirements for the application of ISO 9001:2015, with reference to good manufacturing practice (GMP) (ISO 15378:2017)
Osnova: EN ISO 15378:2017
ICS: 55.040, 11.040.01, 03.120.10

In addition to ISO 9001, this document specifies Good Manufacturing Practice (GMP) requirements applicable to primary packaging materials for a quality management system where an organization needs to demonstrate its ability to provide primary packaging materials for medicinal products, which consistently meet customer requirements, including regulatory requirements and International Standards.
In this document the term "if appropriate" is used several times. When a requirement is qualified by this phrase, it is deemed to be "appropriate" unless the organization can document a justification otherwise.
This document is an application standard for the design, manufacture and supply of primary packaging materials for medicinal products.

SIST ISO 10006:2018 SIST ISO 10006:2004
2018-01 (po) (en;fr) 40 str. (H)
Sistemi vodenja kakovosti - Smernice za vodenje kakovosti projektov
Quality management - Guidelines for quality management in projects
Osnova: ISO 10006:2017
ICS: 03.100.70, 03.120.10

This document gives guidelines for the application of quality management in projects.
It is applicable to organizations working on projects of varying complexity, small or large, of short or long duration, being an individual project to being part of a programme or portfolio of projects, in different environments, and irrespective of the kind of product/service or process involved, with the intention of satisfying project interested parties by introducing quality management in projects. This can necessitate some tailoring of the guidance to suit a particular project.
This document is not a guide to project management itself. Guidance on quality in project management processes is presented in this document. Guidance on project management and related processes is covered in ISO 21500.
This document addresses the concepts of both "quality management in projects" and "quality management systems in projects". These are distinguished by being addressed separately by the following topics and clauses:
— quality management in projects includes: quality management systems in projects (Clause 4); management responsibility in projects (Clause 5); resource management in projects (Clause 6); product/service realization in projects (Clause 7); and measurement, analysis and improvement in
projects (Clause 8);
— quality management systems in projects includes: project characteristics (4.1); quality management principles in projects (4.2); project quality management processes (4.3); and a quality plan for the project (4.4).

SIST/TC ŽEN Železniške električne naprave

SIST EN 50126-1:2018 SIST EN 50126-1:2001
SIST EN 50126-1:2001/AC:2013

2018-01 (po) (en) 103 str. (N)

Železniške naprave - Specifikacija in prikaz zanesljivosti, razpoložljivosti, vzdrževalnosti in varnosti (RAMS) - 1. del: Generični procesi RAMS

Railway Applications - The Specification and Demonstration of Reliability, Availability, Maintainability and Safety (RAMS) - Part 1: Generic RAMS Process

Osnova: EN 50126-1:2017
ICS: 03.120.01, 45.020

The part 1 of EN 50126
* considers RAMS, understood as reliability, availability, maintainability and safety and their interaction;
* considers the generic aspects of the RAMS life-cycle. The guidance in this part is still applicable in the application of specific standards;
* defines
- a process, based on the system life-cycle and tasks within it, for managing RAMS;
- a systematic process, tailorable to the type and size of system under consideration, for specifying requirements for RAMS and demonstrating that these requirements are achieved;
* addresses railway specifics;
* enables conflicts between RAMS elements to be controlled and managed effectively;
* does not define
- RAMS targets, quantities, requirements or solutions for specific railway applications;
- rules or processes pertaining to the certification of railway products against the requirements of this standard;
- an approval process by the safety authority;
* does not specify requirements for ensuring system security.
The part 1 of EN 50126 is applicable
* to the specification and demonstration of RAMS for all railway applications and at all levels of such an application, as appropriate, from complete railway systems to major systems and to individual and combined sub-systems and components within these major systems, including those containing software; in particular:
- to new systems;
- to new systems integrated into existing systems accepted prior to the creation of this standard, but only to the extent and insofar as the new system with the new functionality is being integrated. It is otherwise not applicable to any unmodified aspects of the existing system;
- as far as reasonably practicable, to modifications and extensions of existing systems accepted prior to the creation of this standard, but only to the extent and insofar as existing systems are being modified. it is otherwise not applicable to any unmodified aspect of the existing system;
* at all relevant phases of the life-cycle of an application;
* for use by railway duty holders and the railway suppliers.
It is not required to apply this standard to existing systems including those systems already compliant with any version of former EN 50126, which remain unmodified. Railway applications mean Command, Control & Signalling, Rolling Stock and Fixed Installations.
Processes for the specification and demonstration of RAMS requirements are cornerstones of this standard. This European Standard promotes a common understanding and approach to the management of RAMS.
The process defined by this European Standard assumes that railway duty holders and railway suppliers have business-level policies addressing Quality, Performance and Safety. The approach defined in this standard is consistent with the application of quality management requirements contained within the ISO 9001.

SIST EN 50126-2:2018 SIST-TP CLC/TR 50126-2:2007
2018-01 (po) (en) 77 str. (L)
Železniške naprave - Specifikacija in prikaz zanesljivosti, razpoložljivosti, vzdrževalnosti in varnosti (RAMS) - 2. del: Sistemski pristop k varnosti
Railway Applications - The Specification and Demonstration of Reliability, Availability, Maintainability and Safety (RAMS) - Part 2: Systems Approach to Safety
Osnova: **EN 50126-2:2017**
ICS: **03.120.01, 45.020**

Part 2 of EN 50126
* considers the safety-related generic aspects of the RAMS life-cycle. The guidance in this part is still applicable in the application of specific standards;
* defines methods and tools which are independent of the actual technology of the systems and subsystems;
* provides:
- the user of the standard with the understanding of the system approach to safety which is a key concept of EN 50126;
- methods to derive the safety requirements and their safety integrity requirements for the system and to apportion them to the subsystems;
- methods to derive the safety integrity levels (SIL) for the safety related electronic functions. Note that this standard does not allow the allocation of safety integrity levels to non-electronic functions.
* provides guidance and methods for the following areas:
- system life-cycles;
- systems safety assurance;
- risk assessment process;
- risk management process;
- application of risk acceptance principles and criteria;
- safety integrity concept.
* provides the user with the methods to assure safety with respect to the system under consideration and its interactions;
* provides guidance about the definition of the system under consideration, including identification of the interfaces and the interactions of this system with its subsystems or other systems, in order to conduct the risk analysis;
* addresses railway specifics;
* does not define:
- RAMS targets targets, quantities, requirements or solutions for specific railway applications;
- rules or processes pertaining to the certification of railway products against the requirements of this standard;
- an approval process by the safety authority.
* does not specify requirements for ensuring system security.
This part 2 of EN 50126 is applicable
* to all systems under consideration - as regards safety - within the entire railway system and the stakeholders involved;
* to the specification and demonstration of safety for all railway applications and at all levels of such an application, as appropriate, from complete railway systems to major systems and to individual and combined sub-systems and components within these major systems, including those containing software; in particular:
- to new systems;
- to new systems integrated into existing systems accepted prior to the creation of this standard, but only to the extent and insofar as the new system with the new functionality is being integrated. It is otherwise not applicable to any unmodified aspects of the existing system;
- as far as reasonably practicable, to modifications and extensions of existing systems accepted prior to the creation of this standard, but only to the extent and insofar as existing systems are being modified. it is otherwise not applicable to any unmodified aspect of the existing system;
- at all relevant phases of the life-cycle of an application;
- for use by railway duty holders and the railway suppliers.

It is not required to apply this standard to existing systems including those systems already compliant with any version of former EN 50126, which remain unmodified. Railway applications mean Command, Control & Signalling, Rolling Stock and Fixed Installations.

SIST EN 50155:2018 SIST EN 50155:2007
SIST EN 50155:2007/AC:2012

2018-01 (po) (en) 105 str. (N)
Železniške naprave - Vozna sredstva - Elektronska oprema
Railway applications - Electronic equipment used on rolling stock
Osnova: EN 50155:2017
ICS: 45.060.01

This draft European Standard applies to all electronic equipment for control, regulation, protection, diagnostic, supply, etc. installed on rail vehicles.
For the purpose of this draft European Standard, electronic equipment is defined as equipment mainly composed of semiconductor devices and recognized associated components. These components will mainly be mounted on printed boards.
Sensors (current, voltage, speed, etc.) and firing unit printed board assemblies for power electronic devices are covered by this standard. Complete firing units and electronic power circuits are covered by EN 61287-1.
This draft European Standard covers the conditions of operation, design requirements, documentation, and testing of electronic equipment, as well as basic hardware and software requirements considered necessary for compliant and reliable equipment.
Specific requirements related to practices necessary to ensure defined levels of functional safety will be determined in accordance with relevant railway safety standards.
Subject to the paragraph above, software is within the scope of this standard until a suitable standard for software on board rolling stock is available.
NOTE A standard for software on board rolling stock (except for software for train control and protection) is under development.

SIST EN 50343:2014/A1:2018
2018-01 (po) (en) 3 str. (A)
Železniške naprave - Vozna sredstva - Pravila za inštaliranje kablov
Railway applications - Rolling stock - Rules for installation of cabling
Osnova: EN 50343:2014/A1:2017
ICS: 45.060.01

Dopolnilo A1:2018 je dodatek k standardu SIST EN 50343:2014.
EN 50343 določa zahteve za inštaliranje kablov na železniških vozilih in v električnih ohišjih na železniških vozilih, vključno z vlaki na magnetni blazini in trolejbusi. Ta evropski standard zajema kable za ustvarjanje električnih vezav med predmeti električne opreme, vključno s kabli, zbiralčnimi vodili, terminali in napravami z vtičem/vtičnico. Ne vključuje vodnikov za posebne učinke, kot so kabli optičnih vlaken ali votli vodniki (valovodi). Kriteriji za izbiro materiala v tem standardu veljajo za kable z bakrenimi vodniki. Ta evropski standard se ne uporablja za: - vozila za posebne namene, kot so stroji za polaganje tirnic, odstranjevalci balasta in vozila za prevoz osebja; - vozila za zabavo na sejmih; - vozila za uporabo v rudnikih; električna vozila; - vzpenjače. Ker kable v voznih sredstvih obravnava tudi standard za proizvajalce kablov, standard navaja serije EN 50264, EN 50306, EN 50382 in EN 50355. Ta evropski standard se uporablja v povezavi z ustreznim izdelkom in standardi namestitve. Morda so potrebne strožje zahteve od zahtev iz tega evropskega standarda.

SIST EN 50463-1:2018 SIST EN 50463-1:2013
2018-01 (po) (en) 23 str. (F)
Železniške naprave - Merjenje energije na vlaku - 1. del: Splošno
Railway applications - Energy measurement on board trains - Part 1: General
Osnova: EN 50463-1:2017
ICS: 45.060.10

This draft European Standard describes the primary purpose of the EMS, which is to meter energy consumption for billing and provide compiled energy billing data (CEBD) to a DCS. The EMS may also be used for other functions such as energy management. In addition, this draft European Standard also describes the primary purpose of a DCS and its interactions with an EMS and settlement system.
This part of EN 50463:
- gives requirements for the complete Energy Measurement System and also requirements for all devices implementing one or more functions of the Energy Measurement System;
- applies to newly manufactured Energy Measurement Systems for use on board railway traction units, powered by a.c. and/or d.c. supply voltages as listed in EN 50163;
- does not apply to portable Energy Measurement Systems.

SIST EN 50463-2:2018 SIST EN 50463-2:2013
2018-01 (po) (en) 93 str. (M)
Železniške naprave - Merjenje energije na vlaku - 2. del: Merjenje energije
Railway applications - Energy measurement on board trains - Part 2: Energy measuring
Osnova: EN 50463-2:2017
ICS: 45.060.10

This draft European Standard covers the requirements applicable to the Energy Measurement Function (EMF) of an Energy Measurement System (EMS) for use on board traction units for measurement of energy supplied directly from/to the Contact Line system.
This draft European Standard also gives requirements for the Current Measurement Function (e.g. current sensor), the Voltage Measurement Function (e.g. voltage sensor) and the Energy Calculation Function (e.g. energy meter).
The Conformity Assessment arrangements for the Voltage Measurement Function, Current Measurement Function, the Energy Calculation Function and a complete Energy Measurement Function are also specified in this document.
The standard has been developed taking into account that in some applications the EMF may be subjected to legal metrological control. All relevant metrological aspects are covered in this part.
Figure 2 shows the flow between the functional blocks of the EMF. Only connections between the functional blocks required by this standard are displayed.

SIST EN 50463-3:2018 SIST EN 50463-3:2013
2018-01 (po) (en) 38 str. (H)
Železniške naprave - Merjenje energije na vlaku - 3. del: Ravnanje s podatki
Railway applications - Energy measurement on board trains - Part 3: Data handling
Osnova: EN 50463-3:2017
ICS: 45.060.10

This draft European Standard covers the requirements applicable to the Data Handling System (DHS) of an Energy Measurement System.
This document also includes the basic requirements for the Data Collection Service on-ground, relating to the acquisition and storage and export of Compiled Energy Billing Data.
The Conformity Assessment arrangements for the DHS and the DCS are specified in this document.
The settlement system is outside the scope of this standard, and the specification of the interface between DCS and settlement system is outside the scope of this standard.

SIST EN 50463-4:2018 SIST EN 50463-4:2013
2018-01 (po) (en) 165 str. (P)
Železniške naprave - Merjenje energije na vlaku - 4. del: Komunikacija
Railway applications - Energy measurement on board trains - Part 4: Communication
Osnova: **EN 50463-4:2017**
ICS: **45.060.10**

This draft European Standard applies to the on board and on board to ground communication services, i.e. it covers the data communication using digital interfaces:
a) between functions implemented within the EMS;
b) between EMS function and other on board subsystems;
c) between EMS and ground communication services.
The on board data communication services of the EMS are covering the data exchange between functions of the EMS and the data exchange between EMS and other on board units, where data are exchanged using a communications protocol stack over a dedicated physical interface or a shared communication network.
The on board to ground communication services are covering the wireless data communication between the DHS and the on ground server.
Furthermore, this document includes conformity assessment requirements.

SIST EN 50463-5:2018 SIST EN 50463-5:2013
2018-01 (po) (en) 24 str. (F)
Železniške naprave - Merjenje energije na vlaku - 5. del: Ugotavljanje skladnosti
Railway applications - Energy measurement on board trains - Part 5: Conformity assessment
Osnova: **EN 50463-5:2017**
ICS: **03.120.20, 45.060.10**

This draft European Standard specifies the conformity assessment arrangements for newly manufactured EMS installed on a traction unit. This includes the integration conformity assessment and installation conformity assessment. In addition, this document also specifies the conformity assessment procedures for device and ancillary component replacement (e.g. due to damage in service), and periodic check to verify the EMS conformity assessment remains valid.
This draft European Standard does not include elements related to conformity assessment aspects other than design review and testing provisions for the products, processes or services specified. Consequently, this part does not delete, change or interpret the general requirements for conformity assessment procedures and vocabulary detailed in EN/ISO/IEC 17000.
This draft European Standard does not cover the conformity assessment schemes that, according to CENELEC Internal Regulations, are the responsibility of ISO policy committee "Committee on conformity assessment" (ISO/CASCO).

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

SIST EN 62386-301:2018
2018-01 (po) (en) 24 str. (F)
Digitalni naslovljivi vmesnik za razsvetljavo - 301. del: Posebne zahteve - Vhodne naprave - Tipke (IEC 62386-301:2017)
Digital addressable lighting interface - Part 301: Particular requirements - Input devices - Push buttons (IEC 62386-301:2017)
Osnova: **EN 62386-301:2017**
ICS: **35.200, 29.140.50**

This part of IEC 62386 specifies a bus system for control by digital signals of electronic lighting equipment which is in line with the requirements of IEC 61347, with the addition of DC supplies.
This document is only applicable to IEC 62386-103:2014 and IEC 62386103:

2014/AMD1:—
input devices that make the lighting control system sensitive to push button operations.
NOTE Requirements for testing individual products during production are not included.

SIST EN 62386-302:2018
2018-01 (po) (en) 24 str. (F)
Digitalni naslovljivi vmesnik za razsvetljavo - 302. del: Posebne zahteve - Vhodne naprave - Absolutne vhodne naprave (IEC 62386-302:2017)
Digital addressable lighting interface - Part 302: Particular requirements - Input devices - Absolute input devices (IEC 62386-302:2017)
Osnova: EN 62386-302:2017
ICS: 35.200, 29.140.50

This part of IEC 62386 specifies a bus system for control by digital signals of electronic lighting equipment which is in line with the requirements of IEC 61347, with the addition of DC supplies. This document is only applicable to IEC 62386-103:2014 and IEC 62386103:
2014/AMD1:—
input devices that make the lighting control system sensitive to absolute input devices such as switches or sliders. An absolute input device always has a deterministic state, such as a position between start and end point.
NOTE Requirements for testing individual products during production are not included.

SIST EN 62386-303:2018
2018-01 (po) (en) 25 str. (F)
Digitalni naslovljivi vmesnik za razsvetljavo - 303. del: Posebne zahteve - Vhodne naprave - Tipalo zasedenosti (IEC 62386-303:2017)
Digital addressable lighting interface - Part 303: Particular requirements - Input devices - Occupancy sensor (IEC 62386-303:2017)
Osnova: EN 62386-303:2017
ICS: 35.200, 29.140.50

This part of IEC 62386 specifies a bus system for control by digital signals of electronic lighting equipment which is in line with the requirements of IEC 61347, with the addition of DC supplies. This document is only applicable to IEC 62386-103:2014 and IEC 62386103:
2014/AMD1:—
input devices that deliver occupancy information to the lighting control system through movement or presence sensing.
NOTE Requirements for testing individual products during production are not included.

SIST EN 62386-304:2018
2018-01 (po) (en) 23 str. (F)
Digitalni naslovljivi vmesnik za razsvetljavo - 304. del: Posebne zahteve - Vhodne naprave - Svetlobna tipala (IEC 62386-304:2017)
Digital addressable lighting interface - Part 304: Particular requirements - Input devices - Light sensor (IEC 62386-304:2017)
Osnova: EN 62386-304:2017
ICS: 35.200, 29.140.50

This part of IEC 62386 specifies a bus system for control by digital signals of electronic lighting equipment which is in line with the requirements of IEC 61347, with the addition of DC supplies. This document is only applicable to IEC 62386-103:2014 and IEC 62386103:
2014/AMD1:—
input devices that deliver illuminance level information to the lighting control system through light level sensing.
NOTE Requirements for testing individual products during production are not included.

SIST EN 50645:2018
2018-01 (po) (en) 10 str. (C)
Zahteve za okoljsko primerno zasnovo majhnih močnostnih transformatorjev
Ecodesign requirements for small power transformers
Osnova: **EN 50645:2017**
ICS: **13.020.99, 29.180**

This European Standard gives Ecodesign requirements for small power transformers complying with the EN 61558 series and in relation to Commission Regulation (EU) N° 548/2014 implementing the European Directive 2009/125/EC.
This European Standard is applicable to transformers with 50 Hz AC input and output with a rated power of 1 kVA or more and a voltage lower than 1 kV, except those excluded in the regulation.
For transformers with a voltage between 1 kV and 1,1 kV, this standard may be used as a guide.

SIST EN 60286-1:2018 SIST EN 60286-1:2002
2018-01 (po) (en) 15 str. (D)
Pakiranje komponent za avtomatsko ravnanje - 1. del: Trakanje komponent z osnimi izvodi/priključki na neprekinjenih trakovih (IEC 60286-1:2017)
Packaging of components for automatic handling - Part 1: Tape packaging of components with axial leads on continuous tapes (IEC 60286-1:2017)
Osnova: **EN 60286-1:2017**
ICS: **55.060, 31.020**

This part of IEC 60286 applies to the tape packaging of components with axial leads for use in electronic equipment. In general, the tape is applied to the component leads.
It covers requirements for taping techniques used with equipment for the preforming of leads, automatic handling, insertion and other operations, and includes only those dimensions which are essential to the taping of components intended for the above-mentioned purposes.

SIST EN 60679-1:2018 SIST EN 60679-1:2008
2018-01 (po) (en) 39 str. (H)
Piezoelektrični, dielektrični in elektrostatični oscilatorji ocenjene kakovosti - 1. del: Rodovna specifikacija (IEC 60679-1:2017)
Piezoelectric, dielectric and electrostatic oscillators of assessed quality - Part 1: Generic specification (IEC 60679-1:2017)
Osnova: **EN 60679-1:2017**
ICS: **31.140**

This part of IEC 60679 specifies general requirements for piezoelectric, dielectric and electrostatic oscillators, including Dielectric Resonator Oscillators (DRO) and oscillators using FBAR (hereinafter referred to as "Oscillator"), of assessed quality using either capability approval or qualification approval procedures.
NOTE Dielectric Resonator Oscillators (DRO) and oscillators using FBAR are under consideration.

SIST EN 60747-16-4:2005/A2:2018
2018-01 (po) (en) 7 str. (B)
Polprevodniški elementi - 16-4. del: Mikrovalovna integrirana vezja - Stikala - Dopolnilo A2 (IEC 60747-16-4:2004/A2:2017)
Semiconductor devices - Part 16-4: Microwave integrated circuits - Switches (IEC 60747-16-4:2004/A2:2017)
Osnova: **EN 60747-16-4:2004/A2:2017**
ICS: **31.200, 31.080.01**

Dopolnilo A2:2018 je dodatek k standardu SIST EN 60747-16-4:2005.
This part of IEC 60747 provides new measuring methods, terminology and letter symbols, as well as essential ratings and characteristics for integrated circuit microwave switches.
There are many combinations for RF ports in switches, such as SPST (single pole single throw), SPDT (single pole double throw), SP3T (single pole triple throw), DPDT (double pole double throw), etc. Switches in this standard are based on SPDT. However, this standard is applicable to the other types of switches.

SIST EN 60317-0-7:2018 SIST EN 60317-0-7:2012
2018-01 (po) (en) 27 str. (G)
Specifikacije za posebne vrste navijalnih žic - 0-7. del: Splošne zahteve - Popolnoma izolirana in brezhibno lakirana okrogla bakrena žica (IEC 60317-0-7:2017)
Specifications for particular types of winding wires - Part 0-7: General requirements - Fully insulated (FIW) zero-defect enamelled round copper wire (IEC 60317-0-7:2017)
Osnova: EN 60317-0-7:2017
ICS: 29.060.10

This part of IEC 60317 establishes general requirements for fully insulated (FIW) zero-defect enamelled round copper wires.
The nominal conductor diameter range is given in the relevant technical specification.

SIST EN 60317-56:2018 SIST EN 60317-56:2012
2018-01 (po) (en) 14 str. (D)
Specifikacije za posebne vrste navijalnih žic - 56. del: Spajkljive, popolnoma izolirane in s poliuretanom brezhibno pološčene okrogle bakrene žice, razred 180 (IEC 60317-56:2017)
Specifications for particular types of winding wires - Part 56: Solderable fully insulated (FIW) zero-defect polyurethane enamelled round copper wire, class 180 (IEC 60317-56:2017)
Osnova: EN 60317-56:2017
ICS: 77.150.30, 29.060.10

This part of IEC 60317 specifies the requirements of solderable fully insulated (FIW) zerodefect enamelled round copper wire, class 180, with a single coating based on polyurethane resin, which may be modified providing it retains its chemical identity and satisfies all the required technical specifications.
The range of nominal conductor diameters of the wires covered by this standard is as follows:
• Grade of FIW 4, 6, 8: 0,090 mm up to and including 0,900 mm.
Nominal conductor diameters are specified in IEC 60317-0-7–.

SIST EN 61788-22-1:2018
2018-01 (po) (en) 30 str. (G)
Superprevodnost - 22-1. del: Superprevodne elektronske naprave - Splošna specifikacija za senzorje in javljalnike (IEC 61788-22-1:2017)
Superconductivity - Part 22-1: Superconducting electronic devices - Generic specification for sensors and detectors (IEC 61788-22-1:2017)
Osnova: EN 61788-22-1:2017
ICS: 17.220.20, 29.050

This part of IEC 61788-22-1 describes general items concerning the specifications for superconducting sensors and detectors, which are the basis for specifications given in other parts of IEC 61788 for various types of sensors and detectors. The sensors and detectors described are basically made of superconducting materials and depend on superconducting phenomena or related phenomena. The objects to be measured (measurands) include magnetic fields, electromagnetic waves, photons of various energies, electrons, ions, α-particles, and others.

SIST EN 62282-3-201:2018 SIST EN 62282-3-201:2014
2018-01 (po) (en) 79 str. (L)
Tehnologije gorivnih celic - 3-201. del: Nepremični elektroenergetski sistemi z gorivnimi celicami - Metode za preskušanje zmogljivosti majhnih elektroenergetskih sistemov z gorivnimi celicami (IEC 62282-3-201:2017)
Fuel cell technologies - Part 3-201: Stationary fuel cell power systems - Performance test methods for small fuel cell power systems (IEC 62282-3-201:2017)
Osnova: **EN 62282-3-201:2017**
ICS: **27.070**

This part of IEC 62282 provides test methods for the electrical, thermal and environmental performance of small stationary fuel cell power systems that meet the following criteria:
• output: rated electric power output of less than 10 kW;
• output mode: grid-connected/independent operation or stand-alone operation with singlephase AC output or 3-phase AC output not exceeding 1 000 V, or DC output not exceeding 1 500 V;
NOTE The limit of 1 000 V for alternating current comes from the definition for "low voltage" given in IEC 60050-601:1985, 601-01-26.
• operating pressure: maximum allowable working pressure of less than 0,1 MPa (gauge) for the fuel and oxidant passages;
• fuel: gaseous fuel (natural gas, liquefied petroleum gas, propane, butane, hydrogen, etc.) or liquid fuel (kerosene, methanol, etc.);
• oxidant: air.
This document describes type tests and their test methods only. No routine tests are required or identified, and no performance targets are set in this document.
This document covers fuel cell power systems whose primary purpose is the production of electric power and whose secondary purpose may be the utilization of heat. Accordingly, fuel cell power systems for which the use of heat is primary and the use of electric power is secondary are outside the scope of this document.
All systems with integrated batteries are covered by this document. This includes systems where batteries are recharged internally or recharged from an external source.
This document does not cover additional auxiliary heat generators that produce thermal energy.

SIST EN 62765-1:2018
2018-01 (po) (en;fr;de) 30 str. (G)
Jedrske elektrarne - Instrumenti in krmilje, pomembni za varnost - Upravljanje staranja senzorjev in oddajnikov - 1. del: Dajalniki tlaka (IEC 62765-1:2015)
Nuclear powers plants - Instrumentation and control important to safety - Management of ageing of sensors and transmitters - Part 1: Pressure transmitters (IEC 62765-1:2015)
Osnova: **EN 62765-1:2017**
ICS: **27.120.20**

This part of IEC 62765 provides strategies, technical requirements, and recommended practices for the management of ageing to ensure that ageing of pressure transmitters important to safety in nuclear power plants (NPPs) can be identified and that suitable remedial actions are undertaken as necessary to demonstrate that the safety of the plant will not be impaired. This standard is aligned with the IEC 62342 standards, which provides guidance on ageing management for I&C systems important to safety in NPPs. This standard, IEC 62765-1, is the first part for pressure transmitters in the IEC 62765 sensor and transmitter series for pressure, temperature, neutron and other sensors. This standard deals with analogue electronic pressure transmitters, which have an electrical signal output that is a function of pressure applied on the sensing part, and which are included in I&C systems important to safety in accordance with IAEA terminology.
Any software used for data acquisition, data qualification, or data analysis for transmitter testing or condition monitoring system for pressure transmitter is classified according to IEC 62138 depending on its functionality as specified in IEC 61226. The qualification of the software for the digital data processing is beyond the scope of this standard.

Additional condition monitoring system for ageing management of the pressure transmitters is classified according to IEC 61226 with respect to its functionality. If classified, the software installed in the monitoring system complies with IEC 62138 for its B or C categorised function.
Regarding environmental qualification, the requirements of IEC 60780 apply. For assessing the performance of transmitters in the safety system instrument channel, the IEC 62385 methods, IEC 61888 requirements and IEC 60671 surveillance testing requirements apply.
Pressure measurements may be used for the measurement of other parameters that can be related to pressure, e.g., level or flow. Interfaces which include sensing lines, condensing pots, and primary (e.g., flow) elements between process and transmitters are within the scope of this standard.

SS SPL Strokovni svet SIST za splošno področje

SIST EN 4702-02:2018
2018-01 (po) (en;fr;de) 6 str. (B)
Aeronavtika - Sponční sistemi za hitro sprostitev za nestrukturno uporabo in notranje obloge - 02. del: Kombinacija vzmetna objemka-stojni vijak
Aerospace series - Quick release fastening systems for non-structural and lining applications - Part 02: Spring clamp stud combination
Osnova: EN 4702-02:2017
ICS: 49.030.20

This European Standard describes the compilation of the component system the spring clip pin family for use in fuselage interior equipment and in non-structural or secondary structural area for aerospace applications.

SIST EN 4702-03:2018
2018-01 (po) (en;fr;de) 13 str. (D)
Aeronavtika - Sponční sistemi za hitro sprostitev za nestrukturno uporabo in notranje obloge - 03. del: Stojni vijak - hitro sproščanje in zapiranje
Aerospace series - Quick release fastening systems for non-structural and lining applications - Part 03: Stud - quick-release and locking
Osnova: EN 4702-03:2017
ICS: 49.030.20

This European Standard specifies the dimensions, mass, tolerances and static values of stud – quickrelease and locking for use in fuselage interior equipment and non-structural or secondary structural area.

SIST EN 4702-04:2018
2018-01 (po) (en;fr;de) 8 str. (B)
Aeronavtika - Sponční sistemi za hitro sprostitev za nestrukturno uporabo in notranje obloge - 04. del: Vzmetna objemka
Aerospace series - Quick release fastening systems for non-structural and lining applications - Part 04: Spring clamp
Osnova: EN 4702-04:2017
ICS: 49.030.99

This standard describes the dimensions, mass, tolerances and static values of quick-release and locking – clamps for use in fuselage interior equipment and non-structural or secondary structural area.

SIST EN 4702-05:2018
2018-01 (po) (en;fr;de) 11 str. (C)
Aeronavtika - SponČni sistemi za hitro sprostitev za nestrukturno uporabo in notranje obloge - 05. del: Zadrževalna podložka
Aerospace series - Quick release fastening systems for non-structural and lining applications - Part 05: Retaining washer
Osnova: EN 4702-05:2017
ICS: 49.030.50

The standard specifies the dimensions, mass tolerances of quick-release and locking – washers for use in fuselage interior equipment and non-structural or secondary structural area.

SIST EN 9117:2018
2018-01 (po) (en;fr;de) 12 str. (C)
Aeronavtika - Delegirano preverjanje puščanja izdelka v uporabo
Aerospace series - Delegated Product Release Verification
Osnova: EN 9117:2017
ICS: 49.020

This standard specifies requirements for DPRV to establish common product / service requirements for use at all levels of the supply chain. This standard shall apply when an organization elects to delegate
product release verification by contractual flow down to their supplier (reference EN 9100 and EN 9110 standards); to perform product acceptance on their behalf.
The delegating organization shall use this standard as the baseline for establishing a DPRV process,
although they may include additional contract requirements to meet their specific needs.
This standard is intended for use by organizations that produce and/or provide aviation, space, and
defence products, including organizations providing maintenance, spare parts, materials, and services.
It is emphasized that the requirements specified in this standard are complementary, not alternative, to contractual and applicable statutory and regulatory requirements. Should there be a conflict between the requirements of this standard and applicable contractual, statutory, or regulatory requirements, the latter shall take precedence.

Razveljavitev slovenskih standardov

SIST/TC	Razveljavljeni dokument	Leto razveljavitve	Zamenjan z dokumentom
AKU	SIST EN ISO 10848-2:2006	2018-01	SIST EN ISO 10848-2:2018
AKU	SIST EN ISO 10848-2:2006/AC:2007	2018-01	SIST EN ISO 10848-2:2018
AKU	SIST EN ISO 10848-4:2010	2018-01	SIST EN ISO 10848-4:2018
CES	SIST EN 12697-13:2002	2018-01	SIST EN 12697-13:2018
CES	SIST EN 12697-13:2002/AC:2002	2018-01	SIST EN 12697-13:2018

SIST/TC	Razveljavljeni dokument	Leto razveljavitve	Zamenjan z dokumentom
CES	SIST EN 12697-23:2004	2018-01	SIST EN 12697-23:2018
EAL	SIST EN 50133-1:1999	2018-01	SIST EN 60839-11-1:2013
EAL	SIST EN 50133-1:1999/A1:2003	2018-01	SIST EN 60839-11-1:2013
EAL	SIST EN 50133-2-1:2001	2018-01	SIST EN 60839-11-1:2013
EDO	SIST EN 61175:2006	2018-01	
EMC	SIST EN 55016-1-5:2005	2018-01	SIST EN 55016-1-5:2015
EMC	SIST EN 55016-1-5:2005/A1:2013	2018-01	SIST EN 55016-1-5:2015
EXP	SIST EN 60079-5:2008	2018-01	
IHPV	SIST EN 12627:2000	2018-01	SIST EN 12627:2018
IHPV	SIST EN 593:2009+A1:2014	2018-01	SIST EN 593:2018
IKER	SIST EN 12440:2008	2018-01	SIST EN 12440:2018
IOVO	SIST EN 1406:2009	2018-01	SIST EN 1406:2018
IPKZ	SIST EN ISO 9717:2014	2018-01	SIST EN ISO 9717:2018
IRUD	SIST ISO 14180:2000	2018-01	
IRUD	SIST ISO 15901-1:2006	2018-01	
IRUD	SIST ISO 647:1998	2018-01	
IRUD	SIST ISO 7404-4:1998	2018-01	
IRUD	SIST ISO 9033:2000	2018-01	
ISS EIT.ERE	SIST EN 50205:2002	2018-01	SIST EN 61810-3:2015
ISS EIT.ERE	SIST EN 61810-1:2008	2018-01	SIST EN 61810-1:2015
ISTP	SIST EN 13126-8:2006	2018-01	SIST EN 13126-8:2018
ITC	SIST ENV 12537-1:2003	2018-01	
ITC	SIST-TP CEN/TR 15640:2009	2018-01	
ITC	SIST-TP CR 13694:2003	2018-01	
ITC	SIST-TS CEN/TS 15260:2006	2018-01	
iTEL	SIST EN 60793-1-43:2004	2018-01	SIST EN 60793-1-43:2015
ITIV	SIST EN 123600:2001	2018-01	
ITIV	SIST EN 123700:2001	2018-01	
ITIV	SIST EN 61191-2:2001	2018-01	SIST EN 61191-2:2014
KAT	SIST EN 13368-2:2013	2018-01	SIST EN 13368-2:2018
KAT	SIST EN 14069:2004	2018-01	SIST EN 14069:2018
KAT	SIST EN ISO 11508:2014	2018-01	SIST EN ISO 11508:2018
KAT	SIST ISO 11508:2002	2018-01	SIST EN ISO 11508:2018
KAV	SIST DIN 38409-20:2000	2018-01	
KAV	SIST ISO 9696:2010	2018-01	SIST EN ISO 9696:2018

SIST/TC	Razveljavljeni dokument	Leto razveljavitve	Zamenjan z dokumentom
KAZ	SIST EN 13284-1:2002	2018-01	SIST EN 13284-1:2018
KDS	SIST EN 12791:2016	2018-01	SIST EN 12791:2016+A1:2018
LES	SIST EN 13227:2003/AC:2007	2018-01	SIST EN 13227:2018
LLZ	SIST EN 13227:2003	2018-01	SIST EN 13227:2018
LLZ	SIST EN 14298:2005	2018-01	SIST EN 14298:2018
MOV	SIST EN 61010-2-081:2003	2018-01	
MOV	SIST EN 61010-2-081:2003/A1:2004	2018-01	
OVP	SIST EN 342:2004	2018-01	SIST EN 342:2018
OVP	SIST EN 342:2004/AC:2008	2018-01	SIST EN 342:2018
PCV	SIST EN 1053:1997	2018-01	SIST EN ISO 13254:2018
PCV	SIST EN 1054:1997	2018-01	SIST EN ISO 13255:2018
PCV	SIST EN 12061:2000	2018-01	SIST EN ISO 13263:2018
PCV	SIST EN 1411:1997	2018-01	SIST EN ISO 11173:2018
PCV	SIST EN 1451-1:1999	2018-01	SIST EN 1451-1:2018
PCV	SIST EN 1979:2000	2018-01	SIST EN ISO 13262:2018
PCV	SIST-TS CEN/TS 15223:2008	2018-01	SIST-TS CEN/TS 15223:2018
PLN	SIST EN 304:1997	2018-01	SIST EN 304:2018
PLN	SIST EN 304:1997/A1:1999	2018-01	SIST EN 304:2018
PLN	SIST EN 304:1997/A2:2004	2018-01	SIST EN 304:2018
POZ	SIST EN 15882-1:2012	2018-01	SIST EN 15882-1:2012+A1:2018
PPV	SIST EN 14450:2005	2018-01	SIST EN 14450:2018
SPO	SIST EN 1176-1:2008	2018-01	SIST EN 1176-1:2018
SPO	SIST EN 1176-2:2008	2018-01	SIST EN 1176-2:2018
SPO	SIST EN 1176-3:2008	2018-01	SIST EN 1176-3:2018
SPO	SIST EN 1176-4:2008	2018-01	SIST EN 1176-4:2018
SPO	SIST EN 1176-6:2008	2018-01	SIST EN 1176-6:2018
TLP	SIST CEN/TR 13480-7:2002	2018-01	SIST-TP CEN/TR 13480-7:2018
TLP	SIST EN 13480-1:2012	2018-01	SIST EN 13480-1:2018
TLP	SIST EN 13480-2:2012	2018-01	SIST EN 13480-2:2018
TLP	SIST EN 13480-2:2012/A1:2013	2018-01	SIST EN 13480-2:2018
TLP	SIST EN 13480-2:2012/A2:2017	2018-01	SIST EN 13480-2:2018
TLP	SIST EN 13480-3:2012	2018-01	SIST EN 13480-3:2018
TLP	SIST EN 13480-3:2012/A1:2018	2018-01	SIST EN 13480-3:2018
TLP	SIST EN 13480-4:2012	2018-01	SIST EN 13480-4:2012/A5:2018 SIST EN 13480-4:2018

SIST/TC	Razveljavljeni dokument	Leto razveljavitve	Zamenjan z dokumentom
TLP	SIST EN 13480-4:2012/A1:2013	2018-01	SIST EN 13480-4:2018
TLP	SIST EN 13480-4:2012/A2:2016	2018-01	SIST EN 13480-4:2018
TLP	SIST EN 13480-4:2012/A3:2017	2018-01	SIST EN 13480-4:2018
TLP	SIST EN 13480-4:2012/A4:2017	2018-01	SIST EN 13480-4:2018
TLP	SIST EN 13480-4:2012/A5:2018	2018-01	SIST EN 13480-4:2018
TLP	SIST EN 13480-5:2012	2018-01	SIST EN 13480-5:2018
TLP	SIST EN 13480-5:2012/A1:2013	2018-01	SIST EN 13480-5:2018
TLP	SIST EN 13480-5:2012/A2:2017	2018-01	SIST EN 13480-5:2018
TLP	SIST EN 13480-5:2012/A3:2017	2018-01	SIST EN 13480-5:2018
TLP	SIST EN 13480-6:2012	2018-01	SIST EN 13480-6:2018
TLP	SIST EN 13480-6:2012/A1:2017	2018-01	SIST EN 13480-6:2018
TLP	SIST EN 13480-8:2012	2018-01	SIST EN 13480-8:2018
TLP	SIST EN 13480-8:2012/A1:2014	2018-01	SIST EN 13480-8:2018
TLP	SIST EN 13480-8:2012/A2:2015	2018-01	SIST EN 13480-8:2018
TRS	SIST EN ISO 13567-1:2003	2018-01	SIST EN ISO 13567-1:2018
TRS	SIST EN ISO 13567-2:2003	2018-01	SIST EN ISO 13567-2:2018
VAZ	SIST EN ISO 10993-4:2017	2018-01	SIST EN ISO 10993-4:2018
VLA	SIST EN 13588:2008	2018-01	SIST EN 13588:2018
VSN	SIST EN 27243:2001	2018-01	SIST EN ISO 7243:2018
VZK	SIST EN ISO 15378:2015	2018-01	SIST EN ISO 15378:2018
VZK	SIST ISO 10006:2004	2018-01	SIST ISO 10006:2018
SS EIT	SIST EN 140100:2002	2018-01	SIST EN 140100:2008
SS EIT	SIST EN 140100:2002/A1:2002	2018-01	SIST EN 140100:2008

SLOVENSKI INŠTITUT ZA STANDARDIZACIJO

Šmartinska c. 152
1000 Ljubljana
tel. 01 478 30 13
faks. 01 478 30 94
e-pošta: sist@sist.si

Kontaktna točka
tel. 01 478 30 68
faks. 01 478 30 98
e-pošta: info@sist.si

Prodaja
tel. 01 478 30 63
faks. 01 478 30 97
e-pošta: prodaja@sist.si

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 1/2018

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.