Izvlečki

10 • 2017

Slovenski inštitut za standardizacijo
Slovenian Institute for Standardization

Sporočila • *Messages*

ISSN 1854-1631

10

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 – oktober 2017

SIST/TC BBB Beton, armirani beton in prednapeti beton

SIST EN 13670:2010/A101:2010/AC:2017
2017-10 (izv) (sl) 2 str. (AC)
Izvajanje betonskih konstrukcij - Nacionalni dodatek - Popravek AC
Execution of concrete structures - National Annex - Corrigendum AC
ICS: 91.080.40

Popravek k standardu SIST EN 13670:2010.
(1)Ta evropski standard podaja skupne zahteve za izvajanje betonskih konstrukcij in velja za dela in situ ter za gradnjo z uporabo montažnih betonskih elementov. (2) Ta standard pričakuje, da specifikacija izvajanja navaja vse specifične zahteve, pomembne za določeno konstrukcijo. (3) Ta standard velja za stalne in začasne betonske konstrukcije. (4) Preučiti je treba dodatne ali drugačne zahteve in jih po potrebi navesti v specifikaciji izvajanja, kadar se uporabljajo: a) lahki agregati za beton, b) drugi materiali (npr. vlakna) ali sestavni materiali, c) posebne tehnologije/inovativne zasnove. (5) Ta standard ne velja za betonske elemente, ki se uporabljajo le kot oprema ali gradbena pomoč pri izvajanju. (6) Ta standard ne zajema specifikacije, proizvodnje in skladnosti betona. (7) Ta standard ne velja za proizvodnjo montažnih betonskih elementov, narejenih v skladu s standardi za proizvode. (8) Ta standard ne zajema varnostnih in zdravstvenih vidikov izvajanja ali varnostnih zahtev tretje strani. (9) Ta standard ne zajema pogodbenih vprašanj ali odgovornosti za opredeljene ukrepe.

SIST/TC CES Ceste

SIST EN 12697-52:2017
2017-10 (po) (en;fr;de) 14 str. (D)
Bitumenske zmesi - Preskusne metode - 52. del: Kondicioniranje za zagotovitev oksidativnega staranja
Bituminous mixtures - Test methods - Part 52: Conditioning to address oxidative ageing
Osnova: CEN/TS 12697-52:2017
ICS: 93.080.20

This European Standard describes two sets of procedures for conditioning of bituminous mixtures in terms of oxidative ageing. Procedures A.1 and A.2 can be applied on loose bituminous mixture before compaction of specimens, procedures B.1 and B.2 on compacted specimens. Material conditioned by this European Standard can be used for further testing to assess the effect of oxidative ageing on characteristics of bituminous mixtures and thus on their durability and recyclability. Alternatively, binder can be extracted from conditioned mixture to assess the effect of oxidative ageing on binder characteristics taking into account potential effects of mineral aggregates on ageing.
This European Standard is applicable to bituminous mixtures manufactured in the laboratory or in a mixing plant. Procedures B.1 and B.2 is applicable to specimens from laboratory production or cores taken from the field.

SIST-TS CEN/TS 12697-51:2017
2017-10 (po) (en;fr;de) 13 str. (D)
Bitumenske zmesi - Preskusne metode - 51. del: Preskus strižne trdnosti površine
Bituminous mixtures - Test methods - Part 51: Surface shear strength test
Osnova: **CEN/TS 12697-51:2017**
ICS: **93.080.20**

This Technical Specification describes a test method for measuring the surface shear strength for airfield surface courses, which is a measure of the robustness of asphalt surface courses against shearing. The surface shear strength will depend on the depth of the surface course together with the properties of the surface course material. The binder course material and any bonding agent applied between the two layers may have an influence on the test result for, in particular, ultra-thin surface course.
NOTE The test was designed for use on airfield runways and taxiways.

SIST/TC EAL Električni alarmi

SIST EN 50398-1:2017 SIST-TS CLC/TS 50398:2009
2017-10 (po) (en;fr) 18 str. (E)
Alarmni sistemi - Kombinirani in integrirani alarmni sistemi - 1. del: Splošne zahteve
Alarm systems - Combined and integrated systems - Part 1: General requirements
Osnova: **EN 50398-1:2017**
ICS: **13.320**

This draft European Standard specifies the requirements for integrating alarm applications with other systems, which may or may not be alarm applications.
This document defines requirements and procedures for essential testing of the specific aspects of the functionality and integrity, related to the integration of the equipment or systems, in order to complement the individual alarm application standards.

SIST-TS CLC/TS 50136-9:2017 SIST-TS CLC/TS 50136-9:2014
2017-10 (po) (en) 55 str. (J)
Alarmni sistemi - Sistemi in oprema za prenos alarma – 9. del: Zahteve za skupni protokol za prenos alarma po internetnem protokolu
Alarm systems - Alarm transmission systems and equipment - Part 9: Requirements for common protocol for alarm transmission using the Internet Protocol (IP)
Osnova: **CLC/TS 50136-9:2017**
ICS: **33.040.40, 13.320**

This Technical Specification specifies a protocol for point-to-point transmission of alarms and faults, as well as communications monitoring, between a Supervised Premises Transceiver and a Receiving Centre Transceiver using the Internet protocol (IP).
The protocol is intended for use over any network that supports the transmission of IP data. These include Ethernet, xDSL, GPRS, WiFi, UMTS and WIMAX.
The system performance characteristics for alarm transmission are specified in EN 50136-1 and EN 50136-1-5.
The performance characteristics of the supervised premises equipment should comply with the requirements of its associated alarm system standard and shall apply for transmission of all types of alarms including, but not limited to, fire, intrusion, access control and social alarms.
Compliance with this Technical Specification is voluntary.

SIST/TC ELI Nizkonapetostne in komunikacijske električne inštalacije

SIST HD 60364-1:2008/A11:2017
2017-10 (po) (en) 4 str. (A)
Nizkonapetostne električne inštalacije - 1. del: Temeljna načela, ocena splošnih karakteristik, definicije - Dopolnilo A11
Low-voltage electrical installations - Part 1: Fundamental principles, assessment of general characteristics, definitions
Osnova: HD 60364-1:2008/A11:2017
ICS: 91.140.50

Dopolnilo A11 je dodatek k standardu SIST HD 60364-1:2008.
V HD 60364-1 so navedena pravila za načrtovanje, postavitev in preverjanje nizkonapetostnih električnih inštalacij. Pravila so namenjena zagotavljanju varnosti ljudi, živali in imetja pred nevarnostmi in poškodbami, ki lahko nastanejo ob normalni uporabi električnih inštalacij, ter zagotavljanju neoporečnega delovanja teh inštalacij.

SIST HD 60364-4-41:2007/A11:2017
2017-10 (po) (en) 3 str. (A)
Nizkonapetostne električne inštalacije - 4-41. del: Zaščitni ukrepi - Zaščita pred električnim udarom - Dopolnilo A11
Low-voltage electrical installations - Part 4-41: Protection for safety - Protection against electric shock
Osnova: HD 60364-4-41:2007/A11:2017
ICS: 91.140.50, 13.260

Dopolnilo A11 je dodatek k standardu SIST HD 60364-4-41:2007.
Del 4-41 dokumenta HD 60364 določa bistvene zahteve za zaščito ljudi in živali pred električnim udarom, vključno z osnovno zaščito (zaščito pred neposrednim dotikom) in zaščito ob okvari (zaščito pri posrednem dotiku). Obravnava tudi uporabo in usklajevanje teh zahtev glede na zunanje vplive. Podane so tudi zahteve za uporabo dodatne zaščite v določenih primerih.

SIST HD 60364-4-41:2017/A11:2017
2017-10 (po) (en) 3 str. (A)
Nizkonapetostne električne inštalacije - 4-41. del: Zaščitni ukrepi - Zaščita pred električnim udarom - Dopolnilo A11
Low-voltage electrical installations - Part 4-41: Protection for safety - Protection against electric shock
Osnova: HD 60364-4-41:2017/A11:2017
ICS: 91.140.50, 13.260

Dopolnilo A11 je dodatek k standardu SIST HD 60364-4-41:2017.
Določa bistvene zahteve za zaščito ljudi in živali pred električnim udarom, vključno z osnovno zaščito (zaščito pred neposrednim dotikom) in zaščito ob okvari (zaščito pred posrednim dotikom). Obravnava tudi uporabo in usklajevanje teh zahtev glede na zunanje vplive. Podane so tudi zahteve za uporabo dodatne zaščite v določenih primerih. Ta standard ima status publikacije skupinske varnosti v skladu z vodilom 104 Mednarodne elektrotehniške komisije.

SIST HD 60364-4-46:2017/A11:2017
2017-10 (po) (en) 3 str. (A)
Nizkonapetostne električne inštalacije - 4-46. del: Zaščitni ukrepi - Ločevanje in stikanje - Dopolnilo A11
Low-voltage electrical installations - Part 4-46: Protection for safety - Isolation and switching
Osnova: **HD 60364-4-46:2016/A11:2017**
ICS: **91.140.50, 29.120.50**

Dopolnilo A11 je dodatek k standardu SIST HD 60364-4-46:2017.
Ta harmonizacijski dokument obravnava
– ukrepe za neavtomatsko lokalno in oddaljeno ločevanje in stikanje, ki preprečujejo ali odstranjujejo nevarnosti v zvezi z električnimi inštalacijami ali električno opremo in
– stikanje za nadzor tokokrogov ali opreme.

SIST HD 60364-5-51:2009/A12:2017
2017-10 (po) (en) 4 str. (A)
Nizkonapetostne električne inštalacije - 5-51. del: Izbira in namestitev električne opreme - Splošna pravila - Dopolnilo A12
Electrical installations of buildings - Part 5-51: Selection and erection of electrical equipment - Common rules
Osnova: **HD 60364-5-51:2009/A12:2017**
ICS: **91.140.50**

Dopolnilo A11 je dodatek k standardu SIST HD 60364-5-51:2009.
Ta del standarda IEC 60364 obravnava izbiro in namestitev opreme. Določa splošna pravila za skladnost z zaščitnimi ukrepi za varnost, zahteve za pravilno delovanje za predvideno uporabo inštalacije in zahteve v zvezi s predvidenimi zunanjimi vplivi.

SIST HD 60364-5-53:2016/A11:2017
2017-10 (po) (en) 3 str. (A)
Nizkonapetostne električne inštalacije - 5-53. del: Izbira in namestitev električne opreme - Stikalne in krmilne naprave - Doolnilo A11
Low-voltage electrical installations - Part 5-53: Selection and erection of electrical equipment - Switchgear and controlgear
Osnova: **HD 60364-5-53:2015/A11:2017**
ICS: **29.130.01, 91.140.50**

Dopolnilo A11 je dodatek k standardu SIST HD 60364-5-53:2016.
Ta del standarda HD 60364 obravnava splošne zahteve za ločevanje, preklapljanje, krmiljenje in nadzor ter zahteve za izbiro in namestitev naprav, ki te funkcije opravljajo.

SIST HD 60364-5-537:2017/A11:2017
2017-10 (po) (en) 3 str. (A)
Nizkonapetostne električne inštalacije - 5-53. del: Izbira in namestitev električne opreme - Stikalne in krmilne naprave - 537. oddelek: Ločevanje in stikanje - Dopolnilo A11
Low-voltage electrical installations - Part 5-53: Selection and erection of electrical equipment - Devices for protection, isolation, switching, control and monitoring - Clause 537: Isolation and switching
Osnova: **HD 60364-5-537:2016/A11:2017**
ICS: **29.130.01, 91.140.50**

Dopolnilo A11 je dodatek k standardu SIST HD 60364-5-537:2017.
Ta del standarda HD 60364 obravnava splošne zahteve za ločevanje in stikanje ter zahteve za izbiro in namestitev naprav, ki te funkcije opravljajo.

SIST HD 60364-5-54:2011/A11:2017
2017-10 (po) (en) 3 str. (A)
Nizkonapetostne električne inštalacije - 5-54. del: Izbira in namestitev električne opreme - Ozemljitve in zaščitni vodniki - Dopolnilo A11
Low-voltage electrical installations - Part 5-54: Selection and erection of electrical equipment - Earthing arrangements and protective conductors
Osnova: HD 60364-5-54:2011/A11:2017
ICS: 91.140.50

Dopolnilo A11 je dodatek k standardu SIST HD 60364-5-54:2011.
Ta del IEC 60364 obravnava ozemljitve in zaščitne vodnike, vključno z zaščitnimi veznimi vodniki, da se zagotovi varnost električne inštalacije.

SIST HD 60364-5-559:2012/A11:2017
2017-10 (po) (en) 4 str. (A)
Nizkonapetostne električne inštalacije - 5-559. del: Izbira in namestitev električne opreme - Svetilke in inštalacije razsvetljave - Dopolnilo A11
Low-voltage electrical installations - Part 5-559: Selection and erection of electrical equipment - Luminaires and lighting installations
Osnova: HD 60364-5-559:2012/A11:2017
ICS: 91.140.50, 29.140.50

Dopolnilo A11 je dodatek k standardu SIST HD 60364-5-559:2012.
Uporablja se za izbiro in namestitev svetilk in inštalacije razsvetljave, namenjene za del stalne inštalacije.

SIST HD 60364-5-56:2011/A12:2017
2017-10 (po) (en) 3 str. (A)
Nizkonapetostne električne inštalacije - 5-56. del: Izbira in namestitev električne opreme - Varnostno napajanje - Dopolnilo A12
Low-voltage electrical installations - Part 5-56: Selection and erection of electrical equipment - Safety services
Osnova: HD 60364-5-56:2010/A12:2017
ICS: 91.140.50

Dopolnilo A12 je dodatek k standardu SIST HD 60364-5-56:2011.
Ta del HD 60364 zajema splošne zahteve za varnostno napajanje, izbiro in namestitev sistemov oskrbe z električno energijo za varnostno napajanje in vire električne varnosti. Rezervni sistemi za oskrbo električno energijo so zunaj področja uporabe tega dela. Ta del ne velja za inštalacije na nevarnih območjih (BE3), za katere so podane zahteve v EN 60079-14.

SIST HD 60364-6:2016/A12:2017
2017-10 (po) (en) 3 str. (A)
Nizkonapetostne električne inštalacije - 6. del: Preverjanje - Dopolnilo A12
Low-voltage electrical installations - Part 6: Verification
Osnova: HD 60364-6:2016/A12:2017
ICS: 91.140.50

Dopolnilo A12 je dodatek 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 HD 60364-7-701:2007/A12:2017
2017-10 (po) (en) 3 str. (A)
Nizkonapetostne električne inštalacije - 7-701. del: Zahteve za posebne inštalacije ali lokacije - Prostori s kopalno kadjo ali tušem - Dopolnilo A12
Low-voltage electrical installations - Part 7-701: Requirements for special installations or locations - Locations containing a bath or shower
Osnova: HD 60364-7-701:2007/A12:2017
ICS: 91.140.70, 91.140.50

Dopolnilo A12 je dodatek k standardu SIST HD 60364-7-701:2007.
Nekatere zahteve tega dela HD 60364 veljajo za električne inštalacije na lokacijah, ki vsebujejo fiksno kad (kopalno kad) ali tuš, in na okoliških območjih, kot je določeno v tem standardu. Ta standard ne velja za intervencijska sredstva, npr. intervencijske tuše, ki se uporabljajo v industrijskih območjih ali laboratorijih.

SIST HD 60364-7-704:2007/A11:2017
2017-10 (po) (en) 3 str. (A)
Nizkonapetostne električne inštalacije - 7-704. del: Zahteve za posebne inštalacije ali lokacije - Gradbišča - Dopolnilo A11
Low-voltage electrical installations - Part 7-704: Requirements for special installations or locations - Construction and demolition site installations
Osnova: HD 60364-7-704:2007/A11:2017
ICS: 91.200, 91.140.50

Dopolnilo A11 je dodatek k standardu SIST HD 60364-7-704:2007.
Posebne zahteve tega dela se uporabljajo za začasne inštalacije za gradbišča v času gradnje ali rušenja, vključno npr. z naslednjim:
– gradbena dela na novih stavbah,
– obnova, predelava, razširitev, rušenje obstoječih stavb ali njihovih delov,
– dela, ki se izvajajo med vodenjem gradnje,
– zemeljska dela,
– druga podobna dela.
Zahteve se uporabljajo za stalne in premične inštalacije. Določila se ne uporabljajo za:
– inštalacije, ki jih obravnava skupina standardov IEC 60621, kjer se uporablja podobna oprema kot pri površinskih kopih v rudarstvu;
– inštalacije v upravnih prostorih gradbišča (pisarne, garderobe, sejne sobe, menze, restavracije, spalnice, toalete itd.), kjer se uporabljajo splošna določila delov 1 do 6 HD 60364.
OPOMBA: Za posebne situacije se uporabljajo strožje zahteve, npr. HD 60364-7-706 za prevodno okolje z omejenim gibanjem. Zahteve tega dela se uporabljajo za:
– fiksne inštalacije, omejene na sestav, ki vključuje glavno krmilno stikalno napravo in glavno zaščitno napravo;
OPOMBA: Mesto, kjer je takšen sestav nameščen, se šteje za vmesnik med napajalnim sistemom in inštalacijami gradbišča.
– inštalacije na bremenski strani zgoraj navedenega sestava, ki vključuje premično ali prevozno električno opremo kot del premičnih inštalacij.

SIST HD 60364-7-705:2007/A12:2017
2017-10 (po) (en) 3 str. (A)
Nizkonapetostne inštalacije - 7-705. del: Zahteve za posebne inštalacije ali lokacije - Električne inštalacije kmetijskih in vrtnarskih objektov - Dopolnilo A12
Low-voltage electrical installations - Part 7-705: Requirements for special installations or locations - Agricultural and horticultural premises
Osnova: **HD 60364-7-705:2007/A12:2017**
ICS: **65.040.01, 91.140.50**

Dopolnilo A12 je dodatek k standardu SIST HD 60364-7-705:2007.
Zahteve tega dela standarda IEC 60364 veljajo za fiksne električne instalacije znotraj in zunaj prostorov, namenjenih kmetijstvu in vrtnarstvu. Nekatere od teh zahtev veljajo tudi za druge lokacije v skupnih zgradbah, ki so del prostorov, namenjenih kmetijstvu in vrtnarstvu. Prostori, lokacije in površine za gospodinjsko uporabo ipd. v tem standardu niso obravnavani. Če nekatere posebne zahteve dela 705 veljajo tudi za bivališča in druge lokacije v takšnih skupnih zgradbah, je to navedeno v normativnem besedilu.

SIST HD 60364-7-708:2009/A11:2017
2017-10 (po) (en) 3 str. (A)
Nizkonapetostne električne inštalacije - 7-708. del: Zahteve za posebne inštalacije ali lokacije - Električne inštalacije v avtokampih in podobnih lokacijah - Dopolnilo A11
Low-voltage electrical installations - Part 7-708: Requirements for special installations or locations - Caravan parks, camping parks and similar locations
Osnova: **HD 60364-7-708:2009/A11:2017**
ICS: **97.200.30, 91.140.50**

Dopolnilo A11 je dodatek k standardu SIST HD 60364-7-708:2009.
The particular requirements contained in this part of IEC 60364 apply only to circuits intended to supply leisure accommodation vehicles, tents or residential park homes in caravan parks, camping parks and similar locations.

SIST HD 60364-7-708:2017 SIST HD 60364-7-708:2009
2017-10 (po) (en) 15 str. (D)
Nizkonapetostne električne inštalacije - 7-708. del: Zahteve za posebne inštalacije ali lokacije - Električne inštalacije v avtokampih in podobnih lokacijah
Low-voltage electrical installations - Part 7-708: Requirements for special installations or location - Caravan parks, camping parks and similar locations
Osnova: **HD 60364-7-708:2017**
ICS: **97.200.30, 91.140.50**

The particular requirements contained in this part of IEC 60364 apply only to circuits intended to supply leisure accommodation vehicles, tents or residential park homes in caravan parks, camping parks and similar locations.
NOTE For the purposes of this document caravan park includes camping parks and similar locations.
The particular requirements do not apply to the internal electrical installations of leisure accommodation vehicles, mobile or transportable units or residential park homes.

SIST HD 60364-7-709:2009/A11:2017
2017-10 (po) (en) 3 str. (A)
Nizkonapetostne električne inštalacije - 7-709. del: Zahteve za posebne inštalacije ali lokacije - Marine in podobne lokacije - Dopolnilo A11
Low-voltage electrical installations - Part 7-709: Requirements for special installations or locations - Marinas and similar locations
Osnova: **HD 60364-7-709:2009/A11:2017**
ICS: **93.140, 91.140.50**

Dopolnilo A11 je dodatek k standardu SIST HD 60364-7-709:2009.

Posebne zahteve, opredeljene v tem delu standarda HD 60364, se uporabljajo samo za tokokroge, namenjene za plovila za prosti čas ali bivalna plovila v marinah in na podobnih lokacijah.

SIST HD 60364-7-715:2012/A11:2017
2017-10 (po) (en) 3 str. (A)
Nizkonapetostne električne inštalacije – 7-715. del: Zahteve za posebne inštalacije ali lokacije – Inštalacije razsvetljav za malo napetost - Dopolnilo A11
Low-voltage electrical installations - Part 7-715: Requirements for special installations or locations - Extra-low-voltage lighting installations
Osnova: HD 60364-7-715:2012/A11:2017
ICS: 91.140.50, 29.140.50

Dopolnilo A11 je dodatek k standardu SIST HD 60364-7-715:2012.
Posebne zahteve tega dela standarda IEC 60364 se uporabljajo za izbiro in namestitev inštalacij razsvetljav za malo napetost z napajanjem iz virov z najvišjo nazivno napetostjo 50 V izmenične napetosti ali 120 V enosmerne napetosti.
OPOMBA 1: Za opredelitev sistema razsvetljave za malo napetost glejte standard IEC 60598-2-23.
OPOMBA 2: Izmenične napetosti so navedene kot efektivne vrednosti.

SIST HD 60364-7-718:2013/A12:2017
2017-10 (po) (en) 3 str. (A)
Nizkonapetostne električne inštalacije - 7-718. del: Zahteve za posebne inštalacije ali lokacije - Komunalne naprave in delovna mesta - Dopolnilo A12
Low-voltage electrical installations - Part 7-718: Requirements for special installations or locations - Communal facilities and workplaces
Osnova: HD 60364-7-718:2013/A12:2017
ICS: 91.140.50

Dopolnilo A12 je dodatek k standardu SIST HD 60364-7-718:2013.
Ta del standarda IEC 60364 določa dodatne zahteve za električne inštalacije, ki veljajo za javne objekte in delovna mesta. Spodaj so navedeni značilni primeri javnih objektov in delovnih mest: – sejne dvorane, sejne sobe; – razstavne dvorane; – gledališča, kinodvorane; – športni objekti; – prodajni objekti; – restavracije; – hoteli, apartmajske hiše, domovi z oskrbo in nego za starejše; – šole; – zaprta parkirišča; – zbirališča, kopališča, letališča, železniške postaje, stolpnice; – delavnice, proizvodni obrati in tovarne. Dostopne poti in izhodi v sili so del zgoraj omenjenih primerov. Nujnost zagotavljanja varnostnih storitev v posebnih stavbah in območjih lahko urejajo nacionalni predpisi, ki lahko vsebujejo strožje zahteve.

SIST HD 60364-7-729:2009/A11:2017
2017-10 (po) (en) 3 str. (A)
Nizkonapetostne električne inštalacije - 7-729. del: Zahteve za posebne inštalacije ali lokacije - Delovni ali vzdrževalni prehod - Dopolnilo A11
Low-voltage electrical installations - Part 7-729: Requirements for special installations or locations - Operating or maintenance gangways
Osnova: HD 60364-7-729:2009/A11:2017
ICS: 91.140.50

Dopolnilo A11 je dodatek k standardu SIST HD 60364-7-729:2009.
The requirements of this part of HD 60364 apply to basic protection and other aspects in restricted access areas with switchgear and controlgear assemblies, including requirements for operating or maintenance gangways.

SIST HD 60364-7-740:2007/A11:2017
2017-10 (po) (en) 3 str. (A)
Električne inštalacije zgradb - 7-740. del: Zahteve za posebne inštalacije ali lokacije - Začasne električne inštalacije za objekte, zabaviščne naprave in stojnice na sejmiščih, v zabaviščnih parkih in cirkusih - Dopolnilo A11
Electrical installations of buildings - Part 7-740: Requirements for special installations or locations - Temporary electrical installations for structures, amusement devices and booths at fairgrounds, amusement parks and circuses
Osnova: **HD 60364-7-740:2006/A11:2017**
ICS: **97.200.40, 91.140.50**

Dopolnilo A11 je dodatek k standardu SIST HD 60364-7-740:2007.
Navaja minimalne električno inštalacijske zahteve, ki omogočajo varno sestavo, inštalacijo in delovanje prenosnih, začasnih ali stalno inštaliranih električnih strojev in konstrukcij, vključenih v električno opremo. Stroji in konstrukcije so namenjene, za ponavljajoče inštaliranje, brez zmanjšanja varnosti, začasne ali stalne, na sejmiščih, zabaviščnih parkih, cirkusih in ostalih mestih.

SIST/TC EMC Elektromagnetna združljivost

SIST EN 55035:2017
2017-10 (po) (en) 90 str. (M)
Elektromagnetna združljivost večpredstavnostne opreme - Zahteve za odpornost opreme
Electromagnetic Compatibility of Multimedia equipment - Immunity Requirements
Osnova: **EN 55035:2017**
ICS: **33.100.20**

NOTE Blue coloured text within this document indicates text aligned with CISPR 32. CISPR 32 contains the appropriate emission requirements above 150 kHz for the equipment within the scope of this document. This document applies to multimedia equipment (MME) as defined in 3.1.24 and having a rated AC or DC supply voltage not exceeding 600 V.
MME within the scope of CISPR 20 or CISPR 24 is within the scope of this document.
MME with a broadcast reception function is within the scope of this document, see Annex A.
MME with non-broadcast wireless interfaces is also within the scope of this document, however, compliance with this document does not require the assessment of the performance of these interfaces.
MME intended primarily for professional use is within the scope of this document.
MME for which immunity requirements in the frequency range covered by this document are explicitly formulated in other CISPR documents (except CISPR 20 and CISPR 24) are excluded from the scope of this document. The objectives of this document are:
• to establish requirements which provide an adequate level of intrinsic immunity so that the MME will operate as intended in its environment in the frequency range 0 kHz to 400 GHz; • to specify procedures to ensure the reproducibility of tests and the repeatability of results. Due to technology convergence of the functions of MME, the performance criteria have been determined on a function-orientated basis rather than on an equipment-orientated basis.

SIST EN 61000-4-11:2005/A1:2017
2017-10 (po) (en) 8 str. (B)
Elektromagnetna združljivost (EMC) – 4-11. del: Preskusne in merilne tehnike – Preskusi odpornosti proti upadom napetosti, kratkotrajnim prekinitvam in napetostnim kolebanjem - Dopolnilo A1
Electromagnetic compatibility (EMC) - Part 4-11: Testing and measurement techniques - Voltage dips, short interruptions and voltage variations immunity tests
Osnova: **EN 61000-4-11:2004/A1:2017**
ICS: **33.100.20**

Dopolnilo A1 je dodatek k standardu SIST EN 61000-4-11:2005.

This part of IEC 61000 defines the immunity test methods and range of preferred test levels for electrical and electronic equipment connected to low-voltage power supply networks for voltage dips, short interruptions, and voltage variations.

This standard applies to electrical and electronic equipment having a rated input current not exceeding 16 A per phase, for connection to 50 Hz or 60 Hz a.c. networks.

It does not apply to electrical and electronic equipment for connection to 400 Hz a.c. networks.

Tests for these networks will be covered by future IEC standards.

The object of this standard is to establish a common reference for evaluating the immunity of electrical and electronic equipment when subjected to voltage dips, short interruptions and voltage variations.

NOTE Voltage fluctuation immunity tests are covered by IEC 61000-4-14.

The test method documented in this part of IEC 61000 describes a consistent method to assess the immunity of equipment or a system against a defined phenomenon. 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 should be applied or not, and, if applied, they are responsible for defining the appropriate test levels. Technical committee 77 and its sub-committees are prepared to co-operate with product committees in the evaluation of the value of particular immunity tests for their products.

SIST/TC EPR Električni pribor

SIST EN 61008-1:2013/A12:2017
2017-10 (po) (en;fr;de) 3 str. (A)
Odklopniki na preostali (residualni) tok brez vgrajene nadtokovne zaščite za gospodinjsko in podobno rabo (RCCB's) - 1. del: Splošna pravila
Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCBs) - Part 1: General rules
Osnova: EN 61008-1:2012/A12:2017
ICS: 29.120.50

Dopolnilo A12 je dodatek k standardu SIST EN 61008-1:2013.

Ta mednarodni standard se uporablja za odklopnike na preostali (residualni) tok, ki so funkcionalno neodvisni ali odvisni od linijske napetosti, za gospodinjsko in podobno rabo, brez vgrajene nadtokovne zaščite (v nadaljnjem besedilu: RCCB), za nazivne napetosti do vključno 440 V izmenične napetosti, pri čemer nazivna frekvenca dosega 50 Hz, 60 Hz ali 50/60 Hz in nazivni tok ne presega 125 A, in so namenjeni predvsem zaščiti pred električnim udarom. Te naprave so namenjene zaščiti oseb pred posrednim stikom, pri čemer so izpostavljeni prevodni deli inštalacije povezani z ustreznim ozemljilom. Uporabljajo se lahko za zaščito pred požarom zaradi stalnega ozemljitvenega okvarnega toka brez naprave za nadtokovno zaščito. Tudi odklopniki na preostali (residualni) tok (RCBB) z nazivnim preostalim obratovalnim tokom do vključno 30 mA se uporabljajo kot dodatna zaščita v primeru odpovedi zaščitnega sredstva pred električnim udarom. Ta standard se uporablja za naprave, ki hkrati izvajajo funkcije zaznavanja preostalega (residualnega) toka, primerjanja vrednosti tega toka s preostalo obratovalno vrednostjo in odprtja zaščitenega tokokroga, kadar preostali tok preseže to vrednost. Odklopniki RCCB so namenjeni uporabi v okolju s stopnjo onesnaženja 2. Primerni so za izolacijo. Odklopniki RCCB, ki so skladni s tem standardom, razen odklopnikov z neprekinjeno nevtralno točko, so primerni za uporabo v sistemih IT. Posebni zaščitni ukrepi (npr. prenapetostni odvodniki) so lahko potrebni, kadar lahko na strani dobave nastane prekomerna prenapetost (na primer v primeru dobave prek nadzemnih vodov) (glejte standard 60364-4-44). Odklopniki RCCB splošnega tipa se ne morejo po nesreči odklopiti, tudi kadar previsoka napetost (zaradi prehodnih preklapljanj ali udara strele) povzroči obremenilne tokove v inštalaciji brez nastanka preboja. Odporniki RCCB tipa S naj bi v zadostni meri ščitili pred neželenim odklopom, celo kadar previsoka napetost povzroči preboj in nastane nadaljnji tok. Posebne zahteve so potrebne za: – odklopnike na preostali (residualni) tok z vgrajeno nadtokovno zaščito (glejte standard IEC 61009-1); – odklopnike RCCB, vgrajene v vtiče ali namenjene le uporabi z vtiči in vtičnicami ali s spojkami naprav za gospodinjsko ali podobno

splošno rabo; – odpornike RCCB, namenjene uporabi pri frekvencah, ki niso 50 Hz ali 60 Hz. Zahteve tega standarda se uporabljajo za običajne okoljske pogoje (glejte točko 7.1). Dodatne zahteve so lahko potrebne za odklopnike RCCB, ki se uporabljajo na lokacijah z neugodnimi okoljskimi pogoji. Ta standard ne zajema odklopnikov RCCB z akumulatorji.

SIST EN 61242:1997/A13:2017
2017-10 (po) (en;fr;de) 3 str. (A)
Električni pribor - Kabelski bobni za gospodinjske in podobne namene
Electrical accessories - Cable reels for household and similar purposes
Osnova: EN 61242:1997/A13:2017
ICS: 29.120.99, 55.060

Dopolnilo A13 je dodatek k standardu SIST EN 61242:1997.
This International Standard applies to cable reels for a.c. only, provided with a non-detachable flexible cable with a rated voltage above 50 V and not exceeding 250 V for single-phase cable reels and above 50 V and not exceeding 440 V for all other cable reels, and a rated current not exceeding 16 A. They are intended for household, commercial and light industrial and similar purposes, either indoors or outdoors, with particular reference to safety in normal use.
Cable reeling devices incorporated in appliances are under consideration. Cable reels complying with this standard are suitable for use at ambient temperatures not normally exceeding 25 °C, but occasionally reaching 35 °C. In locations where special conditions prevail, special construction may be required.
NOTE - This standard does not apply to cable reels with a detachable flexible cable.

SIST EN 61995-1:2008/A1:2017
2017-10 (po) (en;fr;de) 6 str. (B)
Elementi za priključitev svetilk za gospodinjstva in podobne namene - 1. del: Splošne zahteve (IEC 61995-1:2005/A1:2016)
Devices for the connection of luminaires for household and similar purposes – Part 1: General requirements (IEC 61995-1:2005/A1:2016)
Osnova: EN 61995-1:2008/A1:2017
ICS: 29.140.40, 29.120.20

Dopolnilo A1 je dodatek k standardu SIST EN 61995-1:2008.
This part of IEC 61995-1 applies to devices for the connection of luminaires (DCL) intended for household and similar purposes, for the electrical connection of fixed luminaires to final circuits rated at not more than 16 A without providing mechanical support for the luminaire. DCLs are intended for use according to their IP rating per IEC 60529. Outlets have an earthing contact and a rated current of 6 A, plugs are rated at 6 A, unless otherwise specified in the relevant part 2. The rated voltage is 125 V or 250 V at 50/60 Hz. This standard can also be applied to types other than those with standardised interface. DCL plugs and DCL outlets complying with this standard are suitable for use under the following conditions: - an ambient temperature not normally exceeding 25 °C, but occasionally reaching 35 °C; - a temperature not exceeding 70 °C at the terminals of the DCL outlet including the effect of heat generated by the luminaire and the passage of current.

SIST EN 62196-2:2017 SIST EN 62196-2:2012
SIST EN 62196-2:2012/A11:2013
SIST EN 62196-2:2012/A12:2014
SIST EN 62196-2:2012/A12:2014/AC:2015

2017-10 (po) (en;fr;de) 64 str. (K)

Vtiči, vtičnice, konektorji in uvodnice na vozilih - Kabelsko napajanje električnih vozil - 2. del: Zahteve za dimenzijsko skladnost in zamenljivost pribora s trni in cevastimi kontakti za izmenični tok (a.c.) (IEC 62196-2:2016)

Plugs, socket-outlets, vehicle connectors and vehicle inlets - Conductive charging of electric vehicles - Part 2: Dimensional compatibility and interchangeability requirements for a.c. pin and contact-tube accessories (IEC 62196-2:2016)

Osnova: EN 62196-2:2017
ICS: 43.120, 29.120.30

This part of IEC 62196 applies to plugs, socket-outlets, vehicle connectors and vehicle inlets with pins and contact-tubes of standardized configurations, herein referred to as accessories.
They have a nominal rated operating voltage not exceeding 480 V a.c., 50 Hz to 60 Hz, and a rated current not exceeding 63 A three-phase or 70 A single phase, for use in conductive charging of electric vehicles.
This part of IEC 62196 covers the basic interface accessories for vehicle supply as specified in IEC 62196-1, and intended for use in conductive charging systems for circuits specified in IEC 61851-1:2010.
NOTE 1 Electric road vehicles (EV) implies all road vehicles, including plug-in hybrid road vehicles (PHEV), that derive all or part of their energy from RESS.
These accessories are intended to be used for circuits specified in IEC 61851-1:2010 which operate at different voltages and frequencies and which may include extra-low voltage (ELV) and communication signals.
These accessories may be used for bidirectional power transfer (under consideration). This standard applies to accessories to be used in an ambient temperature between –30 °C and +50 °C.
NOTE 2 In the following country, other requirements regarding the lower temperature may apply: NO.
NOTE 3 In the following country, –35 °C applies: SE.
These accessories are intended to be connected only to cables with copper or copper-alloy conductors.
Vehicle inlet and vehicle connector to this standard are intended to be used for charging in modes 1, 2 and 3, cases B and C. The socket-outlets and plugs covered by this standard are intended to be used for charging mode 3 only, case A and B.
The modes and permissible connections are specified in IEC 62196-1:2014.

SIST/TC IEHT Elektrotehnika - Hidravlične turbine

SIST EN 62256:2017 SIST EN 62256:2008

2017-10 (po) (en) 160 str. (P)

Vodne turbine, akumulacijske črpalke in črpalne turbine - Prenavljanje in izboljšanje delovanja (IEC 62256:2017)

Hydraulic turbines, storage pumps and pump-turbines - Rehabilitation and performance improvement (IEC 62256:2017)

Osnova: EN 62256:2017
ICS: 27.140

This document covers turbines, storage pumps and pump-turbines of all sizes and of the following types:
- Francis;
- Kaplan;
- propeller;
- Pelton (turbines only);
- bulb turbines.

This document also identifies without detailed discussion, other powerhouse equipment that could affect or be affected by a turbine, storage pump, or pump-turbine rehabilitation.
The object of this document is to assist in identifying, evaluating and executing rehabilitation and performance improvement projects for hydraulic turbines, storage pumps and pumpturbines.
This document can be used by owners, consultants, and suppliers to define:
• needs and economics for rehabilitation and performance improvement;
• scope of work;
• specifications;
• evaluation of results.
This document is intended to be:
• an aid in the decision process;
• an extensive source of information on rehabilitation;
• an identification of the key milestones in the rehabilitation process;
• an identification of the points to be addressed in the decision processes.
This document is not intended to be a detailed engineering manual nor a maintenance document.

SIST-TS CLC/TS 61400-14:2017
2017-10 (po) (en) 14 str. (D)
Vetrne turbine - 14. del: Izjava o nivoju navidezne moči zvoka in vrednostih tonalitete (IEC/TS 61400-14:2005)
Wind turbines - Part 14: Declaration of apparent sound power level and tonality values (IEC/TS 61400-14:2005)
Osnova: CLC/TS 61400-14:2017
ICS: 27.180

This part of IEC 61400 gives guidelines for declaring the apparent sound power level and tonality of a batch of wind turbines. The measurement procedures for apparent sound power level and tonality are defined in IEC 61400-11.

SIST-TS CLC/TS 61400-26-1:2017
2017-10 (po) (en) 56 str. (J)
Vetrne turbine - 26-1. del: Časovna razpoložljivost, ki temelji na proizvodnih sistemih vetrnih elektrarn (IEC/TS 61400-26-1:2011)
Wind turbines - Part 26-1: Time-based availability for wind turbine generating systems (IEC/TS 61400-26-1:2011)
Osnova: CLC/TS 61400-26-1:2017
ICS: 27.180

This part of IEC 61400 defines generic information categories to which fractions of time can be assigned for a wind turbine generating system (WTGS) considering internal and external conditions based on fraction of time and specifying the following:
• generic information categories of a WTGS considering availability and other performance indicators;
• information category priority in order to discriminate between concurrent categories;
• entry and exit point for each information category in order to allocate designation of time
• informative annexes including:
– examples of optional information categories,
– examples of algorithms for reporting availability and performance indicators,
– examples of application scenarios.

SIST-TS CLC/TS 61400-26-2:2017
2017-10 (po) (en) 50 str. (I)
Vetrne turbine - 26-2. del: Razpoložljivost, ki temelji na proizvodnji vetrnih elektrarn (IEC/TS 61400-26-2:2014)
Wind turbines - Part 26-2: Production-based availability for wind turbines (IEC/TS 61400-26-2:2014)
Osnova: CLC/TS 61400-26-2:2017
ICS: 27.180

This part of IEC 61400 provides a framework from which production-based performance indicators of a WTGS (wind turbine generator system) can be derived. It unambiguously describes how data is categorised and provides examples of how the data can be used to derive performance indicators.
The approach of this part of IEC 61400 is to expand the time allocation model, introduced in IEC TS 61400-26-1, with two additional layers for recording of the actual energy production and potential energy production associated with the concurrent time allocation.
It is not the intention of this Technical Specification to define how production-based availability shall be calculated. Nor is it the intention to form the basis for power curve performance measurements, which is the objective of IEC 61400-12.
This document also includes informative annexes with:
• examples of determination of lost production,
• examples of algorithms for production-based indicators,
• examples of other performance indicators,
• examples of application scenarios.

SIST-TS CLC/TS 61400-26-3:2017
2017-10 (po) (en) 121 str. (O)
Sistemi za proizvodnjo energije na veter - 26-3. del: Razpoložljivost vetrnih elektrarn (IEC/TS 61400-26-3:2016)
Wind energy generation systems - Part 26-3: Availability for wind power stations (IEC/TS 61400-26-3:2016)
Osnova: CLC/TS 61400-26-3:2017
ICS: 27.180

This part of IEC 61400, which is a technical specification, provides a framework from which time-based and production-based availability indicators of a wind power station can be derived. It unambiguously describes how data is categorised and provides examples of how the data can be used to derive availability indicators.
The approach is to apply the terms and definitions for the applied information models introduced in IEC TS 61400-26-1 and IEC TS 61400-26-2 to a wind power station.
The basic approach is based on the assumption that a wind power station may be modelled as one 'WTGS' representing a complete wind power station. The wind power station is made up of all WTGSs, functional services and balance of plant elements as seen from the point of common coupling.
It is not the intention of this specification to define how time-based and production-based availability shall be calculated. Nor is it the intention to form the basis for power curve performance measurements – which is the objective of IEC 61400-12. However, the annexes should be regarded as examples and guidelines for developing methods for calculation of availability indicators.
This document also includes informative annexes with:
• examples of how to expand the model to more services,
• examples of how to determine the information category for the wind power station,
• examples of how to expand the model to balance of plant elements,
• examples of determination of lost production,
• examples of availability algorithms for production based indicators,
• examples of other availability indicators,
• examples of application scenarios.

SIST/TC IEMO Električna oprema v medicinski praksi

SIST EN 82304-1:2017
2017-10 (po) (en) 30 str. (G)
Programska oprema v zdravstvu - 1. del: Splošne zahteve za varnost proizvodov (IEC 82304-1:2016)
Health Software - Part 1: General requirements for product safety (IEC 82304-1:2016)
Osnova: EN 82304-1:2017
ICS: 35.240.80

This Part of 82304 applies to the SAFETY and SECURITY of HEALTH SOFTWARE PRODUCTS designed to operate on general computing platforms and intended to be placed on the market without dedicated hardware, and its primary focus is on the requirements for MANUFACTURERS.

SIST/TC IFEK Železne kovine

SIST EN 10028-1:2017 SIST EN 10028-1:2008+A1:2009
SIST EN 10028-1:2008+A1:2009/AC:2010
2017-10 (po) (en;fr;de) 22 str. (F)
Ploščati jekleni izdelki za tlačne posode - 1. del: Splošne zahteve
Flat products made of steels for pressure purposes - Part 1: General requirements
Osnova: EN 10028-1:2017
ICS: 77.140.50, 77.140.30

This European Standard specifies general technical delivery conditions for flat products for the construction of pressure equipment.
The general technical delivery conditions in EN 10021 also apply.
NOTE Once this European Standard is published in the EU Official Journal (OJEU) under Directive 97/23/EC, presumption of conformity to the Essential Safety Requirements (ESRs) of Directive 97/23/EC is limited to technical data of materials in this European Standard (Part 1 and the other relevant part of the series) and does not presume adequacy of the material to a specific item of equipment. Consequently, the assessment of the technical data stated in this material standard against the design requirements of this specific item of equipment to verify that the ESRs of Directive 97/23/EC are satisfied, needs to be done.

SIST EN 10028-2:2017 SIST EN 10028-2:2009
2017-10 (po) (en;fr;de) 30 str. (G)
Ploščati jekleni izdelki za tlačne posode - 2. del: Nelegirana in legirana jekla s specificiranimi lastnostmi pri povišanih temperaturah
Flat products made of steels for pressure purposes - Part 2: Non-alloy and alloy steels with specified elevated temperature properties
Osnova: EN 10028-2:2017
ICS: 77.140.50, 77.140.30

This European Standard specifies requirements for flat products for pressure equipment made of weldable nonalloy and alloy steels with elevated temperature properties.

SIST EN 10028-3:2017 SIST EN 10028-3:2009
2017-10 (po) (en;fr;de) 18 str. (E)
Ploščati jekleni izdelki za tlačne posode - 3. del: Variva drobnozrnata jekla, normalizirana
Flat products made of steels for pressure purposes - Part 3: Weldable fine grain steels, normalized
Osnova: EN 10028-3:2017
ICS: 77.140.50, 77.140.30

This European Standard specifies requirements for flat products for pressure equipment made of weldable fine grain steels as specified in Table 1.
NOTE 1 Fine grain steels are understood as steels with a ferritic grain size of 6 or finer when tested in accordance with EN ISO 643. The requirements and definitions of prEN 10028-1:2014 also apply. NOTE 2 Once this European Standard is published in the EU Official Journal (OJEU) under Directive 97/23/EC, presumption of conformity to the Essential Safety Requirements (ESRs) of Directive 97/23/EC is limited to technical data of materials in this European Standard (Part 1 and this Part 3 of the series) and does not presume adequacy of the material to a specific item of equipment. Consequently, the assessment of the technical data stated in this material standard against the design requirements of this specific item of equipment to verify that the ESRs of Directive 97/23/EC are satisfied, needs to be done.

SIST EN 10028-4:2017 SIST EN 10028-4:2009
2017-10 (po) (en;fr;de) 14 str. (D)
Ploščati jekleni izdelki za tlačne posode - 4. del: Jekla, legirana z nikljem, s specificiranimi lastnostmi pri nizkih temperaturah
Flat products made of steels for pressure purposes - Part 4: Nickel alloy steels with specified low temperature properties
Osnova: EN 10028-4:2017
ICS: 77.140.50, 77.140.30

This European Standard specifies requirements for flat products for pressure equipment made of nickel alloy steels.

SIST EN 10028-5:2017 SIST EN 10028-5:2009
2017-10 (po) (en;fr;de) 13 str. (D)
Ploščati jekleni izdelki za tlačne posode - 5. del: Variva drobnozrnata jekla, termomehansko valjana
Flat products made of steels for pressure purposes - Part 5: Weldable fine grain steels, thermomechanically rolled
Osnova: EN 10028-5:2017
ICS: 77.140.50, 77.140.30

This European Standard specifies the requirements for flat products for pressure equipments made of thermomechanically rolled steels as specified in Table 1.
The steels are not suitable for hot forming.
NOTE 1 At the time of publication of this European Standard, no sufficient data for the standardization of the elevated temperature properties of these steels was available. If their use at such temperatures is intended the conditions for this should be specially agreed between the interested parties.
The requirements of prEN 10028-1:2014 also apply.
NOTE 2 Once this European Standard is published in the EU Official Journal (OJEU) under Directive 97/23/EC, presumption of conformity to the Essential Safety Requirements (ESRs) of Directive 97/23/EC is limited to technical data of materials in this European Standard (Part 1 and this Part 5 of the series) and does not presume adequacy of the material to a specific item of equipment. Consequently, the assessment of the technical data stated in this material standard against the design requirements of this specific item of equipment to verify that the ESRs of Directive 97/23/EC are satisfied, needs to be done.

SIST EN 10028-6:2017 SIST EN 10028-6:2009
2017-10 (po) (en;fr;de) 13 str. (D)
Ploščati jekleni izdelki za tlačne posode - 6. del: Variva drobnozrnata jekla, poboljšana
Flat products made of steels for pressure purposes - Part 6: Weldable fine grain steels, quenched and tempered
Osnova: EN 10028-6:2017
ICS: 77.140.50, 77.140.30

This European Standard specifies the requirements for flat products for pressure equipments made of thermomechanically rolled steels as specified in Table 1.
The steels are not suitable for hot forming.
NOTE 1 At the time of publication of this European Standard, no sufficient data for the standardization of the elevated temperature properties of these steels was available. If their use at such temperatures is intended the conditions for this should be specially agreed between the interested parties.
The requirements of prEN 10028-1:2014 also apply.
NOTE 2 Once this European Standard is published in the EU Official Journal (OJEU) under Directive 97/23/EC, presumption of conformity to the Essential Safety Requirements (ESRs) of Directive 97/23/EC is limited to technical data of materials in this European Standard (Part 1 and this Part 5 of the series) and does not presume adequacy of the material to a specific item of equipment. Consequently, the assessment of the technical data stated in this material standard against the design requirements of this specific item of equipment to verify that the ESRs of Directive 97/23/EC are satisfied, needs to be done.

SIST EN 10120:2017 SIST EN 10120:2008
2017-10 (po) (en;fr;de) 12 str. (C)
Jeklene pločevine in trakovi za plinske jeklenke
Steel sheet and strip for welded gas cylinders
Osnova: EN 10120:2017
ICS: 77.140.50

This European Standard specifies requirements for hot-rolled sheet and strip up to 5 mm thickness of steels listed in Table 1 and intended for the manufacture of welded gas cylinders.

SIST EN ISO 21809-5:2017 SIST EN ISO 21809-5:2010
2017-10 (po) (en;fr;de) 37 str. (H)
Naftna industrija in industrija zemeljskega plina - Zunanje prevleke za cevovode, zakopane v zemljo ali potopljene v vodo, v sistemih cevovodnega transporta - 5. del: Zunanje betonske prevleke (ISO 21809-5:2017)
Petroleum and natural gas industries - External coatings for buried or submerged pipelines used in pipeline transportation systems - Part 5: External concrete coatings (ISO 21809-5:2017)
Osnova: EN ISO 21809-5:2017
ICS: 25.220.99, 75.200

This document specifies the requirements for qualification, application, testing and handling of materials required for the application of reinforced concrete coating externally to either bare pipe or pre-coated pipe for use in pipeline transportation systems for the petroleum and natural gas industries as defined in ISO 13623.
The external application of concrete is primarily used for the negative buoyancy of pipes used in buried or submerged pipeline systems and/or for the mechanical protection of the pipe and its pre-coating. This document is applicable to concrete thicknesses of 25 mm or greater.

SIST/TC INIR Neionizirna sevanja

SIST IEC 61786-2:2017
2017-10 (po) (en) 34 str. (H)
Merjenje enosmernih in izmeničnih magnetnih polj ter izmeničnih električnih polj od 1 Hz do 100 kHz glede na izpostavljenost ljudi - 2. del: Osnovni standard za meritve
Measurement of DC magnetic, AC magnetic and AC electric fields from 1 Hz to 100 kHz with regard to exposure of human beings - Part 2: Basic standard for measurements
Osnova: IEC 61786-2
ICS: 17.220.20

**IEC 61786-2:2014 provides requirements for the measurement of quasi-static magnetic and electric fields that have a frequency content in the range 1 Hz to 100 kHz, and DC magnetic fields, to evaluate the exposure levels of the human body to these fields. Specifically, this standard gives requirements for establishing measurement procedures that achieve defined goals pertaining to human exposure. Because of differences in the characteristics of the fields from sources in the various environments, e.g. frequency content, temporal and spatial variations, polarization, and magnitude, and differences in the goals of the measurements, the specific measurement procedures will be different in the various environments. Sources of fields include devices that operate at power frequencies and produce power frequency and power-frequency harmonic fields, as well as devices that produce fields independent of the power frequency, and DC power transmission, and the geomagnetic field. The magnitude ranges covered by this standard are 0,1 micro-Tesla to 200 mili-Tesla for AC (1 micro-Tesla to 10 Tesla for DC) for magnetic fields, and 1 V/m to 50 kV/m for electric fields. When measurements outside this range are performed, most of the provisions of this standard will still apply, but special attention should be paid to the specified uncertainty and calibration procedures. Examples of sources of fields that can be measured with this standard include:
 - devices that operate at power frequencies (50/60 Hz) and produce power frequency and power-frequency harmonic fields (examples: power lines, electric appliances...);
 - devices that produce fields that are independent of the power frequency.(Examples: electric railway (DC to 20 kHz);
 - commercial aeroplanes (400 Hz), induction heaters (up to 100 kHz), and electric vehicles);
 - and devices that produces static magnetic fields: MRI, DC power lines, DC welding, electrolysis, magnets, electric furnaces, etc. DC currents are often generated by converters, which also create AC components (power frequency harmonics), which should be assessed. When EMF products standards are available, these products standards should be used. With regard to electric field measurements, this standard considers only the measurement of the unperturbed electric field strength at a point in space (i.e. the electric field prior to the introduction of the field meter and operator) or on conducting surfaces. Sources of uncertainty during measurements are also identified and guidance is provided on how they should be combined to determine total measurement uncertainty.**

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

SIST EN 1111:2017 SIST EN 1111:1998
2017-10 (po) (en;fr;de) 56 str. (J)
Sanitarne armature - Termostatska mešalna armatura (PN 10) - Splošne tehnične zahteve
Sanitary tapware - Thermostatic mixing valves (PN 10) - General technical specification
Osnova: EN 1111:2017
ICS: 91.140.70

This European Standard specifies general construction, performance and material requirements for PN 10 thermostatic mixing valves (TMV) and includes test methods for the verification of mixed water temperature performance at the point of use below 45 °C. This does not exclude the selection of higher temperatures where available. When these devices are used to provide anti-scald protection for children, elderly and disabled persons the mixed water temperature needs to be set at a suitable bathing temperature (body temperature – 38 °C) as children are at risk to scalding at lower temperatures than adults. This does not obviate the need for supervision of young children during bathing.
It applies to valves intended for use on sanitary appliances in kitchens, washrooms (incl. all rooms with sanitary tapware, e.g. toilets and cloakrooms) and bath rooms operating under the conditions specified in Table 1.
This standard allows TMVs to supply a single outlet or a small number of outlets in a "domestic" application (e.g. one valve, controlling a shower, bath, basin, bidet), excluding valves specifically designed for supplying a large number of outlets (i.e. for institutional use).
The tests described are type tests (laboratory tests) and not quality control tests carried out during manufacture.
(...)

SIST EN 12485:2017 SIST EN 12485:2011
2017-10 (po) (en;fr;de) 73 str. (L)
Kemikalije, ki se uporabljajo za pripravo pitne vode - Kalcijev karbonat, visoko kalcijevo apno in polžgan dolomit, magnezijev oksid in kalcij-magnezijev karbonat in dolomitno apno - Preskusne metode
Chemicals used for treatment of water intended for human consumption - Calcium carbonate, high-calcium lime, half-burnt dolomite, magnesium oxide, calcium magnesium carbonate and dolomitic lime - Test methods
Osnova: **EN 12485:2017**
ICS: **13.060.20, 71.100.80**

This European Standard specifies the methods used for the chemical analyses and the determination of physical properties of calcium carbonate, high-calcium lime, half-burnt dolomite, magnesium oxid calcium magnesium carbonate and dolomitic lime used to treat water for human consumption.
This document describes the reference methods and, in certain cases, an alternative method which can be considered to be equivalent. In the case of a dispute, only the reference methods are used.
Any other methods may be used provided they are calibrated, either against the reference methods or against internationally accepted reference materials, in order to demonstrate their equivalence.

SIST EN 1287:2017 SIST EN 1287:2000
2017-10 (po) (en;fr;de) 55 str. (J)
Sanitarne armature - Nizkotlačni termostatski mešalni ventili - Splošne tehnične zahteve
Sanitary tapware - Low pressure thermostatic mixing valves - General technical specification
Osnova: **EN 1287:2017**
ICS: **91.140.70**

This draft European Standard specifies general construction, performance and material requirements for PN 10 thermostatic mixing valves (TMV) and includes test methods for the verification of mixed water temperature performance at the point of use below 45 °C. This does not exclude the selection of higher temperatures where available. When these devices are used to provide anti-scald protection for children, elderly and disabled persons the mixed water temperature needs to be set at a suitable bathing temperature (body temperature – 38 °C) as children are at risk to scalding at lower temperatures than adults. This does not obviate the need for supervision of young children during bathing.
It applies to valves intended for use on sanitary appliances in kitchens, washrooms (incl. all rooms with sanitary tapware, e.g. toilet and cloakrooms) and bathrooms operating under the conditions specified in Table 1.
This draft standard allows TMVs to supply a single outlet or a small number of outlets in a "domestic" application (e.g. one valve, controlling a shower, bath, basin, bidet), excluding valves specifically designed for supplying a large number of outlets (i.e. for institutional use).
The tests described are type tests (laboratory tests) and not quality control tests carried out during manufacture.
(...)

SIST EN 816:2017 SIST EN 816:1997
2017-10 (po) (en;fr;de) 38 str. (H)
Sanitarne armature - Samozaporne armature PN 10
Sanitary tapware - Automatic shut-off valves PN 10
Osnova: **EN 816:2017**
ICS: **91.140.70, 23.060.01**

This European Standard is applicable to single and mixer taps with automatic shut-off for use with sanitary appliances installed in washrooms.
It does not apply to urinal or WC flushing valves or valves which open automatically.

The purpose of this standard is to specify the marking, identification, chemical/hygiene, dimensional, leaktightness, pressure resistance, hydraulic, mechanical endurance, and acoustical characteristics of automatic shut-off tapware.
The tests described in all the standard are type tests (laboratory tests) and not quality control tests carried out during manufacture.

SIST/TC IPMA Polimerni materiali in izdelki

SIST EN ISO 22007-4:2017 SIST EN ISO 22007-4:2012
2017-10 (po) (en;fr;de) 24 str. (F)
Polimerni materiali - Ugotavljanje toplotne prevodnosti in toplotne razprševalnosti - 4. del: Metoda z laserskim bliskom (ISO 22007-4:2017)
Plastics - Determination of thermal conductivity and thermal diffusivity - Part 4: Laser flash method (ISO 22007-4:2017)
Osnova: EN ISO 22007-4:2017
ICS: 83.080.01

This document specifies a method for the determination of the thermal diffusivity of a thin solid disc of plastics in the thickness direction by the laser flash method. This method is based upon the measurement of the temperature rise at the rear face of the thin-disc specimen produced by a short energy pulse on the front face.
The method can be used for homogeneous solid plastics as well as composites having an isotropic or orthotropic structure. In general, it covers materials having a thermal diffusivity, α, in the range 1×10^{-7} m2·s−1 < α < 1×10^{-4} m2·s−1. Measurements can be carried out in gaseous and vacuum environments over a temperature range from −100 °C to +400 °C.
NOTE For inhomogeneous specimens, the measured values can be specimen thickness dependent.

SIST/TC ISS EIT.ERE Električni releji

SIST EN 61810-1:2015/AC:2017
2017-10 (po) (en,fr) 3 str. (AC)
Elektromehanski osnovni releji - 1. del: Splošne in varnostne zahteve - Popravek AC
Electromechanical elementary relays - Part 1: General and safety requirements
Osnova: EN 61810-1:2015/AC:2017-07
ICS: 29.120.70

Popravek k standardu SIST EN 61810-1:2015.
Ta del standarda IEC 61810 se uporablja za elektromehanske osnovne releje (neopredeljene časovne stikalne releje) za vgradnjo v nizkonapetostno opremo (tokokrogi do 1000 V izmeničnega toka ali 1500 C enosmernega toka). Določa osnovne funkcionalne in varnostne zahteve ter z varnostjo povezane vidike za uporabe na vseh področjih elektroinženiringa ali elektronike, kot so:
- splošna industrijska oprema,
- električni objekti,
- električni stroji,
- električni aparati za gospodinjsko in podobno uporabo,
- informacijska tehnologija in poslovna oprema,
- gradbena avtomatizacijska oprema,
- avtomatizacijska oprema,
- električna namestitvena oprema,
- medicinska oprema,
- nadzorna oprema,
- telekomunikacije,
- vozila,
- prevoz (npr. železnice).

Skladnost z zahtevami iz tega standarda se preveri z navedenimi tipskimi preskusi. Če uporaba releja določa dodatne zahteve, ki presegajo zahteve iz tega standarda, je treba rele oceniti v skladu s to uporabo glede na skladnost z ustreznimi standardi IEC (npr. IEC 60730-1, IEC 60335-1, IEC 60950-1).

SIST/TC ISS EIT.EVL Optična varnost sevanja laserjev in laserska oprema

SIST EN 60825-1:2014/AC:2017
2017-10 (po) (en) 1 str. (AC)
Varnost laserskih izdelkov - 1. del: Klasifikacija opreme in zahteve - Popravek AC
Safety of laser products - Part 1: Equipment classification and requirements
Osnova: EN 60825-1:2014/AC:2017-06
ICS: 13.280, 31.260

Popravek k standardu SIST EN 60825-1:2014.
Standard EN IEC 60825-1 se uporablja za varnost laserskih izdelkov, ki oddajajo lasersko sevanje v razponu valovnih dolžin od 180 nm do 1 mm. Čeprav obstajajo laserji, ki sevanje oddajajo pri valovnih dolžinah pod 180 nm (znotraj vakuumskih ultravijoličnih valovnih dolžin), takih laserjev področje uporabe tega standarda ne zajema, ker mora biti laserski žarek običajno zaprt v izpraznjeni komori, zato so morebitne nevarnosti zaradi optičnega sevanja minimalne. Laserski izdelek lahko zajema en sam laser z ločenim napajanjem ali brez njega ali pa lahko združuje enega ali več laserjev v kompleksnem optičnem, električnem ali mehanskem sistemu. Običajno se laserski izdelki uporabljajo za prikaz fizikalnih in optičnih pojavov, obdelavo materialov, branje ter skladiščenje podatkov, prenos in prikaz informacij itd. Taki sistemi se uporabljajo v industriji, poslovnem svetu, zabavi, raziskavah, izobraževanju, medicini in potrošniških izdelkih. Za laserske izdelke, ki se prodajajo drugim proizvajalcem kot komponente katerega koli sistema za poznejšo prodajo, standard IEC 60825-1 ne velja, saj se bo zadevni standard uporabljal za končni izdelek. Za laserske izdelke, ki jih proizvajalci končnih izdelkov prodajajo za uporabo kot rezervne dele za končne izdelke ali se prodajajo za te proizvajalce, se standard IEC 60825-1 prav tako ne uporablja. Vendar se zahteve 1. dela uporabljajo za odstranljivi laserski sistem, če je laserski sistem znotraj laserskega izdelka delujoč, ko se odstrani iz končnega izdelka.

SIST/TC ISTM Statistične metode

SIST ISO 21748:2017 SIST ISO 21748:2014
2017-10 (po) (en;fr) 45 str. (I)
Navodilo o uporabi ocen ponovljivosti, obnovljivosti in pravilnosti pri vrednotenju merilne negotovosti
Guidance for the use of repeatability, reproducibility and trueness estimates in measurement uncertainty evaluation
Osnova: ISO 21748:2017
ICS: 17.020

This document gives guidance for
— evaluation of measurement uncertainties using data obtained from studies conducted in accordance with ISO 5725-2, and
— comparison of collaborative study results with measurement uncertainty (MU) obtained using formal principles of uncertainty propagation (see Clause 14).
ISO 5725-3 provides additional models for studies of intermediate precision. However, while the same general approach may be applied to the use of such extended models, uncertainty evaluation using these models is not incorporated in this document.
This document is applicable to all measurement and test fields where an uncertainty associated with a result has to be determined.

This document does not describe the application of repeatability data in the absence of reproducibility data.
This document assumes that recognized, non-negligible systematic effects are corrected, either by applying a numerical correction as part of the method of measurement, or by investigation and removal of the cause of the effect.
The recommendations in this document are primarily for guidance. It is recognized that while the recommendations presented do form a valid approach to the evaluation of uncertainty for many purposes, it is also possible to adopt other suitable approaches.
In general, references to measurement results, methods and processes in this document are normally understood to apply also to testing results, methods and processes.

SIST/TC ISTP Stavbno pohištvo

SIST EN 12453:2017 SIST EN 12445:2001
SIST EN 12453:2001

2017-10 (po) (en;fr;de) 61 str. (K)

Vrata v industrijske in javne prostore ter garažna vrata - Varnost pri uporabi pogonskega mehanizma - Zahteve in preskusne metode

Industrial, commercial and garage doors and gates - Safety in use of power operated doors - Requirements and test methods

Osnova: EN 12453:2017
ICS: 91.090, 91.060.50

This European Standard specifies requirements and test methods for the safety in use of any type of power operated door, gate and barrier including their components, intended for installation in areas in the reach of persons, and for which the main intended uses are giving safe access for goods and vehicles accompanied or driven by persons in industrial, commercial or residential premises.
This European Standard also covers power operated vertically moving commercial doors used in retail premises which are mainly provided for the access of persons rather than vehicles or goods
This European Standard deals with all significant hazards, hazardous situations and events relevant to the power operation of doors, gates and barriers, as identified in Annex C.
European Standard does not apply to
- lock gates and dock gates;
- doors on lifts;
- doors on vehicles;
- armoured doors;
- doors mainly for the retention of animals;
- theatre textile curtains;
- horizontally moving power operated doorsets intended for pedestrian use;
- doors outside the reach of people (such as crane gantry fences);
- railway barriers;
- barriers used solely for vehicles (e.g. barriers on motorway, public car parks).

Also this European Standard does not apply to power operated doors, gates and barriers which are manufactured before the date of publication of this European Standard.
Requirements for specific characteristics (such as fire resistance, blast-resistance, acoustic, escape route function, burglar resistance or thermal insulation, etc.) which certain doors are required to comply with are not specified in this document. If the specifications of a standard on the special characteristics of such doors are in conflict with the requirements of this European Standard, that standard has preference.

SIST/TC ITC Informacijska tehnologija

SIST EN 16931-1:2017
2017-10 (po) (en;fr;de) 150 str. (P)
Elektronsko izdajanje računov - 1. del: Semantični podatkovni model ključnih elementov za elektronski račun
Electronic invoicing - Part 1: Semantic data model of the core elements of an electronic invoice
Osnova: EN 16931-1:2017
ICS: 03.100.20, 35.240.63

This European Standard establishes a semantic data model of the core elements of an electronic invoice. The semantic model includes only the essential information elements that an electronic invoice needs to ensure legal (including fiscal) compliance and to enable interoperability for cross-border, cross sector and for domestic trade. The semantic model may be used by public and private sector organizations for public procurement invoicing. It may also be used for invoicing between private sector enterprises. This EN complies at least with the following criteria:
- it is technologically neutral;
- it is compatible with relevant international standards on electronic invoicing;
- it has regard to the need for personal data protection in accordance with Directive 95/46/EC [4], to a 'data protection by design' approach and to the principles of proportionality, data minimization and purpose limitation;
- it is consistent with the relevant provisions of Directive 2006/112/EC [2];
- it allows for the establishment of practical, user-friendly, flexible and cost-efficient electronic invoicing systems;
- it takes into account the special needs of small and medium-sized enterprises as well as of sub-central contracting authorities and contracting entities;
- it is suitable for use in commercial transactions between enterprises.

SIST EN ISO 11073-10417:2017 SIST EN ISO 11073-10417:2014
2017-10 (po) (en;fr;de) 80 str. (L)
Zdravstvena informatika - Komunikacija osebnih medicinskih naprav - 10417. del: Specialne naprave - Glukometer (ISO/IEEE 11073-10417:2017)
Health informatics - Personal health device communication - Part 10417: Device specialization - Glucose meter (ISO/IEEE 11073-10417:2017)
Osnova: EN ISO 11073-10417:2017
ICS: 11.040.55, 35.240.80

Within the context of the ISO/IEEE 11073 family of standards for device communication, this standard establishes a normative definition of communication between personal telehealth glucose meter devices and compute engines (e.g., cell phones, personal computers, personal health appliances, and set top boxes) in a manner that enables plug-and-play interoperability. It leverages appropriate portions of existing standards, including ISO/IEEE 11073 terminology, information models, application profile standards, and transport standards. It specifies the use of specific term codes, formats, and behaviors in telehealth environments restricting optionality in base frameworks in favor of interoperability. This standard defines a common core of communication functionality for personal telehealth glucose meters.

SIST EN ISO 12813:2016/A1:2017
2017-10 (po) (en) 10 str. (C)
Elektronsko pobiranje pristojbin - Komunikacija za potrditev skladnosti avtonomnih sistemov - Dodatek 1 (ISO 12813:2015/Amd 1:2016)
Electronic fee collection - Compliance check communication for autonomous systems - Amendment 1 (ISO 12813:2015/DAmd 1:2016)
Osnova: EN ISO 12813:2015/A1:2017
ICS: 35.240.60, 03.220.20

Dopolnilo A1 je dodatek k standardu SIST EN ISO 12813:2016.

Ta mednarodni standard določa zahteve za komunikacijo kratkega dosega za namene preverjanja skladnosti avtonomnih sistemov za elektronsko pobiranje pristojbin. Komunikacija za preverjanje skladnosti (CCC) poteka med opremo, vgrajeno v cestno vozilo (OBE), in zunanjim čitalnikom (ob cesti nameščena oprema, mobilna naprava ali ročna enota) ter omogoča preverjanje, ali podatki, dostavljeni v opremo, vgrajeno v cestno vozilo, pravilno odražajo uporabo ceste ustreznega vozila v skladu s pravili pristojnega režima cestninjenja.

Upravljavec čitalnika za preverjanje skladnosti se obravnava kot del postopka zaračunavanja cestnine, kot je določeno v standardu ISO 17573. Komunikacija za preverjanje skladnosti dovoljuje prepoznavanje opreme, vgrajene v cestno vozilo, vozila in pogodbe ter omogoča preverjanje tega, ali je voznik izpolnil svoje obveznosti, kakšno je stanje preverjanja in ali oprema, vgrajena v vozilo, deluje pravilno. Komunikacija za preverjanje skladnosti omogoča branje, ne pa tudi zapisovanja podatkov opreme, vgrajene v vozilo.

Ta mednarodni standard se uporablja za opremo, vgrajeno v vozilo, v avtonomnem načinu delovanja; ne uporablja se za preverjanje skladnosti v namenskih sistemih za zaračunavanje na podlagi komunikacije kratkega dosega (DSRC).

Določa skladnjo in semantiko podatkov in ne določa komunikacijskega zaporedja. Vsi atributi, določeni v tem dokumentu, so zahtevani za katero koli opremo, vgrajeno v vozilo, ki naj bi bila v skladu s tem mednarodnim standardom, tudi če so nekatere vrednosti nastavljene kot »nedoločene« v primerih, ko oprema, vgrajena v vozilo, nima določene funkcionalnosti. Čitalnik lahko poljubno izbere atribute za branje in zaporedje, v katerem so prebrani. Za doseganje združljivosti z obstoječimi sistemi komunikacija uporablja atribute, določene v standardu ISO 14906, kjer koli je to uporabno.

Komunikacija za preverjanje skladnosti je primerna za nabor medijev za komunikacijo kratkega dosega. Posebne opredelitve so podane za CEN-DSRC, kot je določeno v standardu EN 15509, ter za uporabo standarda ISO CALM IR, italijanskega sistema namenske komunikacije kratkega dosega, kot je določeno v standardih ETSI ES 200 674-1 in ARIB DSRC kot alternativah standardu CEN-DSRC. Opredeljeni atributi in funkcije se uporabljajo za preverjanje skladnosti na podlagi zagotavljanja storitev namenske komunikacije kratkega dosega

(7. raven) z atributi in funkcijami komunikacije za preverjanje skladnosti, katerih razpoložljivost je bila omogočena za uporabo v obcestni opremi (RSE) in opremi, vgrajeni v vozilo. Atributi in funkcije so določeni na ravni aplikacijskih podatkovnih enot (ADU).

Opredelitev komunikacije za preverjanje skladnosti vključuje:

– aplikacijski vmesnik med opremo, vgrajeno v vozilo, in obcestno opremo (kot je prikazano na sliki 2);

– uporabo generične aplikacijske ravni namenske komunikacije kratkega dosega, kot je določeno v standardih ISO 15628 in EN 12834;

– uporabo sklada CEN-DSRC, kot je določeno v standardu EN 15509, ali drugih enakovrednih skladov namenske komunikacije kratkega dosega, kot je opisano v
dodatkih C, D in E;

– varnostne storitve za medsebojno preverjanje pristnosti komunikacijskih partnerjev in podpisovanje podatkov (glejte dodatek G).

Specifikacije podatkovne vrste namenske komunikacije kratkega dosega so podane v dodatku A, proforma formalne izjave o skladnosti izvedbe protokola (PICS) v dodatku B. Primer transakcije namenske komunikacije kratkega dosega je prikazan v dodatku F. Informativni dodatek H izpostavlja, kako uporabljati ta mednarodni standard za evropske sisteme elektronskega cestninjenja (kot je opredeljeno v Odločbi Komisije 2009/750/ES).

Področje uporabe tega mednarodnega standarda ne zajema specifikacij preskusov.

SIST EN ISO 13141:2016/A1:2017
2017-10 (po) (en;fr;de) 10 str. (C)
Elektronsko pobiranje pristojbin - Lokalizacija povečane gostote komunikacije za avtonomne sisteme - Dopolnilo A1 (ISO 13141:2015/Amd 1:2017)
Electronic fee collection - Localisation augmentation communication for autonomous systems - Amendment 1 (ISO 13141:2015/Amd 1:2017)
Osnova: EN ISO 13141:2015/A1:2017
ICS: 35.240.60, 03.220.20

Dopolnilo A1 je dodatek k standardu SIST EN ISO 13141:2016.
Ta mednarodni standard vzpostavlja zahteve za komunikacijo kratkega dosega za namene razširjene lokalizacije v avtonomnih sistemih za elektronsko pobiranje pristojbin. Na podlagi razširjene lokalizacije lahko oprema, vgrajena v vozilo, prejema podatke o geografski lokaciji in identiteti objekta zaračunavanja. Ta mednarodni standard določa način posredovanja podatkov o lokaciji in poti objekta ter varnostne ukrepe za preprečevanje vpliva na opremo, vgrajeno v vozilo, z napačno obcestno opremo.
Med opremo, vgrajeno v vozilo, in nameščeno obcestno opremo steče komunikacija za razširjeno lokalizacijo. Ta mednarodni standard se uporablja za opremo, vgrajeno v vozilo, v avtonomnem načinu delovanja. Ta mednarodni standard določa atribute in funkcije za namene razširjene lokalizacije na podlagi storitev namenske komunikacije kratkega dosega (7. raven) ter omogoča uporabo teh atributov in funkcij za komunikacijo za razširjeno lokalizacijo v obcestni opremi in opremi, vgrajeni v vozilo. Atributi in funkcije so določeni na ravni aplikacijskih podatkovnih enot (glej sliko 1).
Kot je prikazano na sliki 1, se ta mednarodni standard uporablja za:
– definicijo aplikacijskega vmesnika med opremo, vgrajeno v vozilo, in obcestno opremo;
– vmesnik za aplikacijsko raven namenske komunikacije kratkega dosega, kot je določeno v standardih ISO 15628 in EN 12834;
– uporabo sklada namenske komunikacije kratkega dosega.
Komunikacija za razširjeno lokalizacijo je primerna za nabor medijev za komunikacijo kratkega dosega. Ta mednarodni standard podaja posebne opredelitve za sklad namenske komunikacije kratkega dosega CEN, kot je določeno v standardu
EN 15509, dodatki C, D in E pa opredeljujejo uporabo italijanskega sistema namenske komunikacije kratkega dosega, kot je določeno v standardih ETSI/ES 200 674-1, ISO CALM IR in ARIB DSRC.
Ta mednarodni standard vključuje proformo formalne izjave o skladnosti izvedbe protokola (PICS) v dodatku B in informativne primere transakcij v dodatku F. Informativni dodatek G izpostavlja, kako uporabljati ta mednarodni standard za evropske sisteme elektronskega cestninjenja (kot je opredeljeno v
Odločbi Komisije 2009/750/ES).
Področje uporabe tega mednarodnega standarda ne zajema specifikacij preskusov.

SIST EN ISO 14823:2017 SIST-TS CEN ISO/TS 14823:2009
2017-10 (po) (en;fr;de) 49 str. (I)
Inteligentni transportni sistemi - Seznam grafičnih simbolov (ISO 14823:2017)
Intelligent transport systems - Graphic data dictionary (ISO 14823: 2017)
Osnova: EN ISO 14823:2017
ICS: 43.040.15, 35.240.60

This document specifies a graphic data dictionary, a system of standardised codes for existing road traffic signs and pictograms used to deliver Traffic and Traveller Information (TTI). The coding system can be used in the formation of messages within intelligent transport systems.

SIST EN ISO 15008:2017 SIST EN ISO 15008:2009
2017-10 (po) (en;fr;de) 33 str. (H)
Cestna vozila - Ergonomski vidiki transportnih informacij in kontrolnih sistemov - Specifikacije in postopki preskušanja vizualne predstavitve v vozilu (ISO 15008:2017)
Road vehicles - Ergonomic aspects of transport information and control systems - Specifications and test procedures for in-vehicle visual presentation (ISO 15008:2017)
Osnova: EN ISO 15008:2017
ICS: 43.040.15, 13.180

This document specifies minimum requirements for the image quality and legibility of displays containing dynamic (changeable) visual information presented to the driver of a passenger car by onboard transport information and control systems (TICS) used while the vehicle is in motion. Heavy vehicles are excluded for the requirements of contrast and font size since these chapters

reference ISO 4513 which is only applicable for passenger vehicles. These requirements are intended to be independent of display technologies. Reference to test methods and measurements for assessing compliance with them have been included where necessary.
This document is applicable mainly to perceptual, and some basic cognitive, components of the visual information, including character legibility and colour recognition. It is not applicable to other factors affecting performance and comfort, such as coding, format and dialogue characteristics, or to displays using:
— characters presented as a part of a symbol or pictorial information (e.g.CD symbol);
— superimposed information on the external field (e.g. head-up displays);
— pictorial images (e.g. rear view camera);
— maps and topographic representations (e.g. those for setting navigation systems); or
— quasi-static information (e.g. AM/PM, km/miles, kPa/PSI, On/Off information).

SIST-TP CEN/TR 16931-4:2017
2017-10 (po) (en;fr;de) 24 str. (F)
Elektronsko izdajanje računov - 4. del: Smernice o interoperabilnosti elektronskih računov na prenosni ravni
Electronic invoicing - Part 4: Guidelines on interoperability of electronic invoices at the transmission level
Osnova: CEN/TR 16931-4:2017
ICS: 35.240.63

This Technical Report gives guidelines on interoperability of electronic invoices at the transmission level, taking into account the need of ensuring the authenticity of the origin and the integrity of the electronic invoices.

SIST-TP CEN/TR 16931-5:2017
2017-10 (po) (en;fr;de) 19 str. (E)
Elektronsko izdajanje računov - 5. del: Smernice za uporabo v sektorju ali državi v povezavi z EN 16931-1, metodologija za uporabo v realnem okolju
Electronic invoicing - Part 5: Guidelines on the use of sector or country extensions in conjunction with EN 16931-1, methodology to be applied in the real environment
Osnova: CEN/TR 16931-5:2017
ICS: 03.100.20, 35.240.63

This Technical Report gives guidelines on the optional use of sector or country extensions in conjunction with the European Norm on the semantic data model for the core elements of an electronic invoice, including a methodology to be applied in the real environment.

SIST-TP CEN/TR 419010:2017
2017-10 (po) (en;fr;de) 15 str. (D)
Krovna določila za standardizacijo podpisov - Razširjena struktura, vključno z elektronsko identifikacijo in avtentifikacijo
Framework for standardization of signatures - Extended structure including electronic identification and authentication
Osnova: CEN/TR 419010:2017
ICS: 35.040.01

The regulation on electronic identification and trusted eServices (eIDAS regulation) clearly extends the current Electronic Signature Directive from electronic signature towards electronic identification and electronic authentication. These two topics are closely linked to electronic signature and are considered in this context in this document. There are many documents, standards, industrial initiatives and European projects on identification and authentication, but the scope here is limited to electronic signature context, and wider to electronic transactions in the internal market.

The present Technical Report is twofold.
It firstly does a brief analysis of the implementing acts on electronic identities CIR 2015/1501 [29] and CIR 2015/1502 [30] and how this is addressed by the eID interoperability framework [31]. It secondly establishes what areas of existing standards are impacted by the eID framework and what further areas of standardization could assist nations in providing eID services.

SIST-TP CEN/TR 419200:2017
2017-10 (po) (en;fr;de) 33 str. (H)
Navodilo za elektronsko podpisovanje in druge podobne operacije
Guidance for signature creation and other related devices
Osnova: CEN/TR 419200:2017
ICS: 35.040.01

The present Technical Report provides guidance on the selection of standards and options for the signature/seal creation and other related devices (area 2) as identified in the framework for standardization of signatures: overview ETSI/TR 119 000 [16].
The present Technical Report describes the Business Scoping Parameters relevant to this area (see Clause 5) and how the relevant standards and options for this area can be identified given the Business Scoping Parameters (Clause 6).
The target audience of this document includes:
- business managers who potentially require support from electronic signatures/seals in their business and will find here an explanation of how electronic signatures/seals standards can be used to meet their business needs;
- application architects who will find here material that will guide them throughout the process of designing a system that fully and properly satisfies all the business and legal/regulatory requirements specific to electronic signatures/seals, and will gain a better understanding on how to select the appropriate standards to be implemented and/or used;
- developers of the systems who will find in this document an understanding of the reasons that lead the systems to be designed as they were, as well as a proper knowledge of the standards that exist in the field and that they need to know in detail for a proper development.

SIST-TS CEN ISO/TS 17429:2017
2017-10 (po) (en;fr;de) 52 str. (J)
Inteligentni transportni sistemi - Kooperativni sistem (ITS) - Objekti postaj ITS za prenos podatkov med postajami ITS (ISO/TS 17429:2017)
Intelligent transport systems - Cooperative ITS - ITS station facilities for the transfer of information between ITS stations (ISO/TS 17429:2017)
Osnova: CEN ISO/TS 17429:2017
ICS: 35.240.60, 03.220.01

This international standard falls into the Cooperative ITS set of standards based onthe ITS station reference architecture. Typically, raw and dense information transmitted by ITS stations (e.g. CAM and DENM broadcast from vehicles for road safety purposes) is collected by other ITS stations (presumably the roadside infrastructure). This information must be processed and transferred in a standardized way between ITS stations (presumably between the roadside infrastructure and traffic control centres) so that it could be used for traffic management purposes by road operators. The processing of this information could also lead to improved road safety, improved road efficiency and reduced greenhouse gas emissions. The purpose of this international standard is to specify the profiles for processing the collected information at the receiving ITS station and transferring the processed data to other ITS stations for applications related to transport infrastructure management, control and guidance. This standard will thus:
- select the services, functions and expected results,
- select the roles and responsibilities of all the involved actors,
- select involved functions and SAPs (Service Access Point) of the ITS station reference architecture,
- characterize how the collected data is pre-processed by the receiving ITS station,

- select the content of the information to be exchanged between the various actors,
- characterize the level of performance (best effort or real-time, etc.), confidence and security (authentication, encryption, etc.) for the transfer of the information,
- select the means by which the processed information is transferred (securely) between the different actors.

SIST-TS CEN ISO/TS 17574:2017 SIST-TS CEN ISO/TS 17574:2009
2017-10 (po) (en;fr;de) 60 str. (J)
Elektronsko pobiranje pristojbin - Smernice za zaščito varnostnih profilov EFC (ISO/TS 17574:2017)
Electronic fee collection - Guidelines for security protection profiles (ISO/TS 17574:2017)
Osnova: CEN ISO/TS 17574:2017
ICS: 35.240.60, 03.220.20

This document provides guidelines for preparation and evaluation of security requirements specifications, referred to as Protection Profiles (PP) in ISO/IEC 15408 (all parts) and in ISO/IEC TR 15446.
By Protection Profile (PP), it means a set of security requirements for a category of products or systems that meet specific needs. A typical example would be a PP for On-Board Equipment (OBE) to be used in an EFC system. However, the guidelines in this document are superseded if a Protection Profile already exists for the subsystem in consideration.
The target of evaluation (TOE) for EFC is limited to EFC specific roles and interfaces as shown in Figure 1. Since the existing financial security standards and criteria are applicable to other external roles and interfaces, they are assumed to be outside the scope of TOE for EFC.
The security evaluation is performed by assessing the security-related properties of roles, entities and interfaces defined in security targets (STs), as opposed to assessing complete processes which often are distributed over more entities and interfaces than those covered by the TOE of this document.

SIST-TS CEN ISO/TS 19091:2017
2017-10 (po) (en;fr;de) 221 str. (S)
Inteligentni transportni sistemi - Kooperativni sistem (ITS) - Uporaba komunikacij V2I in I2V za aplikacije v zvezi s signali v križiščih (ISO/TS 19091:2017)
Intelligent transport systems - Cooperative ITS - Using V2I and I2V communications for applications related to signalized intersections (ISO/TS 19091:2017)
Osnova: CEN ISO/TS 19091:2017
ICS: 35.240.60, 03.220.20

The scope of this technical specification is to define messages and related data structures and data elements for the following exchanges between roadside equipment and vehicles:
- Definition of the SPaT (signal phase and timing) message transmitted from a traffic controller that describes the state of the signals, signal timing as necessary to support the applications identified herein. This will typically include such information as the passage time, permitted movements, future movements permitted, etc. The SPaT message is dependent upon the MAP message.
- Definition of the MAP message (which include the definition of motorized lane, vehicles, busses, trams, bicycle, pedestrian crosswalks, etc.)
- Definition of the messages to be exchanged between an intersection traffic controller and approaching vehicles (SRM, SSM) to support priority treatment as might be expected for special vehicles,such as emergency vehicles,freight transport, and public transport vehicles to improve safety, and operational and environmental efficiency.

SIST-TS CEN/TS 16794-1:2017 SIST-TS CEN/TS 16794-1:2015
2017-10 (po) (en;fr;de) 39 str. (H)
Javni prevoz - Komunikacija med brezkontaktnimi čitalniki/terminali in prevoznimi mediji - 1. del: Zahteve za izvajanje ISO/IEC 14443
Public transport - Communication between contactless readers and fare media - Part 1: Implementation requirements for ISO/IEC 14443
Osnova: CEN/TS 16794-1:2017
ICS: 35.240.15, 03.220.01, 35.240.60

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

SIST-TS CEN/TS 16794-2:2017 SIST-TS CEN/TS 16794-2:2015
2017-10 (po) (en;fr;de) 46 str. (I)
Javni prevoz - Komunikacija med brezkontaktnimi čitalniki/terminali in prevoznimi mediji - 2. del: Načrt za preskus po ISO/IEC 14443
Public transport - Communication between contactless readers and fare media - Part 2: Test plan for ISO/IEC 14443
Osnova: CEN/TS 16794-2:2017
ICS: 35.240.60, 03.220.01

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

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

SIST-TS CEN/TS 16931-2:2017
2017-10 (po) (en;fr;de) 11 str. (C)
Elektronsko izdajanje računov - 2. del: Seznam sintaks v skladu z EN 16931-1
Electronic invoicing - Part 2: List of syntaxes that comply with EN 16931-1
Osnova: CEN/TS 16931-2:2017
ICS: 03.100.20, 35.240.63

This Technical Specification provides in Clause 7 the list of syntaxes that complies with and allows to express syntactically the core invoice model as specified in FprEN 16931-1:2016, according to the selection criteria provided by the Standardization Request [1].
The selection of the syntaxes also derived from the Standardization Request [1]. It states that, to limit costs on public authorities, the list should ideally not exceed five syntaxes. Four syntaxes were taken into account and assessed according to criteria provided by the Standardization Request [1].

SIST-TS CEN/TS 16931-3-1:2017
2017-10 (po) (en;fr;de) 17 str. (E)
Elektronsko izdajanje računov - 3-1. del: Metodologija za sintakso povezav ključnih elementov elektronskega računa
Electronic invoicing - Part 3-1: Methodology for syntax bindings of the core elements of an electronic invoice
Osnova: CEN/TS 16931-3-1:2017
ICS: 03.100.20, 35.240.63

This CEN Technical Specification (TS) contains the methodology for syntax bindings of the core elements of an electronic invoice. Any rules to be followed when using one of the syntaxes specified in parts CEN/TS 16931-3-2 up to and including CEN/TS 16931-3-5 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 13553:2017 SIST EN 13553:2015
2017-10 (po) (en;fr;de) 13 str. (D)
Netekstilne talne obloge - Polivinilkloridne talne obloge za uporabo na izjemno vlažnih površinah - Specifikacija
Resilient floor coverings - Polyvinyl chloride floor coverings for use in special wet areas - Specification
Osnova: EN 13553:2017
ICS: 97.150

This European standard specifies the minimum additional characteristics which are necessary for:
- polyvinyl chloride floor coverings in roll form according to EN ISO 10581 or EN ISO 10582 and
- polyvinyl chloride floor coverings with foam backing in roll form to EN 651
to be installed satisfactorily in special wet areas to form a watertight installation with a long life. It specifies two categories (A and B) for use on different substrates.

SIST EN 13845:2017 SIST EN 13845:2005
2017-10 (po) (en;fr;de) 19 str. (E)
Netekstilne talne obloge - Polivinilkloridne talne obloge z delci v podlagi za povečanje odpornosti proti drsenju - Specifikacija
Resilient floor coverings - Polyvinyl chloride floor coverings with particle based enhanced slip resistance - Specification
Osnova: EN 13845:2017
ICS: 97.150

This European Standard specifies the characteristics of floor coverings with sustainable enhanced slip resistant characteristics under specified conditions based on polyvinyl chloride and modifications thereof, supplied in either tile or roll form. To encourage the consumer to make an informed choice, this European Standard includes a classification system (see EN 685) based on intensity of use, which shows where resilient floor coverings should give satisfactory service. In addition, this European Standard details the requirements for the information to be included on the packaging labels. The slip measurements are made in a laboratory on ex-factory floor covering surfaces only. The method described is suitable for testing on wet surfaces

SIST EN ISO 1107:2017 SIST EN ISO 1107:2003
2017-10 (po) (en;fr;de) 15 str. (D)
Ribiške mreže - Mreženje - Osnovni pojmi in definicije (ISO 1107:2017)
Fishing nets - Netting - Basic terms and definitions (ISO 1107:2017)
Osnova: EN ISO 1107:2017
ICS: 65.150, 01.040.65

This document gives the principal terms relating to netting for fishing nets, together with their definitions or, in some cases, the method of expressing dimensions.

SIST EN ISO 11378-2:2001/A1:2017
2017-10 (po) (en;fr;de) 7 str. (B)
Tekstilne talne obloge - Laboratorijski preskusi z madeži - 2. del: Preskus z bobnom (ISO 11378-2:2001/Amd 1:2017)
Textile floor coverings - Laboratory soiling tests - Part 2: Drum test - Amendment 1 (ISO 11378-2:2001/Amd 1:2017)
Osnova: EN ISO 11378-2:2001/A1:2017
ICS: 97.150

Dopolnilo A1 je dodatek k standardu SIST EN ISO 11378-2:2001.
A method for assessing the propensity of textile floor coverings to soiling using an artificial soiling compound.

SIST/TC ITIV Tiskana vezja in ravnanje z okoljem

SIST EN 50625-2-3:2017 SIST EN 50574:2012
SIST EN 50574:2012/AC:2013
SIST EN 50574-1:2012/AC:2015

2017-10 (po) (en) 46 str. (I)

Zahteve za zbiranje, logistiko in obdelavo odpadne električne in elektronske opreme (WEEE) - 2-3. del: Zahteve za opremo za toplotno izmenjavo in drugo odpadno električno in elektronsko opremo (WEEE), ki vsebuje VFC in/ali VHC

Collection, logistics & treatment requirements for WEEE - Part 2-3: Treatment requirements for temperature exchange equipment and other WEEE containing VFC and/or VHC

Osnova: EN 50625-2-3:2017
ICS: 97.030, 13.030.30

This European Standard is applicable to the treatment of waste temperature exchange equipment and other WEEE containing VFC or VHC in refrigerants or blowing agents.
This European Standard applies to the treatment of temperature exchange equipment until end-of-waste status is fulfilled, or temperature exchange equipment fractions are recycled, recovered, or disposed of.
This European Standard addresses all operators involved in the treatment including related handling, sorting and storage of temperature exchange equipment.

SIST EN 61188-7:2017 SIST EN 61188-7:2010

2017-10 (po) (en) 23 str. (F)

Plošče tiskanih vezij in sestavi plošč tiskanih vezij - Oblika in uporaba - 7. del: Ničelna orientacija elektronske komponente za izdelavo knjižnice CAD

Printed boards and printed board assemblies - Design and use - Part 7: Electronic component zero orientation for CAD library construction

Osnova: EN 61188-7:2017
ICS: 31.180

This part of IEC 61188 establishes a consistent technique for the description of electronic component orientation, and their land pattern geometries. This facilitates and encourages a common data capture and transfer methodology amongst and between global trading partners.

SIST EN 61189-5-503:2017

2017-10 (po) (en) 26 str. (F)

Preskusne metode za električne materiale, tiskane plošče ter druge povezovalne strukture in sestave - 5-503. del: Splošne preskusne metode za materiale in sestave - Preskušanje tiskanih vezij s prevodnimi anodnimi vlakni (CAF)

Test methods for electrical materials, printed boards and other interconnection structures and assemblies - Part 5-503: General test methods for materials and assemblies - Conductive Anodic Filaments (CAF) testing of circuit boards

Osnova: EN 61189-5-503:2017
ICS: 31.180

This part of IEC 61189 specifies the conductive anodic filament (hereafter referred to as CAF) and specifies not only the steady-state temperature and humidity test, but also a temperaturehumidity cyclic test and an unsaturated pressurized vapour test (HAST).

SIST-TS CLC/TS 50625-3-3:2017
2017-10 (po) (en) 34 str. (H)
Zahteve za zbiranje, logistiko in obdelavo odpadne električne in elektronske opreme (WEEE) - 3-3. del: Specifikacija za preprečevanje onesnaženja - WEEE, ki vsebuje CRT in ravne ekrane
Collection, logistics & treatment requirements for WEEE - Part 3-3: Specification for de-pollution - WEEE containing CRTs and flat panel displays
Osnova: CLC/TS 50625-3-3:2017
ICS: 31.120, 13.030.99

Clause 1 of CLC/TS 50625-3-1:2015 is replaced with the following:
This European Technical Specification is intended to be used in conjunction with CLC/TS 50625-3-1 Collection, logistics and treatment requirements for WEEE - Part 1: General treatment requirements, EN 50625 1, Collection, logistics and Treatment requirements for WEEE - Part 2-2: Treatment requirements for WEEE containing CRTs and flat panel displays, EN 50625-2-2 and Collection, logistics and treatment requirements for WEEE - Part 3-1: Specification for de-pollution - General, CLC/TS 50625-3-1.

SIST-TS CLC/TS 50625-3-4:2017
2017-10 (po) (en) 60 str. (J)
Zahteve za zbiranje, logistiko in obdelavo odpadne električne in elektronske opreme (WEEE) - 3-4. del: Specifikacija za preprečevanje onesnaženja - Oprema za toplotno izmenjavo
Collection, logistics & treatment requirements for WEEE - Part 3-4: Specification for de-pollution - temperature exchange equipment
Osnova: CLC/TS 50625-3-4:2017
ICS: 13.030.99

This Technical Specification is intended to be used in conjunction with the WEEE Treatment Standard for temperature exchange equipment, EN 50625-2-3, and the Technical Specification for de-pollution, CLC/TS 50625 3-1.

SIST-TS CLC/TS 50625-5:2017
2017-10 (po) (en) 24 str. (F)
Zahteve za zbiranje, logistiko in obdelavo odpadne električne in elektronske opreme (WEEE) - 5. del: Specifikacija za obdelavo frakcij WEEE - Baker in plemenite kovine
Collection, logistics & Treatment requirements for WEEE - Part 5: Specification for the final treatment of WEEE fractions - Copper and precious metals
Osnova: CLC/TS 50625-5:2017
ICS: 13.030.99

This Technical Specification addresses the processes regarding the recycling of copper and/or precious metals contained in WEEE and fractions of WEEE.
NOTE 1 For the treatment of WEEE EN 50625-1 applies.
This Technical Specification relates to the chemical and metallurgical processes used for the recycling of copper and/or precious metals contained in WEEE and fractions of WEEE, thereby differentiating it from manual/mechanical processing (see Annex A).
All chemical and metallurgical processes are included up and until the output materials will be used for their original purpose or for other purposes or will be finally disposed of.
NOTE 2 The main precious metals concerned are gold, silver, and palladium.
NOTE 3 The majority of the WEEE volumes that are processed by final treatment operators consists of fractions of WEEE (e.g. circuit boards) containing copper and/or precious metals, however there may be whole small WEEE that can be treated directly in final treatment (e.g. USB sticks).
NOTE 4 Chemical and metallurgical processes are processes in which a chemical reaction takes place for example: pyrolysis, smelting, refining, solvent extraction, ion exchange, leaching/dissolution in water acids or base, precipitation, cementation, pressure leaching. They differ from mechanical / physical processes such as sorting and separation based on physical

properties (e.g. density, magnetism, colour) and size reduction processes such as shredding and grinding.
NOTE 5 In general, these final treatment facilities are covered by the IED 2010/75/EU, e.g. copper smelters or refiners.

SIST/TC IVAR Varjenje

SIST EN ISO 15614-1:2017 SIST EN ISO 15614-1:2004
SIST EN ISO 15614-1:2004/A1:2008
SIST EN ISO 15614-1:2004/A2:2012

2017-10 (po) (en;fr;de) 49 str. (I)

Specifikacija in razvrščanje varilnih postopkov za kovinske materiale - Preskus varilnega postopka - 1. del: Obločno in plamensko varjenje jekel in obločno varjenje niklja in nikljevih zlitin (ISO 15614-1:2017)

Specification and qualification of welding procedures for metallic materials - Welding procedure test - Part 1: Arc and gas welding of steels and arc welding of nickel and nickel alloys (ISO 15614-1:2017)

Osnova: EN ISO 15614-1:2017
ICS: 77.120.40, 77.080.20, 25.160.10

This European Standard is part of a series of standards, details of this series are given in prEN ISO 15607, annex A.
This standard specifies how a preliminary welding procedure specification is qualified by welding procedure tests.
This standard defines the conditions for the execution of welding procedure tests and the range of qualification for welding procedures for all practical welding operations within the range of variables listed in clause 8.
Tests shall be carried out in accordance with this standard. Additional tests may be required by application standards.
This standard applies to the arc and gas welding of steels in all product forms and the arc welding of nickel and nickel alloys in all product forms
Arc and gas welding are covered by the following processes in accordance with EN ISO 4063:
111 - manual metal arc welding (metal-arc welding with covered electrode);
114 - self-shielded tubular-cored arc welding;
12 - submerged arc welding;
131 - metal inert gas welding, MIG welding;
135 - metal active gas welding, MAG welding;
136 - tubular-cored metal arc welding with active gas shield;
137 - tubular-cored metal arc welding with inert gas shield;
141 - tungsten inert gas arc welding; TIG welding;
15 - plasma arc welding;
311 - oxy-acetylene welding.
The principles of this European Standard may be applied to other fusion welding processes.

SIST/TC IŽNP Železniške naprave

SIST EN 13848-5:2017 SIST EN 13848-5:2008+A1:2011

2017-10 (po) (en;fr;de) 25 str. (F)

Železniške naprave - Zgornji ustroj - Kakovost tirne geometrije - 5. del: Ravni kakovosti tirne geometrije - Preproste linije, kretnice in križišča

Railway applications - Track - Track geometry quality - Part 5: Geometric quality levels - Plain line, switches and crossings

Osnova: EN 13848-5:2017
ICS: 45.080, 93.100

This European Standard defines the minimum requirements for the quality levels of track geometry, and specifies the safety related limits for each parameter as defined in EN 13848-1 and measured by any track geometry measurement system as defined in EN 13848-2, EN 13848-3 and EN 13848-4.
This standard covers the following topics:
- immediate action limits;
- recommendations on tolerance levels for isolated defects;
- relative importance of parameters with respect to the vehicle behaviours;
The necessity to measure, the frequency of measurements and the selection of measured parameters are not covered by this standard.
This European Standard applies to high-speed and conventional lines, including switches and crossings, of 1 435 mm and wider gauge railways provided that the vehicles operated on those lines comply with EN 14363 and other vehicle safety standards.

SIST EN 16186-2:2017
2017-10 (po) (en;fr;de) 74 str. (L)
Železniške naprave - Voznikova kabina - 2. del: Združevanje slikovnih zaslonov ter krmilnih in prikazovalnih elementov
Railway applications - Driver's cab - Part 2: Integration of displays, controls and indicators
Osnova: EN 16186-2:2017
ICS: 45.060.10

This standard gives design rules and guidance in order to ensure a proper visibility, luminance and contrast of screens, controls and indicators in the cab in all operating conditions (day, night, natural or artificial incidental lighting).
It covers two aspects:
Necessary characteristics of the screens, controls and indicators in order to ensure a proper visibility: range of luminance and contrast, and possibility of adjustment of perceived brightness.
Rules for installation of the screens, keyboards, controls and indicators in the cab and on the driver's desk: position, angle of visibility, etc. with consideration of the normal driving position and of the working environment (windscreen, natural or artificial lighting in the cab, unwanted glare and reflections, etc.).

SIST EN 16432-2:2017
2017-10 (po) (en;fr;de) 115 str. (N)
Železniške naprave - Progovni sistemi z utrjenimi tirnicami - 2. del: Projektiranje sistema, podsistemi in sestavni deli
Railway applications - Ballastless track systems - Part 2: System design, subsystems and components
Osnova: EN 16432-2:2017
ICS: 45.080, 93.100

This part of prEN 16432 covers system and subsystem design and component configuration for ballastless track system.
The system and subsystem design requirements are assigned from the general requirements of prEN 16432 1:2014. Where applicable existing subsystem or component requirements from other standards are to be referenced.

SIST/TC KON.007 Geotehnika - EC 7

SIST EN ISO 22476-11:2017 SIST-TS CEN ISO/TS 22476-11:2008
2017-10 (po) (en) 24 str. (F)
Geotehnično preiskovanje in preskušanje - Preskušanje na terenu - 11. del: Ploskovni dilatometrski preskus (ISO 22476-11:2017)
Geotechnical investigation and testing - Field testing - Part 11: Flat dilatometer test (ISO 22476-11:2017)
Osnova: EN ISO 22476-11:2017
ICS: 93.020

This document establishes guidelines for the equipment requirements, execution of and reporting on flat dilatometer tests.
NOTE This document fulfils the requirements for flat dilatometer tests as part of the geotechnical investigation and testing according to EN 1997-1 and EN 1997-2.
The basic flat dilatometer test consists of inserting vertically into the soil a blade-shaped steel probe with a thin expandable circular steel membrane mounted flush on one face and determining two pressures at selected depth intervals: the contact pressure exerted by the soil against the membrane when the membrane is flush with the blade and, subsequently, the pressure exerted when the centraldisplacement of the membrane reaches 1,10 mm.
Results of flat dilatometer tests are used mostly to obtain information on soil stratigraphy, *in situ* state of stress, deformation properties and shear strength. It is also used to detect slip surfaces in clays. The flat dilatometer test is most applicable to clays, silts and sands, where particles are small compared to the size of the membrane.

SIST/TC KŽP Kmetijski pridelki in živilski proizvodi

SIST EN 15510:2017 SIST EN 15510:2007
2017-10 (po) (en;fr;de) 29 str. (G)
Krma: metode vzorčenja in analize - Določevanje kalcija, natrija, fosforja, magnezija, kalija, železa, cinka, bakra, mangana, kobalta, molibdena in svinca z ICP-AES
Animal feeding stuffs: Methods of sampling and analysis - Determination of calcium, sodium, phosphorus, magnesium, potassium, iron, zinc, copper, manganese, cobalt, molybdenum and lead by ICP-AES
Osnova: EN 15510:2017
ICS: 65.120

This European Standard specifies the inductively coupled plasma atomic emission spectroscopy (ICP-AES) method for the determination of the elements calcium, sodium, phosphorus, magnesium, potassium, iron, zinc, copper, manganese, cobalt, molybdenum and lead.
The elements calcium, sodium, phosphorus, magnesium, potassium, iron, zinc, copper, manganese, cobalt, molybdenum and lead are extracted either in feeds mainly consisting of organic matter after dry ashing and dissolving in hydrochloric acid or in feeds mainly consisting of inorganic matter after wet digestion with hydrochloric acid.
For the determination of extractable lead in minerals and feeds containing phyllosilicates (e.g. kaolinite clay) wet digestion with nitric acid should be used.
The method was successfully tested for:
- calcium, sodium, phosphorus, magnesium, potassium, iron, zinc, copper, manganese, cobalt and molybdenum in the following animal feeding stuffs: 2 complete feeds (pig feed, sheep feed), 1 feed material (phosphate), 1 mineral premixture and 2 complementary feeds (2 mineral feeds),
- lead in 2 feed materials (phosphate, $CaCO_3$), 2 feed additives (Bentonite, $CuSO_4$), 1 complementary feed (mineral feed)
The method detection limit for each element is dependent on the sample matrix and the instrument. The method is not applicable for the determination of a low concentration of elements. The limit of quantification should be 3 mg/kg or lower.

This method also applies for the determination in products with high element content (>5 %). For this purpose the accuracy of the method has to be checked individually.
NOTE 1 EN 15621 uses the pressure digestion mode, therefore lower results may be obtained with the described method in this standard.

SIST EN 15550:2017 SIST EN 15550:2008
2017-10 (po) (en;fr;de) 18 str. (E)
Krma: metode vzorčenja in analize - Določevanje kadmija in svinca z atomsko absorpcijsko spektrometrijo (GF-AAS) z grafitno kiveto po razklopu pod tlakom
Animal feeding stuffs: Methods of sampling and analysis - Determination of cadmium and lead by graphite furnace atomic absorption spectrometry (GF-AAS) after pressure digestion
Osnova: **EN 15550:2017**
ICS: **65.120**

This European Standard specifies a method for the determination of the elements cadmium and lead in animal feeding stuffs by graphite furnace atomic absorption spectrometry (GF-AAS) after pressure digestion.
The method was successfully tested in the range of 0,015 to 5,65 mg/kg for Cd and 0,18 to 40,3 mg/kg for lead in 11 animal feeds: 2 complete feeds (pig feed, sheep feed), 2 complementary feeds (2 mineral feeds), 1 mineral premixture, 4 feed materials (MgO, 2 phosphates, CaCO3) and 2 feed additives (CuSO4, bentonite).
For the determination of extractable lead in minerals and feeds, containing phyllosilicates (e.g. kaolinite clay) wet digestion with nitric acid should be used.
The method limit of quantification for each element is dependent on the sample matrix as well as the instrument. For cadmium a limit of quantification of 0,05 mg/kg should normally be obtained while for lead, a limit of quantification of 0,5 mg/kg should be obtained.

SIST EN 15621:2017 SIST EN 15621:2012
2017-10 (po) (en;fr;de) 41 str. (I)
Krma: metode vzorčenja in analize - Določevanje kalcija, natrija, fosforja, magnezija, kalija, žvepla, železa, cinka, bakra, mangana in kobalta po razklopu pod tlakom z ICP-AES
Animal feeding stuffs: Methods of sampling and analysis - Determination of calcium, sodium, phosphorus, magnesium, potassium, sulphur, iron, zinc, copper, manganese and cobalt after pressure digestion by ICP-AES
Osnova: **EN 15621:2017**
ICS: **65.120**

This European Standard specifies a method for the determination of the elements calcium, sodium, phosphorus, magnesium, potassium, sulphur, iron, zinc, copper, manganese and cobalt in animal feeding stuffs by inductively coupled plasma atomic emission spectrometry (ICP-AES) after pressure digestion.
The method was fully statistically tested and evaluated for the elements calcium, sodium, phosphorus, magnesium, potassium, sulphur, iron, zinc, copper, manganese and cobalt within the following 11 animal feeds: 2 complete feeds (pig feed, sheep feed), 3 complementary feeds (3 mineral feeds), 1 mineral premixture, 3 feed materials (MgO, phosphate, CaCO3) and 2 feed additives (CuSO4, bentonite).
For potassium and sulphur the HORRAT values were mostly higher than 2. Therefore, for these elements the method is more applicable as a screening method and not for confirmatory purposes.
Other elements like molybdenum, lead, cadmium, arsenic were not fully statistically tested and evaluated within 11 animal feeding stuff samples because these elements did not occur in concentrations higher than the limit of quantification in most of these samples. A single laboratory validation is therefore necessary for the use of this multi element method for these elements.
For the determination of extractable lead in minerals and feeds, containing phyllosilicates (e.g. kaolinite clay) wet digestion with nitric acid should be used.

The method limit of quantification for each element is dependent on the sample matrix as well as on the instrument. The method is not applicable for determination of low concentrations of elements. A limit of quantification of 1 mg/kg should normally be obtained.
NOTE 1 This method can also be used for the determination in products with high content (> 5 %) of the element to be measured, but for this purpose the accuracy of the method has to be checked individually.
NOTE 2 Results of this European Standard EN 15621 may be higher than of EN 15510 because EN 15621 is using pressure digestion mode.

SIST EN 16939:2017
2017-10 (po) (en;fr;de) 26 str. (F)
Krma: metode vzorčenja in analize - Določevanje tilozina, spiromicina in virginiamicina - Tenkoplastna kromatografija in bioavtografija
Animal feeding stuffs: Methods of sampling and analysis - Detection of tylosin, spiramycin and virginiamycin - Thin Layer Chromatography and bioautography
Osnova: EN 16939:2017
ICS: 65.120

The method makes it possible to detect and identify spiramycin, tylosin and virginiamycin in animal feeding stuffs (feed raw materials of mainly plant origin and compound feeds) excluding mineral feeds and premixtures. The limit of detection is about 2 mg/kg for spiramycin, 1 mg/kg for tylosin and 1 mg/kg for virginiamycin. In some milk replacers, it can be slightly higher than 1 mg/kg for virginiamycin.
NOTE Reported limits of detection are probably little overestimated but were fully validated during the collaborative study (see Annex B). In each laboratory, each day of analysis, spiked blank samples at 1 mg/kg for spiramycin and virginiamycin and at 0,5 mg/kg for tylosin are analysed for checking lower detection limits (see 9.2 and 9.3). These lower limits of detection are achievable, but should be established with an in-house validation first.
Some other antibiotics may interfere in the detection of these 3 specific macrolide antibiotics. The known interferences are specified in Annex A of the method.
That method should be used as a qualitative screening and/or a post-screening method (after microbiological plate test, for example). The follow-up of the antibiotics presence may be done by other analytical technics (LC and/or LC-MS technics) [4] [9]. For confirmatory purposes, LCMS is required.

SIST/TC MOC Mobilne komunikacije

SIST EN 301 908-13 V11.1.2:2017
2017-10 (po) (en) 85 str. (M)
Celična omrežja IMT - Harmonizirani standard, ki zajema bistvene zahteve člena 3.2 direktive 2014/53/EU - 13. del: Uporabniška oprema za razviti prizemni radijski dostop za UMTS (E-UTRA)
IMT cellular networks - Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU - Part 13: Evolved Universal Terrestrial Radio Access (E-UTRA) User Equipment (UE)
Osnova: ETSI EN 301 908-13 V11.1.2 (2017-07)
ICS: 33.070.99, 33.060.99

The present document applies to the following radio equipment type:
• User Equipment for Evolved Universal Terrestrial Radio Access (E-UTRA).
This radio equipment type is capable of operating in all or any part of the frequency bands given in tables from 1-1 through 1-5.
The present document covers requirements for E-UTRA FDD and E-UTRA TDD User Equipment from 3GPP™ Releases 8, 9, 10 and 11 defined in ETSI TS 136 101 [3]. This includes the requirements for E-UTRA UE operating bands and E-UTRA CA operating bands from 3GPP™ Release 12 defined in ETSI TS 136 101 [i.13]. NOTE: For Band 20:

•• For user equipment designed to be mobile or nomadic, the requirements in the present document measured at the antenna port also show conformity to the corresponding requirement defined as TRP (total radiated power), as described in Commission Decision 2010/267/EU [i.6], ECC Decision (09)03 [i.7] and CEPT Report 30 [i.8].
•• For user equipment designed to be fixed or installed, the present document does not address the requirements described in Commission Decision 2010/267/EU [i.6], ECC Decision (09)03 [i.7] and CEPT Report 30 [i.8].
The present document contains requirements to demonstrate that radio equipment both effectively uses and supports the efficient use of radio spectrum in order to avoid harmful interference.
The present document covers the essential requirements of article 3.2 of Directive 2014/53/EU [i.2] under the conditions identified in annex A.

SIST EN 301 908-2 V11.1.2:2017
2017-10 (po) (en) 57 str. (J)
Celična omrežja IMT - Harmonizirani standard, ki zajema bistvene zahteve člena 3.2 direktive 2014/53/EU - 2. del: CDMA z neposrednim razprševanjem ("Direct Spread") (UTRA FDD) (UE)
IMT cellular networks - Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU - Part 2: CDMA Direct Spread (UTRA FDD) User Equipment (UE)
Osnova: ETSI EN 301 908-2 V11.1.2 (2017-08)
ICS: 33.070.99, 33.060.99

The present document covers requirements for UTRA FDD User Equipment from 3GPP™ Releases 99, 4, 5, 6, 7, 8, 9, 10 and 11 defined in ETSI TS 125 101 [4]. This include the requirements for UE operating bands from 3GPP™
Release 12 defined in ETSI TS 125 101 [4]. In addition, the present document covers requirements for UTRA FDD User Equipment in the operating bands specified in ETSI TS 102 735 [i.4].
NOTE: For Band XX:
- for user equipment designed to be mobile or nomadic, the requirements in the present document measured at the antenna port also show conformity to the corresponding requirement defined as TRP (Total Radiated Power), as described in Commission Decision 2010/267/EU [i.6], ECC Decision (09)03 [i.7] and CEPT Report 30 [i.8];
- for user equipment designed to be fixed or installed, the present document does not address the requirements described in Commission Decision 2010/267/EU [i.6], ECC Decision (09)03 [i.7] and CEPT Report 30 [i.8].
The present document contains requirements to demonstrate that radio equipment both effectively uses and supports the efficient use of radio spectrum in order to avoid harmful interference.
The present document covers the essential requirements of article 3.2 of Directive 2014/53/EU [i.2] under the conditions identified in annex A.

SIST EN 302 065-5 V1.1.1:2017
2017-10 (po) (en) 29 str. (G)
Naprave kratkega dosega (SRD), ki uporabljajo ultra širokopasovno (UWB) tehnologijo - Harmonizirani standard, ki zajema bistvene zahteve člena 3.2 direktive 2014/53/EU - 5. del: Naprave, ki uporabljajo tehnologijo UWB na letalu
Short Range Devices (SRD) using Ultra Wide Band technology (UWB) - Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU - Part 5: Devices using UWB technology onboard aircraft
Osnova: ETSI EN 302 065-5 V1.1.1 (2017-09)
ICS: 49.090, 33.060.99

The present document applies to transceivers, transmitters and receivers utilizing Ultra WideBand (UWB) technologies and used onboard aircraft, i.e. radio links for intra-aircraft communications purposes inside an aircraft.

The present document applies to impulse, modified impulse and RF carrier based UWB communication technologies.
The present document applies to UWB equipment with an output connection used with a dedicated antenna or UWB equipment with an integral antenna.
Equipment covered by the present document operates in accordance with CEPT ECC/DEC(12)03 [i.2] "The harmonized conditions for UWB applications onboard aircraft

SIST EN 302 636-4-1 V1.3.1:2017
2017-10 (po) (en) 97 str. (M)
Inteligentni transportni sistemi (ITS) - Komunikacije med vozili - Geomreženje - 4. del: Geografsko naslavljanje in podajanje pri komunikacijah točka-točka in točka-več točk - 1. poddel: Medijsko neodvisna funkcionalnost
Intelligent Transport Systems (ITS) - Vehicular Communications - GeoNetworking - Part 4: Geographical addressing and forwarding for point-to-point and point-to-multipoint communications - Sub-part 1: Media-Independent Functionality
Osnova: ETSI EN 302 636-4-1 V1.3.1 (2017-08)
ICS: 35.240.60

The present document applies to transceivers, transmitters and receivers utilizing Ultra WideBand (UWB) technologies and used onboard aircraft, i.e. radio links for intra-aircraft communications purposes inside an aircraft.
The present document applies to impulse, modified impulse and RF carrier based UWB communication technologies.
The present document applies to UWB equipment with an output connection used with a dedicated antenna or UWB equipment with an integral antenna.
Equipment covered by the present document operates in accordance with CEPT ECC/DEC(12)03 [i.2] "The harmonized conditions for UWB applications onboard aircraft

SIST EN 50288-12-1:2017
2017-10 (po) (en) 17 str. (E)
Večelementni kovinski kabli za analogne in digitalne komunikacije in krmiljenje - 12-1. del: Področna specifikacija za zaslonjene kable z lastnostmi od 1 MHz do 2000 MHz - Vodoravni (etažni) in stavbni hrbtenični (medetažni) kabli
Multi-element metallic cables used in analogue and digital communications and control - Part 12-1: Sectional specification for screened cables characterised from 1 MHz up to 2 000 MHz - Horizontal and building backbone cables
Osnova: EN 50288-12-1:2017
ICS: 33.120.20

This sectional specification relates to EN 50288 1, Multi-element metallic cables used in analogue and digital communication and control.
It covers screened cables, characterized up to 2 000 MHz, to be used in data centres, horizontal and building backbone wiring for Information technology, Generic-cabling systems.
The electrical, mechanical, transmission and environmental performance characteristics of the cables, related to their reference test methods, are detailed.
NOTE With backwards compatibility.
This sectional specification is to be read in conjunction with EN 50288 1, which contains the essential provisions for its application.

SIST EN 60154-4:2017 SIST HD 129.4 S1:2002
2017-10 (po) (en) 20 str. (E)
Ustrezne specifikacije za prirobnice za krožne valovode (IEC 60154-4:2017)
Relevant specifications for flanges for circular waveguides (IEC 60154-4:2017)
Osnova: EN 60154-4:2017
ICS: 33.120.10

This part of IEC 60154-4 specifies the dimensions of flanges for circular waveguides for use in electronic equipment.
It covers requirements for flanges drilled before or after mounting on waveguides. The aim of this document is to specify for waveguide flanges the mechanical requirements necessary to ensure compatibility and, as far as practicable, interchangeability as well as to ensure adequate electrical performance.

SIST EN 60794-1-3:2017
2017-10 (po) (en;fr;de) 10 str. (C)
Optični kabli - 1-13. del: Rodovna specifikacija - Elementi optičnih kablov (IEC 60794-1-3:2017)
Optical fibre cables - Part 1-3: Generic specification - optical cable elements (IEC 60794-1-3:2017)
Osnova: EN 60794-1-3:2017
ICS: 33.180.10

This part of IEC 60794 is a generic specification covering optical cable elements.
Requirements which are described in this document apply to elements of optical fibre cables for use with telecommunication equipment and devices employing similar techniques. The elements which are the subject of this document are those which apply to several cable types of IEC 60794 (all parts) and as defined by sectional specifications IEC 60794-2, IEC 60794-3, IEC 60794-4, and IEC 60794-5. The requirements for cable elements are described in the IEC 60794-1-3X series for which the IEC 60794-1-311 is the first one, and family specifications and detailed specifications of the aforementioned sectional specifications can define specific cables families and types.

SIST EN 61280-4-4:2017 SIST EN 61280-4-4:2006
2017-10 (po) (en) 85 str. (M)
Postopki preskušanja optičnega komunikacijskega podsistema - 4-4. del: Kabelske oblike in povezave - Meritve polarizacijske razpršitve v vgrajenih povezavah (IEC 61280-4-4:2017)
Fibre optic communication subsystem test procedures - Part 4-4: Cable plants and links - Polarization mode dispersion measurement for installed links (IEC 61280-4-4:2017)
Osnova: EN 61280-4-4:2017
ICS: 33.180.01

This part of IEC 61280 provides uniform methods of measuring polarization mode dispersion (PMD) of single-mode installed links. An installed link is the optical path between transmitter and receiver, or a portion of that optical path. These measurements can be used to assess the suitability of a given link for high bit rate applications, or to provide insight on the relationships of various related transmission attributes. This document focuses on the measurement methods and requirements for measuring long lengths of installed cabling that can also include other optical elements, such as splices, connectors, amplifiers, chromatic dispersion compensating modules, dense wavelength division multiplexing or multiplexer (DWDM) components, multiplexers, wavelength selective switches, re-configurable optical
add drop multiplexer (ROADMS).
This document focuses on the apparatus, procedures, and calculations needed to complete measurements. IEC TR 61282-9 explains the theory behind the test methods.

SIST EN 62150-5:2017
2017-10 (po) (en) 16 str. (D)
Aktivne optične komponente in naprave - Preskusni in merilni postopki - 5. del: Čas za nastavljanje na valovno dolžino kanala z nastavljivimi oddajniki (IEC 62150-5:2017)
Fibre optic active components and devices - Test and measurement procedures - Part 5: Wavelength channel tuning time of tuneable transmitters (IEC 62150-5:2017)
Osnova: EN 62150-5:2017
ICS: 33.180.01

This part of IEC 62150 specifies test and measurement procedures for the wavelength channel tuning time of tuneable transmitters. It applies to laser transmitters, and to the transmitter portion of transceivers. This procedure examines whether the device or module satisfies the appropriate performance specification.
The method described in this document uses optical filters to transfer the transition of the output wavelength to the transition of the optical power. This is because the transient response of the output wavelength before stabilization at steady-state of the target wavelength channel is too fast to measure using a wavelength meter or an optical spectrum analyser. Reference optical filter sets are described in Annex A.

SIST/TC NAD Naftni proizvodi, maziva in sorodni proizvodi

SIST EN 15470:2017 SIST EN 15470:2008
2017-10 (po) (en;fr;de) 14 str. (D)
Utekočinjeni naftni plini - Določevanje raztopljenih ostankov - Metoda plinske kromatografije z visoko temperaturo
Liquefied petroleum gases - Determination of dissolved residues - High temperature Gas chromatographic method
Osnova: **EN 15470:2017**
ICS: **71.040.50, 75.160.30**

Revision of test method to cover safety concerns and updating to current state of the art.
This European Standard specifies a method for determining the dissolved residual matter in liquefied petroleum gases (LPG), in the range of 40 mg/kg to 100 mg/kg. Higher concentrations can be determined by adjusting the sample size.
The dissolved residue is the amount of organic compounds that are detectable by gas chromatography after evaporation of the sample at ambient temperature and then in an oven at 105 °C.
This method is not suitable for detecting solid materials or for possibly high molecular weight polymers (> 1 000 g).
The advantages of this method are that a small quantity of LPG (50 g to 75 g) is required and the qualitative data available may indicate the origin of the residues (gas-oil, lubricants, plasticizers, etc.).
This method has been developed as a potential replacement of the commonly used method described in EN ISO 13757 [1], but is safer and more environmentally friendly. In addition, this new method is more accurate.
The precision data of the method have been determined from 20 mg/kg to 100 mg/kg. For a higher content of residue, the precision has not been tested, but remains of lesser interest as typical specifications are in the range of 20 mg/kg to 100 mg/kg.

SIST EN 15471:2017 SIST EN 15471:2008
2017-10 (po) (en;fr;de) 10 str. (C)
Utekočinjeni naftni plini - Določevanje raztopljenih ostankov - Visokotemperaturna gravimetrijska metoda
Liquefied petroleum gases - Determination of dissolved residues - High-temperature gravimetric method
Osnova: **EN 15471:2017**
ICS: **75.160.30**

This Standard specifies a method, for determining the residual matter in liquefied petroleum gases (LPG), which remains after evaporation at 105 °C. This material represents those products deposited in car LPG vaporizers that are subject to a temperature equal to or greater than the boiling temperature of water. The range of determination extends from 50 mg/kg to 100 mg/kg. Higher concentrations can be determined by adjusting the sample size.

The precision data of the method have been determined from 20 mg/kg to 100 mg/kg, with samples amount from 100 g to 50 g.
This method has been developed as a potential replacement of the commonly used method EN ISO 13757 [1], The advantages of the method are that a small quantity of LPG (100 ml) is required.

SIST EN 15984:2017 SIST EN 15984:2011
2017-10 (po) (en;fr;de) 22 str. (F)
Naftna industrija in proizvodi - Določevanje sestave rafinerijskega plina za ogrevanje in izračunavanje vsebnosti ogljika in kalorične vrednosti - Plinska kromatografska metoda
Petroleum industry and products - Determination of composition of refinery heating gas and calculation of carbon content and calorific value - Gas chromatography method
Osnova: EN 15984:2017
ICS: 71.040.50, 75.160.30

This European Standard specifies a gas chromatographic analysis for the determination of the composition of fuel gases, as used in refinery heating gas. These results are used to calculate the carbon content and the lower calorific value.
With this gas chromatographic analysis, an overall of 23 refinery heating gas components are determined in concentrations as typically found in refineries (see Table 1 for further details).
Water is not analysed. The results represent dry gases.
NOTE 1 Depending on the equipment used, there is a possibility to determine higher hydrocarbons as well.
NOTE 2 For the purposes of this European Standard, the terms "% (*V/V*)" is used to represent the volume fraction (φ).
WARNING — The use of this standard can involve hazardous materials, operations and equipment. This document does not purport to address all of the safety problems associated with its use. It is the responsibility of users of this standard to take appropriate measures to ensure the safety and health of personnel prior to application of the document, and fulfil statutory and regulatory requirements for this purpose.

SIST EN 1601:2017 SIST EN 1601:2014
SIST EN 1601:2014/AC:2014
2017-10 (po) (en;fr;de) 20 str. (E)
Tekoči naftni proizvodi - Določevanje organskih kisikovih spojin in celotnega organsko vezanega kisika v neosvinčenem motornem bencinu - Metoda s plinsko kromatografijo (O-FID)
Liquid petroleum products - Determination of organic oxygenate compounds and total organically bound oxygen content in unleaded petrol - Method by gas chromatography (O-FID)
Osnova: EN 1601:2017
ICS: 75.160.20, 71.040.50

This European Standard specifies a gas chromatographic method for the quantitative determination, in unleaded petrol having a final boiling point not greater than 220 °C, of individual organic oxygenate compounds in the range 0,17 % (m/m) to 15 % (m/m) in a direct analysis (without dilution), and total organically bound oxygen up to 3,9 % (m/m).
For samples for which one of the oxygenate compounds content is higher than 15 % (m/m), a procedure with a dilution of the sample before the analysis is given.
The revision concerns updating the test method with data discussed in WG9 and comments received at formal vote.

SIST EN 16906:2017
2017-10 (po) (en;fr;de) 19 str. (E)
Tekoči naftni proizvodi - Ugotavljanje kakovosti vžiga dizelskih goriv - Motorna metoda BASF
Liquid petroleum products - Determination of the ignition quality of diesel fuels - BASF engine method
Osnova: **EN 16906:2017**
ICS: **13.220.40, 75.160.20**

This European Standard specifies a test method for the determination of cetane numbers ("CN") in diesel fuel oils using a standard single cylinder, four-stroke cycle, indirect injection engine. The cetane number provides a measure of the ignition characteristics of diesel fuel oil in compression ignition engines. The cetane number is determined at constant speed in a compression ignition test engine equipped with a swirl chamber.
This European Standard is applicable to distillate fuels and fatty-acid methyl esters (FAME) as well as paraffinic diesel fuels, including those containing FAME, ignition-improvers or other additives, intended for use in diesel engines. The Cetane Number scale comprises a range from zero to 100, but typical testing is currently performed in the range from about 40 to about 75 CN.
This engine test procedure may be used for other fuels such as synthetics and vegetable oils. However, samples with fuel properties that interfere with the gravity-based pre-supply pressure to the fuel pump e.g. due to high viscosity can only be used to a limited extent. Precision data for such fuels are not available at this stage. Precision data for paraffinic diesel fuels are currently under development.
NOTE For the purpose of this European Standard the expressions "%(m/m)" and "%(V/V)" are used to represent the mass faction, respectively the volume fraction of a material.
WARNING The use of this standard may involve hazardous materials, operations and equipment. This standard does not purport to address all of the safety problems associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.

SIST EN 16934:2017
2017-10 (po) (en) 12 str. (C)
Goriva za motorna vozila ter maščobni in oljni derivati - Določevanje sterilglikozidov v metilnih estrih maščobnih kislin (FAME) - Metoda z GC-MS s predhodnim čiščenjem s SPE
Automotive fuels and fat and oil derivates - Determination of steryl glycosides in fatty acid methyl esters (FAME) - Method by GC-MS with prior purification by SPE
Osnova: **EN 16934:2017**
ICS: **75.160.20**

This European Standard describes a procedure for the determination of steryl glycosides (SG) in pure fatty acid methyl ester (FAME, often referred to as biodiesel). This method is suitable for the analysis of FAME prepared from vegetable oils. It is possible to quantify the SG content in homogenous samples as well as in samples where the SG started to precipitate.
WARNING — The use of this standard can involve hazardous materials, operations and equipment. This standard does not purport to address all of the safety problems associated with its use. It is the responsibility of users of this standard to take appropriate measures to ensure the safety and health of personnel prior to application of the standard, and fulfil statutory and regulatory requirements for this purpose.

SIST EN 16997:2017
2017-10 (po) (en;fr;de) 14 str. (D)
Tekoči naftni proizvodi - Določevanje žvepla v motornem gorivu etanol (E85) - Metoda z valovno-disperzno rentgensko fluorescenčno spektrometrijo
Liquid petroleum products - Determination of the sulfur content in Ethanol (E85) automotive fuel - Wavelength dispersive X-ray fluorescence spectrometric method
Osnova: **EN 16997:2017**
ICS: **71.040.50, 75.160.20**

This European Standard specifies a wavelength-dispersive X-ray fluorescence (WDXRF) test method for the determination of the sulfur content in ethanol (E85) automotive fuel [3], containing ethanol between 50 % (*V/V*) and 85 % (*V/V*), from 5 mg/kg to 20 mg/kg, using instruments with either monochromatic or polychromatic excitation.
NOTE 1 Sulfur contents higher than 20 mg/kg can be determined after sample dilution with an appropriate
solvent. However, the precision was not established for diluted samples.
NOTE 2 For the purposes of this European Standard, the terms "% (*m/m*)" and "% (*V/V*)" are used to represent the mass fraction (μ) and the volume fraction (φ) of a material respectively.
WARNING — The use of this Standard can involve hazardous materials, operations and equipment. This Standard does not purport to address all of the safety problems associated with its use. It is the responsibility of users of this standard to take appropriate measures to ensure the safety and health of personnel prior to application of the standard, and fulfil statutory and regulatory requirements for this purpose.

SIST EN ISO 6145-6:2017 SIST EN ISO 6145-6:2008
2017-10 (po) (en;fr;de) 34 str. (H)
Analiza plinov - Priprava kalibracijskih plinskih zmesi z uporabo dinamičnih volumetričnih metod - 6. del: Kritične šobe (ISO 6145-6:2017)
Gas analysis - Preparation of calibration gas mixtures using dynamic methods - Part 6: Critical flow orifices (ISO 6145-6:2017)
Osnova: EN ISO 6145-6:2017
ICS: 71.040.40

This document specifies a method for the dynamic preparation of calibration gas mixtures containing at least two gases (usually one of them is a complementary gas) from pure gases or gas pre-mixtures using critical flow orifices systems.
The method applies principally to the preparation of mixtures of non-reactive gases that do not react with any of the materials forming the gas circuit inside the critical flow orifices system or auxiliary equipment. It has the merit of allowing multi-component mixtures to be prepared as readily as binary mixtures if an appropriate number of critical flow orifices are used.
By selecting appropriate combinations of critical flow orifices, a dilution ratio of 1 × 104 is achievable. Although it is more particularly applicable to the preparation of gas mixtures at atmospheric pressure, the method also offers the possibility of preparing calibration gas mixtures at pressures greater than atmospheric. The upstream pressure will need to be at least two times higher than downstream pressure.
The range of flow rates covered by this document extends from 1 ml/min to 10 l/min.

SIST-TP CEN/TR 16389:2017 SIST-TP CEN/TR 16389:2012
2017-10 (po) (en) 41 str. (I)
Goriva za motorna vozila - Parafinsko dizelsko gorivo in mešanice s FAME - Zahtevani parametri, njihove omejitve ter določevanje
Automotive fuels - Paraffinic diesel fuel and blends with FAME - Background to the parameters required and their respective limits and determination
Osnova: CEN/TR 16389:2017
ICS: 75.160.20

This Technical Report explains the requirements and test methods for marketed and delivered paraffinic diesel as such from synthesis (XTL) or hydrotreatment (HVO) and of blends thereof with up to 7%(*V/V*) of fatty acid methyl esters (FAME) according to European fuel specifications. It provides background information to judge the final text of the European Standard EN 15940 and gives guidance and explanations to the producers, blenders, marketers and users of paraffinic automotive diesel.
Paraffinic diesel is a high quality, clean burning fuel with virtually no sulfur and aromatics. Paraffinic diesel fuel can be used in diesel engines, also to reduce regulated

emissions. In order to have the greatest possible emissions reduction, a specific calibration may be necessary. Paraffinic diesel fuel can also offer a meaningful contribution to the target of increased non-crude derived and/or renewable content in transportation fuel pool.
For general diesel engine warranty, paraffinic automotive diesel fuel may need a validation step to confirm the compatibility of the fuel with the vehicle, which for some existing engines may still need to be done. The vehicle manufacturer needs to be consulted before use.
NOTE 1 This document is directly related to the development of EN 15940 and will be updated once further publications take place.
NOTE 2 Paraffinic diesel is also used as a blending component in automotive diesel fuel. In that case, composition and properties of the final blends are defined by relevant fuel specification standards.
NOTE 3 For the purposes of this document, the term "% (*m/m*)" and "% (*V/V*)" are used to represent the mass fraction, μ, and the volume fraction, φ, respectively.

SIST/TC OCE Oprema za ceste

SIST EN 12675:2017 SIST EN 12675:2002
2017-10 (po) (en;fr;de) 21 str. (F)
Krmilniki za svetlobne prometne znake - Funkcionalne varnostne zahteve
Traffic signal controllers - Functional safety requirements
Osnova: EN 12675:2017
ICS: 93.080.30

This European Standard specifies the functional safety requirements for traffic signal controllers. It is applicable to traffic signal control equipment permanent¬ly and temporarily installed, but excludes portable traffic control equip¬ment. Traffic signal controllers, as defined by this European Standard, are required to control conflicting traffic, both vehicular and pedestrian, e.g. junction signals, pedestrian crossings, shuttle signals, public transport signals, in a safe manner.
The electrical safety requirements and additional traffic safety requirements, the interfacing with external equip¬ment and the test methods for verifying compliance with this European Standard are contained in HD 638.
NOTE National requirements may specify special conditions for public transport signals (PT) and for any other signal that is not specified in a European Standard.

SIST/TC OGS Ogrevanje stavb

SIST EN 13141-3:2017 SIST EN 13141-3:2004
2017-10 (po) (en;fr;de) 12 str. (C)
Prezračevanje stavb - Preskušanje lastnosti sestavnih delov/izdelkov za prezračevanje stanovanjskih stavb - 3. del: Kuhinjske nape za gospodinjstva brez ventilatorja
Ventilation for buildings - Performance testing of components/products for residential ventilation - Part 3: Range hoods for residential use without fan
Osnova: EN 13141-3:2017
ICS: 97.040.20, 91.140.30

Concerning performance testing of odour extraction (clause 7), this European standard refers entirely to IEC 61561:1997, clause 13. Experience from a large number of performance tests on both extracting and re-circulating hoods shows that hoods with average or inferior performance in a real situation, can achieve excellent performance numbers (odour reduction factors) in the test. The direct reference to IEC 61561:1997, clause 13 should be removed and a modified test method should be included in EN 13141-3, clause 7.

SIST EN 16147:2017/AC:2017
2017-10 (po) (en;fr;de) 3 str. (AC)
Toplotne črpalke z električnimi kompresorji - Preskušanje, vrednotenje lastnosti in zahteve za označevanje naprav/enot za gretje (gospodinjske) vode - Popravek AC
Heat pumps with electrically driven compressors - Testing, performance rating and requirements for marking of domestic hot water units
Osnova: EN 16147:2017/AC:2017
ICS: 91.140.65, 23.140, 27.080

Popravek k standardu SIST EN 16147:2017.
Ta evropski standard določa metode za preskušanje, vrednotenje zmogljivosti in izračun energetske učinkovitosti ogrevanja kombinacij zrak/voda, slanica/voda, voda/voda in neposredna izmenjava/voda grelnikov vode s toplotno črpalko ter kombiniranih grelnikov s toplotno črpalko z električno gnanimi kompresorji, ki so povezani z ali vključujejo rezervoar za toplo sanitarno vodo za proizvodnjo tople sanitarne vode.
OPOMBA 1:Ta standard ne obravnava preskusnih postopkov za sočasno delovanje proizvodnje tople sanitarne vode in ogrevanja prostorov. Sočasno pomeni, da proizvodnja tople sanitarne vode in ogrevanje prostorov potekata ob istem času, pri čemer lahko pride do medsebojnega vpliva.
Ta evropski standard zajema le preskusni postopek za proizvodnjo tople sanitarne vode s sistemom toplotne črpalke.
OPOMBA 2: Pri kombiniranih grelnikih s toplotno črpalko se sezonska učinkovitost ogrevanja prostorov določi v skladu s standardom EN 14825.

SIST EN 16282-1:2017
2017-10 (po) (en;fr;de) 35 str. (H)
Oprema za profesionalne kuhinje - Sestavni deli za prezračevanje kuhinj - 1. del: Splošne zahteve, vključno z metodo za izračun
Equipment for commercial kitchens - Components for ventilation of commercial kitchens - Part 1: General requirements including calculation method
Osnova: EN 16282-1:2017
ICS: 91.140.30, 97.040.99

This European Standard specifies general requirements, such as ergonomic aspects in relation to ventilation of the kitchen (temperature, air aspects, moisture, noise, etc.), including a method for calculating the airflows.
This European Standard is applicable to ventilation systems in commercial kitchens, associated areas and other installations processing foodstuffs intended for commercial use. Kitchens and associated areas are special rooms in which meals are prepared, where tableware and equipment is washed, cleaned and food is stored.
This European Standard is not applicable to kitchen ventilation systems that are used in domestic kitchens.
Unless otherwise specified, the requirements of this standard shall be checked by way of inspection and/or measurement.
NOTE Please note the possible existence of additional or alternative national regulations on installation, appliance requirements and inspection, maintenance, operation.

SIST EN 16282-5:2017
2017-10 (po) (en;fr;de) 15 str. (D)
Oprema za profesionalne kuhinje - Sestavni deli za prezračevanje kuhinj - 5. del: Kanali - Projektiranje in dimenzioniranje
Equipment for commercial kitchens - Components for ventilation in commercial kitchens - Part 5: Air duct - Design and dimensioning
Osnova: EN 16282-5:2017
ICS: 91.140.30, 97.040.99

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

SIST EN 16282-7:2017
2017-10 (po) (en;fr;de) 11 str. (C)
Oprema za profesionalne kuhinje - Sestavni deli za prezračevanje kuhinj - 7. del: Vgradnja in delovanje vgrajenih sistemov za gašenje
Equipment for commercial kitchens - Components for ventilation in commercial kitchens - Part 7: Installation and use of fixed fire suppression systems
Osnova: EN 16282-7:2017
ICS: 13.220.10, 91.140.30, 97.040.99

This European Standard specifies requirements and gives recommendations for the design, installation, testing, maintenance and safety of kitchen fire suppression systems in buildings.
This European Standard is applicable to ventilation systems in commercial kitchens, associated areas and other installations processing foodstuffs intended for commercial use. Kitchens and associated areas are special rooms in which meals are prepared, where tableware and equipment is washed, cleaned, food is stored and food waste areas and restaurant areas.
This European Standard is not applicable to domestic kitchens or industrial food processing facilities.
Unless otherwise specified, the requirements of this standard shall be checked by way of inspection and/or measurement.
NOTE Please note the possible existence of additional or alternative local national regulations on installation, appliance requirements and inspection, maintenance and operation.

SIST EN 16282-8:2017
2017-10 (po) (en;fr) 26 str. (F)
Oprema za profesionalne kuhinje - Sestavni deli za prezračevanje kuhinj - 8. del: Naprave za izločanje aerosolov - Zahteve in preskušanje
Equipment for commercial kitchens - Components for ventilation in commercial kitchens - Part 8: Installations for treatment of aerosol - Requirements and testing
Osnova: EN 16282-8:2017
ICS: 91.140.30, 97.040.99

This European Standard specifies requirements for the design, construction and operation of installations designed for the treatment of cooking fumes in kitchens including technical safety, ergonomic and hygienic features.
This European Standard is applicable to ventilation systems in commercial kitchens, associated areas and other installations processing foodstuffs intended for commercial use. Kitchens and associated areas are special rooms in which meals are prepared, where tableware and equipment is washed, cleaned, food is stored and food waste areas.
It is not applicable to ventilation systems that are to be used in domestic kitchens.
Unless otherwise specified, the requirements of this standard shall be checked by way of inspection and/or measurement.

NOTE Please note the possible existence of additional or alternative local national regulations converting installation, inspection, maintenance and operation.

SIST EN 1860-1:2013+A1:2017 SIST EN 1860-1:2013/kFprA1:2017
SIST EN 1860-1:2013

2017-10 (po) (en;fr;de) 47 str. (I)

Naprave, trdna goriva in naprave za vžiganje žara - 1. del: Žari na trdna goriva - Zahteve in preskusne metode (vključno z dopolnilom A1)

Appliances, solid fuels and firelighters for barbecueing - Part 1: Barbecues burning solid fuels - Requirements and test methods

Osnova: EN 1860-1:2013+A1:2017

ICS: 97.040.20, 75.160.10

This part of this European Standard is applicable to barbecues which burn solid fuels, except single use barbecues. Barbecues which are intended to be converted from other fuels to solid fuels also should conform to this standard.
This European Standard specifies requirements for materials, construction, design, test methods, markings and instructions relating to them.

SIST/TC OVP Osebna varovalna oprema

SIST EN ISO 13506-1:2017

2017-10 (po) (en) 58 str. (J)

Varovalna obleka pred učinki toplote in ognja - 1. del: Preskusna metoda za kompletna oblačila - Merjenje prenesene energije s preskusno lutko, opremljeno z instrumenti (ISO 13506-1:2017)

Protective clothing against heat and flame - Part 1: Test method for complete garments - Measurement of transferred energy using an instrumented manikin (ISO 13506-1:2017)

Osnova: EN ISO 13506-1:2017

ICS: 13.340.10

This International Standard provides the general principles of a test method for evaluating the performance of complete garments or protective clothing ensembles in a flash fire or other short duration fire exposure. This test method characterizes the thermal protection provided by garments, based on the measurement of heat transfer to a full-size manikin exposed to a laboratory simulation of a fire with controlled heat flux, duration and flame distribution. The heat transfer data is summed over a prescribed time to give the total transferred energy. The heat transfer measurements can also be used to calculate the predicted skin burn injury resulting from the exposure. In addition, observations are recorded on the overall behaviour of the test specimen during and after the exposure.
This method is useful for three types of evaluation:
a) comparison of garment or ensemble materials;
b) comparison of garment or ensemble design;
c) evaluation of any garment or ensemble prototype for a particular application or to a specification. Each type of evaluation has different garment or ensemble requirements because the test results are dependent on the test material performance, on the garment size, on the garment design and on the use of ensemble components.
The results obtained apply only to the particular garments or ensembles, as tested, and for the specified conditions of each test, particularly with respect to the heat flux, duration and flame Distribution. For the purposes of this test method, the incident heat flux is limited to a nominal level of 84 kW/m2 and limited to exposure durations of less than 20 s.
This International Standard is intended to be used to measure and describe the behaviour of complete garments or protective clothing ensembles in response to convective and radiant energy under controlled laboratory conditions, with the results used to optimize garment combinations and designs. This test method does not simulate high radiant exposures such as those found in arc flashes exposures, some types of fire exposures where liquid or solid fuels are involved, nor exposure to nuclear explosions. This International Standard is not intended to be used to compare

the properties of garment materials or combinations of materials unless the test specimens are absolutely identical in size and design.
However, as the interaction of material behaviour and garment design may require specific design considerations for a specific material, the design used should be a "good" design for all the materials to be compared.
Furthermore, this International Standard is not intended to be used to describe or appraise the fire hazard or fire risk under actual fire conditions. However, the results of this test can be used as elements of a fire risk assessment which takes into account all of the factors that are pertinent to an assessment of the fire hazard of a particular end use. Considerations for the use of this test method are provided in Annex A. Interlaboratory data for the test method are provided in Annex B.
NOTE 1 This test method provides information on material behaviour and a measurement of garment performance on a stationary upright manikin. The relative size of the garment and the manikin and the
fit of the garment on the shape of the manikin have an important influence on the performance. The effects of body position and movement are not addressed in this test method.
NOTE 2 This test method does not apply to the evaluation of protection for the hands or the feet
NOTE 3 This test method is complex and requires a high degree of technical expertise in both the test setup and operation.
NOTE 4 Deviations from the instructions in this test method can lead to significantly different test results. Technical knowledge concerning fabric behaviour and the theory of heat transfer and testing practices is needed in order to evaluate which deviations are significant with respect to the instructions given in this test method. (...)

SIST EN ISO 20349-1:2017 SIST EN ISO 20349:2011
2017-10 (po) (en) 23 str. (F)
Osebna varovalna oprema - Obutev za zaščito pred tveganji v livarnah in pri varjenju - 1. del: Zahteve in preskusne metode za zaščito pred tveganji v livarnah (ISO 20349-1:2017)
Personal protective equipment - Footwear protecting against risks in foundries and welding - Part 1: Requirements and test methods for protection against risks in foundries (ISO 20349-1:2017)
Osnova: EN ISO 20349-1:2017
ICS: 13.340.50

This document specifies requirements and test methods for footwear protecting users against risks, such as those encountered in foundries.
Footwear complying with this document also offers other protection as defined in ISO 20345.
NOTE Gaiters over boot and clothing intended to provide protection to the feet and legs against molten metal are addressed by ISO 11612.

SIST/TC PCV Polimerne cevi, fitingi in ventili

SIST EN 1453-1:2017/AC:2017
2017-10 (po) (en) 2 str. (AC)
Cevni sistemi iz polimernih materialov s strukturirano steno cevi za nizko- in visokotemperaturne odvodne sisteme v stavbah - Nemehčan polivinilklorid (PVC-U) - 1. del: Specifikacije za cevi in sistem
Plastics piping systems with structured-wall pipes for soil and waste discharge (low and high temperature) inside buildings - Unplasticized poly(vinyl chloride) (PVC-U) - Part 1: Specifications for pipes and the system
Osnova: EN 1453-1:2017/AC:2017
ICS: 91.140.80, 23.040.01

Popravek k standardu SIST EN 1453-1:2017.
Ta del standarda EN 1453 določa zahteve za strukturirane stene cevi iz nemehčanega polivinilklorida (PVC-U) in sistem, ki je namenjen za odvodne sisteme (nizko- in visokotemperaturne) v zgradbah (koda območja uporabe »B«). Ta del standarda EN 1453 se

uporablja tudi za strukturirane stene cevi iz nemehčanega polivinilklorida (PVC-U) in sistem, ki je namenjen: –prezračevalnemu delu cevovoda v povezavi z odvajanjem –cevovodu za deževnico v stavbi. Določa tudi preskusne parametre za preskusne metode, navedene v tem standardu. Ta standard zajema vrsto nazivnih velikosti in podaja priporočila glede barv. Za zunanjo nadzemno uporabo je priporočljiv dogovor med proizvajalcem in uporabnikom glede dodatnih zahtev v povezavi s podnebjem.

SIST/TC SPO Šport

SIST EN 1069-1:2017 SIST EN 1069-1:2010
SIST EN 1069-1:2010/AC:2012

2017-10 (po) (en;fr;de) 54 str. (J)
Vodni tobogani - 1. del: Varnostne zahteve in preskusne metode
Water slides - Part 1: Safety requirements and test methods
Osnova: EN 1069-1:2017
ICS: 97.220.40

This European Standard is applicable to all water slides installed in swimming pools of public use. This standard specifies general safety requirements for water slides in swimming pools of public use and specific requirements for defined types of water slides. These specific safety requirements are applicable also to not defined types as far as possible.
These requirements concern safety and the technical rules for design, calculation and testing.

SIST EN 1069-2:2017 SIST EN 1069-2:2010

2017-10 (po) (en;fr;de) 39 str. (H)
Vodni tobogani - 2. del: Navodila
Water slides - Part 2: Instructions
Osnova: EN 1069-2:2017
ICS: 97.220.40

This European Standard is applicable to water slides as defined in EN 1069 1:2010, 3.3.
This European Standard establishes the instructions for use, operation and maintenance as well as the documentation and commissioning of water slides.

SIST EN 565:2017 SIST EN 565:2007

2017-10 (po) (en;fr;de) 10 str. (C)
Gorniška oprema - Trak - Varnostne zahteve in preskusne metode
Mountaineering equipment - Tape - Safety requirements and test methods
Osnova: EN 565:2017
ICS: 97.220.40

This European Standard specifies safety requirements and test methods for tape supplied on drums or in separate lengths, for use in mountaineering including climbing.

SIST ISO 6265:2017 SIST ISO 6265:1995

2017-10 (po) (en) 9 str. (C)
Alpske smuči - Določevanje deformacijske in zlomne sile
Alpine skis - Determination of deformation load and breaking load
Osnova: ISO 6265:2013
ICS: 97.220.20

This International Standard specifies a method for determining the resistance of alpine skis to permanent deformation and breaking. In this International Standard no attempt is made to relate the measurement data to the quality of the ski.
lt is applicable to all alpine skis for adults, juveniles and children.

SIST ISO 6266:2017 SIST ISO 6266:1995
2017-10 (po) (en) 12 str. (C)
Alpske smuči - Določevanje utrujenosti - Preskus s cikličnim obremenjevanjem
Alpine skis - Determination of fatigue indexes - Cyclic loading test
Osnova: ISO 6266:2013
ICS: 97.220.20

This International Standard specifies a method for the determination of the fatigue indexes of alpine skis (i.e. the resistance of the skis to changes in shape and of stiffness) after a bending test with cyclic loading.

SIST ISO 8061:2017 SIST ISO 8061:2005
SIST ISO 8061:2005/A1:2011
2017-10 (po) (en) 10 str. (C)
Varnostne vezi za alpske smuči - Metode za izbor mejnih vrednosti navora odpenjanj
Alpine ski-bindings - Selection of release torque values
Osnova: ISO 8061:2015
ICS: 97.220.20

This International Standard specifies methods for the selection of the release torques for alpine skibindings.
It gives information necessary to determine the release torques; these are to be recommended
for use by ski-binding manufacturers in their instructions for installation and use, and by ski shops for the adjustment of already mounted ski-bindings.
It applies to alpine ski-bindings in current use.
It might be inappropriate for non-mechanical bindings or bindings used with boots which reach more than half-way up the lower leg.
Manufacturers may use either of the two specified methods, or a combination of the two, as the basis for their recommended release torques.
The methods apply to torque-measuring binding test machines. If force-measuring test machines are used, it is necessary to report the release force, calculated as shown in Clause 3.
In recommending the release torques, it is necessary to take into account the abilities of the skier concerned by applying skier-type correction factors. For this purpose, three types of skier are defined, as described in Annex A.

SIST ISO 8783:2017 SIST ISO 8783:2003
2017-10 (po) (en) 8 str. (B)
Alpske smuči - Smernice za opravljanje preskusov voznih lastnosti na snegu
Alpine skis – Guidelines for conducting slope performance tests
Osnova: ISO 8783:2015
ICS: 97.220.20

This International Standard provides guidelines for carrying out comparative testing of alpine skis with the objective of evaluating the performance characteristics.
It is applicable to alpine skis in accordance with ISO 6289.

SIST ISO 9462:2017 SIST ISO 9462:2011
SIST ISO 9462:2011/A1:2011

2017-10 (po) (en) 38 str. (H)

Varnostne vezi za alpske smuči - Zahteve in preskusne metode

Alpine ski-bindings - Requirements and test methods

Osnova: ISO 9462:2014

ICS: 97.220.20

This International Standard specifies the main characteristics of ski-bindings and describes, as an example, the test methods A and B.

This International Standard applies to ski-bindings for alpine skiing for children, juniors, and adults.

SIST ISO 9523:2017 SIST ISO 9523:2011

2017-10 (po) (en) 24 str. (F)

Turni smučarski čevlji za odrasle - Vmesnik z varnostnimi vezmi - Zahteve in preskusne metode

Touring ski-boots for adults - Interface with touring ski-bindings - Requirements and test methods

Osnova: ISO 9523:2015

ICS: 97.220.20

This International Standard specifies the dimensions and characteristics of the interface, requirements, test methods, and marking of ski-boots with a rigid sole (see 3.5) which are used with current systems of touring ski-bindings with attachment at the boot toe and boot heel, the proper release function of which depends on the dimensions and design of the interfaces.

For ski-binding systems that function irrespective of the sole shape or that have different requirements for the sole dimensions, it is not always necessary for the ski-boot soles to comply with this International Standard in order to achieve the desired degree of safety.

This International Standard is applicable to ski-boots of sizes 15,0 and larger in the Mondopoint system (see Annex A).

It is applicable to rigid touring boots. Boots with softer shells like Telemark boots are excluded as they do not have the necessary shell stability to act as part of the release systems.

SIST ISO 9838:2017 SIST ISO 9838:2011

2017-10 (po) (en) 13 str. (D)

Varnostne vezi za alpske in turne smuči - Preskusni vložek za preskušanje varnostnih vezi

Alpine and touring ski-bindings - Test soles for ski-binding tests

Osnova: ISO 9838:2015

ICS: 97.220.20

This International Standard defines test soles representing

— an alpine ski-boot (form A) or at least the bottom part of it to be used for testing alpine ski-bindings for alpine skiing in accordance with ISO 9462 and ISO 9465, and

— a touring ski-boot (form T) or at least the bottom part of it to be used for testing touring ski-bindings for touring skiing in accordance with ISO 13992 and ISO 9465.

NOTE Ski-boots have their own International Standards (ISO 5355 and ISO 9523) that allow relatively large tolerances in defining the test sole which are generally believed to be suitable for on-slope use by skiers, but too large for reproducible laboratory measurements.

SIST/TC VAZ Varovanje zdravja

SIST EN 16844:2017
2017-10 (po) (en;fr;de) 50 str. (I)
Storitve estetske medicine - Nekirurški medicinski posegi
Aesthetic medicine services - Non-surgical medical treatments
Osnova: EN 16844:2017
ICS: 11.020.10

This European Standard addresses the requirements for aesthetic medicine services to patients. This European Standard provides recommendations for non-surgical medical procedures for clinical treatment, including the ethical framework and general principles according to which clinical services are provided by all aesthetic practitioners. These recommendations apply before, during and after the procedure.
Dentistry) procedures and aesthetic surgical procedures covered by EN 16372 are excluded from the scope of this European Standard.
Aesthetic non-medical procedures (tattooing and any procedure not affecting tissue deeper than the stratum corneum) which can be legally performed by non-physicians (e.g. tattooist, beauty therapists) are excluded from the scope of this European Standard.

SIST EN ISO 10555-6:2017
2017-10 (po) (en) 28 str. (G)
Žilni katetri - Sterilni žilni katetri za enkratno uporabo - 6. del: Podkožni vsadki (ISO 10555-6:2015)
Intravascular catheters - Sterile and single-use catheters - Part 6: Subcutaneous implanted ports (ISO 10555-6:2015)
Osnova: EN ISO 10555-6:2017
ICS: 11.040.25

ISO 10555-6:2015 specifies requirements, performance, and user safety issues related to subcutaneous implanted ports and catheters for intravascular long-term use supplied in sterile condition and intended for single use. ISO 10555-6:2015 does not specify requirements, performance, and user safety issues related to non-coring needles.

SIST EN ISO 11137-3:2017 SIST EN ISO 11137-3:2006
2017-10 (po) (en) 50 str. (I)
Sterilizacija izdelkov za zdravstveno nego - Sevanje - 3. del: Smernice o dozimetričnih vidikih za razvoj, validacijo in rutinski nadzor (ISO 11137-3:2017)
Sterilization of health care products - Radiation - Part 3: Guidance on dosimetric aspects of development, validation and routine control (ISO 11137-3:2017)
Osnova: EN ISO 11137-3:2017
ICS: 11.080.01

This document gives guidance on meeting the requirements in ISO 11137-1 and ISO 11137-2 and in ISO/TS 13004 relating to dosimetry and its use in development, validation and routine control of a radiation sterilization process.

SIST EN ISO 11608-7:2017
2017-10 (po) (en) 29 str. (G)
Peresa za injiciranje za uporabo v medicini - Zahteve in preskusne metode - 7. del: Zahteve za pripomočke za osebe z okvaro vida (ISO 11608-7:2016)
Needle-based injection systems for medical use - Requirements and test methods - Part 7: Accessibility for persons with visual impairment (ISO 11608-7:2016)
Osnova: EN ISO 11608-7:2017
ICS: 11.180.30, 11.040.25

This part of ISO 11608 specifies requirements for needle-based drug delivery systems intended for use by persons with visual impairments. It applies to devices intended for patient or caregiver administration of human therapeutics.
This standard covers requirements to allow for safe and correct handling of the device, including labelling, packaging, and instructions for use. It also includes requirements for training programs, if applicable.
Devices that are claimed appropriate for use by persons with visual impairments shall meet the applicable requirements of this standard.
This Standard does not address requirements for use of Sharps Containers by persons with visual impairments.

SIST/TC ŽEN Železniške električne naprave

SIST EN 50153:2014/A1:2017
2017-10 (po) (en) 6 str. (B)
Železniške naprave - Vozna sredstva - Zaščitni ukrepi proti nevarnostim električne napetosti - Dopolnilo A1
Railway applications - Rolling stock - Protective provisions relating to electrical hazards
Osnova: EN 50153:2014/A1:2017
ICS: 13.260, 45.060.01

Dopolnilo A1 je dodatek k standardu SIST EN 50153:2014.
EN 50153 določa zahteve, ki jih je treba izpolniti pri načrtovanju in proizvodnji električnih naprav in opreme za uporabo na voznih sredstvih za zaščito oseb pred električnim udarom. Ta evropski standard velja za vozna sredstva sistemov železniškega prevoza, sistemov cestnega prevoza, če jih napajajo zunanji napajalniki (npr. trolejbusi), sistemov prevozov na magnetni blazini in za električno opremo, ki je vgrajena v te sisteme. Ta evropski standard se ne uporablja za: - rudniške železnice v rudnikih, - žerjave, premične platforme in podobne tirne prevozne sisteme, - vzpenjače, - začasne konstrukcije.

SIST EN 50657:2017
2017-10 (po) (en) 140 str. (O)
Železniške naprave - Vozna sredstva - Programska oprema za tirna vozila
Railway applications - Rolling stock applications - Software on board of rolling stock
Osnova: EN 50657:2017
ICS: 35.080, 45.060.01

1.1 This European Standard specifies the process and technical requirements for the development of software for programmable electronic systems for use in rolling stock applications.
Software that is part of signalling equipment (railway control and protection applications) installed on board trains is outside the scope of this standard.
Software that does not perform railway applications and which does not interface with rolling stock functions is outside the scope of this standard, if it is segregated from railway application software.
1.2 This European Standard is applicable exclusively to software and the interaction between software and the system of which it is part.
1.3 Intentionally deleted
1.4 This European Standard applies to safety-related as well as non-safety-related software, including for example:
– application programming,
- operating systems,
– support tools,
- firmware.
Application programming comprises high level programming, low level programming and special purpose programming (for example: Programmable logic controller ladder logic).

1.5 This European Standard also addresses the use of pre-existing software and tools. Such software may be used, if the specific requirements in 7.3.4.7 and 6.5.4.16 on pre-existing software and for tools in 6.7 are fulfilled.
1.6 Software developed according to a valid version of EN 50128 is considered as compliant to this standard. Software previously developed in accordance with any version of EN 50128 is also considered as compliant and not subject to the requirements on pre-existing software.
1.7 This European Standard considers that modern application design often makes use of software that is suitable as a basis for various applications. Such software is then configured by application data for producing the executable software for the application. This European Standard applies to all software as well as specific requirements for application data will be given.
1.8 Intentionally deleted
1.9 This European Standard is not intended to be retrospective. It therefore applies primarily to new developments and only applies in its entirety to existing systems if these are subjected to major modifications. For minor changes, only 9.2 applies. However, application of this European Standard during upgrades and maintenance of existing software is recommended.
1.10 For programmable components (including FPGA & CPLD) the applicable sections of this software standard should be followed, in addition to the applicable hardware standard (e.g. EN 50129, EN 50155, IEC 61508-2), when it is not possible to exhaustively test the programmable logic for all possible inputs and internal logic states.
However, tasks that are already addressed by the hardware standard do not need to be repeated in the application of this software standard.

SIST EN 62580-1:2017/A11:2017
2017-10 (po) (en) 4 str. (A)
Železniške elektronske naprave - Kabinski multimedijski in telematski podsistemi za železnice - 1. del: Splošna arhitektura - Dopolnilo A11
Electronic railway equipment - On-board multimedia and telematic subsystems for railways - Part 1: General architecture
Osnova: EN 62580-1:2016/A11:2017
ICS: 33.060.99, 45.060

Dopolnilo A11 je dodatek k standardu SIST EN 62580-1:2017.
Ta del standarda IEC 62580 določa splošno arhitekturo kabinskih multimedijskih in telematskih podsistemov (OMTS), ki vključuje štiri kategorije multimedijskih in telematskih podsistemov, opredeljenih kot:
A Video nadzorni sistem/CCTV
B Storitve, namenjene voznikom in posadki
C Storitve, namenjene potnikom
D Storitve, namenjene upravljavcem in vzdrževalcem vlakov
Ta del vzpostavlja:
• mejo med OMTS in komunikacijskim sistemom v vozilu, kakor je opisano v skupini standardov IEC 61375
• metodologijo za opis OMTS v okviru abstraktnega modela
• splošna načela in osnovne zahteve za določanje storitev, ki jih zagotavlja/zahteva posamezna kategorija
• pristop za zagotavljanje interoperabilnosti med storitvami
Ta del podaja smernice za:
• razvrstitev OMTS
• funkcionalno razčlenitveno strukturiranje
• sistemsko razčlenitveno strukturiranje
• formalno specifikacijo OMTS
Ta del se uporablja za vse vrste vlakov, npr. odprte vlake, vlake z več enotami in zaprte vlake.
OPOMBA: Splošna arhitektura zagotavlja skupno podlago za kategorije uporabe, opredeljene v 2. delu, in morebitne prihodnje dele te skupine standardov. Zato je pristop enoten za vse multimedijske in telematske podsisteme, ki so obravnavani v tej skupini standardov.

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

SIST EN 60317-0-10:2017
2017-10 (po) (en) 23 str. (F)
Specifikacije za posebne vrste navijalnih žic - 0-10. del: Splošne zahteve - Bakrena žica z okroglim prerezom, ovita s poliesterskim steklenim vlaknom in impregnirana s silikonsko smolo ali lakom, gola ali emajlirana (IEC 60317-0-10:2017)
Specifications for particular types of winding wires - Part 0-10: General requirements - Polyester Glass fibre wound, resin or varnish impregnated, bare or enamelled round copper wire (IEC 60317-0-10:2017)
Osnova: **EN 60317-0-10:2017**
ICS: **77.150.30, 29.060.10**

This part of IEC 60317 specifies the general requirements of polyester glass-fibre wound fused, unvarnished, or resin or varnish impregnated bare, grade 1 or grade 2 or enamelled round copper winding wires.
The range of nominal conductor dimensions is given in Table 1, Table 2, Table A.1 and Table A.2.

SIST EN 60317-70:2017
2017-10 (po) (en) 13 str. (D)
Specifikacije za posebne vrste navijalnih žic - 70. del: Navita poliestrska steklena vlakna, nepremazana in zvarjena ali impregnirana s smolo ali premazom, gola ali pološčena okrogla bakrena žica s temperaturnim indeksom 155 (IEC 60317-70:2017)
Specifications for particular types of winding wires - Part 70: Polyester glass-fibre wound unvarnished and fused or resin or varnish impregnated, bare or enamelled round copper wire, temperature index 155 (IEC 60317-70:2017)
Osnova: **EN 60317-70:2017**
ICS: **29.060.10, 77.150.30**

This part of IEC 60317 specifies requirements of polyester glass-fibre wound fused, unvarnished or resin or varnish impregnated, bare or grade 1 or grade 2 enamelled round copper winding wires, temperature index 155. The impregnating agent can be, for instance, epoxy, polyester, or polyesterimide resin based.
NOTE For this type of wire, the heat shock test is inappropriate and therefore a heat shock temperature cannot be established. Consequently, a class based on the requirements for temperature index and heat shock temperature cannot be specified.

SIST EN 60317-71:2017
2017-10 (po) (en) 13 str. (D)
Specifikacije za posebne vrste navijalnih žic - 71. del: Bakrena žica z okroglim prerezom, ovita s poliesterskim steklenim vlaknom in impregnirana s silikonsko smolo ali lakom, gola ali emajlirana, temperaturni indeks 180 (IEC 60317-71:2017)
Specifications for particular types of winding wires - Part 71: Polyester glass-fibre wound unvarnished and fused or resin or varnish impregnated, bare or enamelled round copper wire, temperature index 180 (IEC 60317-71:2017)
Osnova: **EN 60317-71:2017**
ICS: **77.150.30, 29.060.10**

This part of IEC 60317 specifies requirements of polyester glass-fibre wound fused resin or varnish impregnated bare, grade 1 or grade 2 enamelled round copper winding wire, temperature index 180. The impregnating agent can be, for instance, epoxy, polyester, or polyesterimide resin based.
NOTE For this type of wire, the heat shock test is inappropriate and therefore a heat shock temperature cannot be established. Consequently, a class based on the requirements for temperature index and heat shock temperature cannot be specified.

SIST EN 60317-72:2017
2017-10 (po) (en) 13 str. (D)
Specifikacije za posebne vrste navijalnih žic - 72. del: Bakrena žica z okroglim prerezom, ovita s poliesterskim steklenim vlaknom in impregnirana s silikonsko smolo ali lakom, gola ali emajlirana, temperaturni indeks 200 (IEC 60317-72:2017)
Specifications for particular types of winding wires - Part 72: Polyester glass-fibre wound silicone resin or varnish impregnated, bare or enamelled round copper wire, temperature index 200 (IEC 60317-72:2017)
Osnova: **EN 60317-72:2017**
ICS: **77.150.30, 29.060.10**

This part of IEC 60317 specifies requirements of polyester glass-fibre wound fused, silicone resin or varnish impregnated bare, grade 1 or grade 2 enamelled round copper winding wire, temperature index 200. The impregnating agent is a silicone containing resin or varnish.
NOTE For this type of wire, the heat shock test is inappropriate and therefore a heat shock temperature cannot be established. Consequently, a class based on the requirements for temperature index and heat shock temperature cannot be specified.

SIST EN 61577-2:2017
2017-10 (po) (en) 28 str. (G)
Instrumenti za zaščito pred sevanjem - Instrumenti za merjenje radona in njegovih razpadnih produktov - 2. del: Posebne zahteve za instrumente za merjenje 222Rn in 220Rn
Radiation protection instrumentation - Radon and radon decay product measuring instruments - Part 2: Specific requirements for 222Rn and 220Rn measuring instruments
Osnova: **EN 61577-2:2017**
ICS: **17.240, 13.280**

This part of IEC 61577 describes the specific requirements for instruments measuring the activity concentration of airborne 222Rn and 220Rn outdoors, in dwellings, and in workplaces including underground mines.
This standard applies practically to all types of electronic measuring instruments that are based on either spot or continuous measurements. The activity concentration can be measured by pumping or by diffusing the air containing 222Rn and/or 220Rn into the sensitive volume of the detection unit or at a particular moment by taking an air sample (grab sampling).

SIST EN 60500:2017
2017-10 (po) (en) 26 str. (F)
Podvodna akustika - Hidrofoni - Lastnosti hidrofonov v frekvenčnem območju od 1 Hz do 500 kHz (IEC 60500:2017)
Underwater acoustics - Hydrophones - Properties of hydrophones in the frequency range 1 Hz to 500 kHz (IEC 60500:2017)
Osnova: **EN 60500:2017**
ICS: **17.140.99**

This document specifies the relevant characteristics and properties of hydrophones in the frequency range 1 Hz to 500 kHz, and specifies how to report these characteristics. It does not cover performance requirements for specific hydrophone types, or for specific hydrophone applications. However, guidance on the choice of a hydrophone with appropriate performance for a specific application is given in an informative annex.
This document is applicable to:
• hydrophones employing piezoelectric sensor elements, designed to respond to sound pressure in water and measure underwater acoustical signals;
• hydrophones with or without an integral pre-amplifier.

SIST EN 60603-7-81:2016/AC:2017
2017-10 (po) (en) 3 str. (AC)
Konektorji za elektronsko opremo - 7-81. del: Podrobna specifikacija za 8-polne, oklepljene, proste in pritrjene konektorje za prenos podatkov s frekvencami do 2 000 MHz - Popravek AC (IEC 60603-7-81:2015/COR 1:2017)
Connectors for electronic equipment - Part 7-81: Detail specification for 8-way, shielded, free and fixed connectors, for data transmissions with frequencies up to 2 000 MHz (IEC 60603-7-81:2015/COR 1:2017)
Osnova: **EN 60603-7-81:2016/AC:2017-07**
ICS: **31.220.10**

Popravek k standardu SIST EN 60603-7-81:2016.
Ta del standarda IEC 60603 vključuje 8-polne, oklepljene, proste in pritrjene konektorje, se sklicuje na dimenzionalne, mehanske, električne in okoljske karakteristike ter preskuse iz standarda IEC 60603-7 ter določa zahteve glede električnega prenosa, vključno s tujerodnim (eksogenim) prisluhom, za frekvence do 2000 MHz.
Ti konektorji se običajno uporabljajo kot konektorji »kategorije 8.1« in kabelski sistemi »razreda I«, določeni v standardu ISO/IEC 11801.
Te konektorje je mogoče spojiti in souporabljati skupaj z drugimi konektorji iz skupine standardov IEC 60603-7, kot je opredeljeno v točki 2 standarda IEC 60603-7.
Ti konektorji so povratno združljivi z drugimi konektorji iz skupine standardov IEC 60603-7, razen s konektorji iz standardov IEC 60603-7-7 in IEC 60603-7-71.
OPOMBA: Kategorije učinkovitosti prenosa: v tem standardu se izraz »kategorija«, ko se sklicuje na učinkovitost prenosa, nanaša na kategorije, opredeljene v standardu ISO/IEC 11801.

SIST EN 60749-28:2017
2017-10 (po) (en) 46 str. (I)
Polprevodniški elementi - Metode za mehansko in klimatsko preskušanje - 28. del: Preskušanje občutljivosti na elektrostatično razelektritev (ESD) - Model z elektrostatično nabitim elementom (CDM) - Raven elementa (IEC 60749-28:2017)
Semiconductor devices - Mechanical and climatic test methods - Part 28: Electrostatic discharge (ESD) sensitivity testing - Charged device model (CDM) - device level (IEC 60749-28:2017)
Osnova: **EN 60749-28:2017**
ICS: **31.080.01**

This part of IEC 60749 establishes the procedure for testing, evaluating, and classifying devices and microcircuits according to their susceptibility (sensitivity) to damage or degradation by exposure to a defined field-induced charged device model (CDM) electrostatic discharge (ESD). All packaged semiconductor devices, thin film circuits, surface acoustic wave (SAW) devices, opto-electronic devices, hybrid integrated circuits (HICs), and multi-chip modules (MCMs) containing any of these devices are to be evaluated according to this document. To perform the tests, the devices are assembled into a package similar to that expected in the final application. This CDM document does not apply to socketed discharge model testers. This document describes the field-induced (FI) method. An alternative, the direct contact (DC) method, is described in Annex I.
The purpose of this document is to establish a test method that will replicate CDM failures and provide reliable, repeatable CDM ESD test results from tester to tester, regardless of device type. Repeatable data will allow accurate classifications and comparisons of CDM ESD sensitivity levels.

SIST EN 61587-6:2017
2017-10 (po) (en) 19 str. (E)
Mehanske strukture za električno in elektronsko opremo - Preskušanje za skupini standardov IEC 60917 in IEC 60297 - 6. del: Varnostni vidiki za notranje omarice (IEC 61587-6:2017)
Mechanical structures for electrical and electronic equipment - Tests for IEC 60917 and IEC 60297 - Part 6: Security aspects for indoor cabinets (IEC 61587-6:2017)
Osnova: **EN 61587-6:2017**
ICS: **31.240**

This part of IEC 61587 specifies security aspects and security performance levels of indoor cabinets in accordance with IEC 60917 and IEC 60297.

SIST EN 61967-4:2005/AC:2017
2017-10 (po) (en) 3 str. (AC)
Integrirana vezja - Meritve elektromagnetnega sevanja, od 150 kHz do 1 GHz - 4. del: Meritve prevajanega sevanja - Metoda neposrednega sklopa 1 ohm/150 ohmov - Popravek AC (IEC 61967-4:2002/COR1:2017)
Integrated circuits - Measurement of electromagnetic emissions, 150 kHz to 1 GHz - Part 4: Measurement of conducted emissions - 1 ohm/150 ohm direct coupling method (IEC 61967-4:2002/COR1:2017)
Osnova: EN 61967-4:2002/AC:2017-07
ICS: 33.100.10, 31.200

Popravek k standardu SIST EN 61967-4:2005.
Specifies a method to measure the conducted electromagnetic emission of integrated circuits by direct RF current measurement with a 1 ohm resistive probe and RF voltage measurement using a 150 ohm coupling network. These methods guarantee a high degree of repeatability and correlation of measurements.
The contents of the corrigendum 1 of June 2017 have been included in this copy.

SIST EN 62287-1:2017 SIST EN 62287-1:2011
SIST EN 62287-1:2011/A1:2014
2017-10 (po) (en) 99 str. (M)
Pomorska navigacijska in radiokomunikacijska oprema in sistemi - Ladijska oprema razreda B samodejnega identifikacijskega sistema (AIS) - 1. del: Tehnike uporabniško občutljivega časovnega sodostopa (CSTDMA) (IEC 62287-1:2017)
Maritime navigation and radiocommunication equipment and systems - Class B shipborne equipment of the automatic identification system (AIS) - Part 1: Carrier-sense time division multiple access (CSTDMA) techniques (IEC 62287-1:2017)
Osnova: EN 62287-1:2017
ICS: 47.020.70

This part of IEC 62287 specifies the minimum operational and performance requirements, methods of testing and required test results for Class B shipborne automatic identification system (AIS) equipment using carrier-sense time division multiple access (CSTDMA) techniques. This document takes into account other associated IEC International Standards and existing national standards, as applicable.
It is applicable for AIS equipment used on craft that are not covered by the mandatory carriage requirement of AIS under SOLAS Chapter V. An AIS station intended to operate in receive-only mode is not considered a Class B shipborne mobile AIS station.

SS SPL Strokovni svet SIST za splošno področje

SIST EN 16603-10-24:2017
2017-10 (po) (en;fr;de) 53 str. (J)
Vesoljska tehnika - Upravljanje vmesnika
Space engineering - Interface management
Osnova: EN 16603-10-24:2017
ICS: 49.140

This standard describes a standard process and methodology for interface management throughout the life cycle, in terms of identification, requirements specification, definition, approval and control, implementation, verification and validation of interfaces, within a space programme or project and in accordance with the other relevant ECSS standards.

SIST EN 2004-007:2017
2017-10 (po) (en;fr;de) 9 str. (C)
Aeronavtika - Preskusne metode za proizvode iz aluminija in aluminijeve zlitine - 7. del: Primerjalne ploščice za umerjanje merilne opreme, ki se uporablja za ugotavljanje električne prevodnosti gnetenega aluminija in aluminijevih zlitin
Aerospace series - Test methods for aluminium and aluminium alloy products - Part 7: Reference blocks for the calibration of measuring equipment used in the determination of electrical conductivity of wrought aluminium and aluminium alloy
Osnova: **EN 2004-7:2017**
ICS: **49.025.20**

This European Standard defines different types of electrical conductivity reference blocks, to be used for the calibration of eddy current conductivity measuring equipment, their method of production and calibration.
It is to be used in conjunction with EN 2004-1.

SIST EN 2034:2017
2017-10 (po) (en;fr;de) 6 str. (B)
Aeronavtika - Okrogle jeklene palice, vlečene in/ali dekapirane - Mere - Toleranca h 11
Aerospace series - Round steel bars drawn and/or descaled - Dimensions - Tolerance h 11
Osnova: **EN 2034:2017**
ICS: **77.140.60, 49.025.10**

This European Standard specifies the dimensions, tolerances and physical constants of drawn and/or descaled round steel bars used in aerospace construction.

SIST EN 2036:2017
2017-10 (po) (en;fr;de) 7 str. (B)
Aeronavtika - Okrogli jekleni talni drogovi - Mere - Toleranca h 8
Aerospace series - Round steel bars ground - Dimensions - Tolerance h 8
Osnova: **EN 2036:2017**
ICS: **49.025.10, 77.140.60**

This European Standard specifies the dimensions, tolerances and physical constants of ground round steel bars used in aerospace construction.

SIST EN 2040:2017
2017-10 (po) (en;fr;de) 10 str. (C)
Aeronavtika - Pravokotno valjane jeklene palice - Mere - Toleranca js 16
Aerospace series - Rectangular steel bars rolled - Dimensions - Tolerance js 16
Osnova: **EN 2040:2017**
ICS: **77.140.60, 49.025.10**

This European Standard specifies the dimensions, tolerances and physical constants of rolled rectangular steel bars, used in aerospace construction.

SIST EN 2053:2017
2017-10 (po) (en;fr;de) 7 str. (B)
Aeronavtika - U-profili iz aluminijevih zlitin - Mere
Aerospace series - U-section aluminium alloy folded profiles - Dimensions
Osnova: **EN 2053:2017**
ICS: **49.025.20**

This European Standard specifies the dimensions and physical constants of U-section aluminium alloy folded profiles used in aerospace construction.

SIST EN 2267-009:2017 SIST EN 2267-009:2013
2017-10 (po) (en;fr;de) 9 str. (C)
Aeronavtika - Električni kabli za splošno uporabo - Delovne temperature med –55 °C in 260 °C - 009. del: Družina DRA, snop enožilnih in večžilnih kablov - Standard za proizvod
Aerospace series - Cables, electrical, for general purpose - Operating temperatures between - 55 °C and 260 °C - Part 009: DRA family, single and multicore assembly - Product standard
Osnova: **EN 2267-009:2017**
ICS: **49.060, 29.060.20**

This European Standard specifies the characteristics of electrical lightweight wires DRA family for use in the on-board 115 V (phase to neutral) or 200 V (phase to phase) AC electrical systems of aircraft at operating temperatures between − 65 °C and 260 °C. These cables are demonstrated to be arc resistant in sizes AWG 26 to 14 (115/200 V AC).
In addition, these cables may be suitable for use at 230/400 V AC in pressurised zones only when installed to take account of possible short circuit effects.

SIST EN 2267-010:2017 SIST EN 2267-010:2014
2017-10 (po) (en;fr;de) 10 str. (C)
Aeronavtika - Električni kabli za splošno uporabo - Delovne temperature med –55 °C in 260 °C - 010. del: Družina DR, enožilni kabli z možnostjo UV-laserskega tiskanja - Standard za proizvod
Aerospace series - Cables, electrical, for general purpose - Operating temperatures between - 55 °C and 260 °C - Part 010: DR family, single UV laser printable - Product standard
Osnova: **EN 2267-010:2017**
ICS: **29.060.20, 49.060**

This European Standard specifies the characteristics of UV laser printable electrical lightweight wires DR family for use in the on-board 115 V (phase to neutral) or 200 V (phase to phase) AC electrical systems of aircraft at operating temperatures between − 65 °C and 260 °C. These cables are demonstrated to be arc resistant in sizes AWG 26 to 14 (115/200 V AC).
In addition, these cables may be suitable for use at 230/400 V AC in pressurised zones only when installed to take account of possible short circuit effects.
It shall also be possible to mark these cables by qualified compatible marking. These markings shall satisfy the requirements of EN 3838.

SIST EN 3021:2017
2017-10 (po) (en;fr;de) 15 str. (D)
Aeronavtika - Suha maziva iz molibdenovega disulfida brez grafita in halogena - Tehnična specifikacija
Aerospace series - Molybdenum disulphide dry film lubricants graphite and halogen free - Technical specification
Osnova: **EN 3021:2017**
ICS: **75.100**

This standard specifies the qualification and test requirements for graphite and halogen free molybdenum disulphide dry film lubricant.
Test requirements and testing of fretting, corrosion, wear and friction properties of relevant lubricants are not part of this standard. Refer to relevant standards in normative references.
All testing defined in this standard has to be certified by the manufacturer of the lubricant.

In order to achieve uniform coatings with defined thickness and best adhesion properties, spray application in combination with heat curing is recommended.

SIST EN 3302:2017 SIST EN 3302:2008
2017-10 (po) (en;fr;de) 25 str. (F)
Aeronavtika - Sorniki iz toplotnoodpornega jekla FE-PM1708 (FV535) - Klasifikacija: 1000 MPa/550 °C - Tehnična specifikacija
Aerospace series - Bolts in heat resisting steel FE-PM1708 (FV535) - Classification: 1 000 MPa/550 °C - Technical specification
Osnova: EN 3302:2017
ICS: 49.025.10, 49.030.20

This European Standard specifies the technical, qualification and quality assurance requirements for bolts in material FE-PM1708 (FV535) of tensile strength class 1 000 MPa at room temperature, maximum test temperature of material 550 °C.
Primarily for aerospace applications it is applicable to such bolts when referenced on the product standard or drawing.

SIST EN 3451:2017
2017-10 (po) (en;fr;de) 8 str. (B)
Aeronavtika - Titan TI-P99002 - Toplotno neobdelan - Materiali za kovanje razreda 2 za kaljene kovane izdelke - a ali D < ali= 300 mm
Aerospace series - Titanium TI-P99002 - Not heat treated - Grade 2 forging stock, for annealed forgings - a or D <or= 300 mm
Osnova: EN 3451:2017
ICS: 49.025.30

This European Standard specifies the requirements relating to:
Titanium TI-P99002
Not heat treated
Grade 2 forging stock, for annealed forgings
a or D ≤ 300 mm
for aerospace applications.

SIST EN 3875:2017
2017-10 (po) (en;fr;de) 22 str. (F)
Aeronavtika - Kovinski materiali, kovinsko polnilo za spajkanje - Tehnična specifikacija
Aerospace series - Metallic materials, Filler metal for brazing - Technical specification
Osnova: EN 3875:2017
ICS: 49.025.15, 49.025.05, 25.160.50

This European Standard defines the requirements for the ordering, manufacture, testing, inspection and delivery of all forms of filler metal for brazing for aerospace applications. It shall be applied when referred to in the EN material standard unless otherwise specified on the drawing, order or inspection schedule.

SIST EN 4652-220:2017
2017-10 (po) (en;fr;de) 12 str. (C)
Aeronavtika - Konektorji, koaksialni, radiofrekvenčni - 220. del: Tip 2, vmesnik TNC - Izvedba s stisljivimi priključki - Ravni vtič - Standard za proizvod
Aerospace series - Connectors, coaxial, radio frequency - Part 220: Type 2, TNC interface - Crimp version - Straight plug - Product standard
Osnova: EN 4652-220:2017
ICS: 33.120.30, 49.060

This European Standard specifies the characteristics of screwed on coupling (TNC interface) coaxial straight plugs − 50 ohms.
These connectors are foreseen for light weight coaxial cables; so, appropriate sealing have to be achieved.

SIST EN 4805:2017
2017-10 (po) (en;fr;de) 6 str. (B)
Aeronavtika - Prirobnične spojke - Varilna spojka, ravna, iz toplotno odpornega jekla - Palčne mere
Aerospace series - Flange couplings - Weld coupling, straight, in heat resisting steel - Inch series
Osnova: EN 4805:2017
ICS: 49.025.10, 23.040.60, 49.080

This European Standard specifies the characteristics of straight welded couplings in heat resisting steel for swivel flange couplings for inch series aerospace applications.
Nominal pressure: The parts shall withstand nominal pressures given in Table 1. The nominal pressure of the assembly depends on associated seal, tube material characteristics, tube diameter and tube wall thickness (see EN 4814).
NOTE Assembly in accordance with TR 4815.

SIST EN 4806:2017
2017-10 (po) (en;fr;de) 6 str. (B)
Aeronavtika - Prirobnične spojke - Varilna spojka, ravna, iz nikljeve zlitine - Palčne mere
Aerospace series - Flange couplings - Weld coupling, Straight, in nickel alloy - Inch series
Osnova: EN 4806:2017
ICS: 23.040.60, 49.080

This European Standard specifies the characteristics of straight welded coupling in nickel alloy for swivel flange couplings for inch series aerospace applications.
Nominal pressure: The parts shall withstand nominal pressures given in Table 1. The nominal pressure of the assembly depends on associated seal, tube material characteristics, tube diameter and tube wall thickness (see EN 4814).
NOTE Assembly in accordance with TR 4815.

SIST EN 4809:2017
2017-10 (po) (en;fr;de) 7 str. (B)
Aeronavtika - Prirobnične spojke - Robno tesnilo s fluorokarbonsko zalivko na aluminijski plošči s 3 pritrdilnimi luknjami - Palčne mere
Aerospace series - Flange couplings - Gasket seal with fluorocarbon seal on aluminium plate with 3 fastening holes - Inch series
Osnova: EN 4809:2017
ICS: 23.040.60, 49.025.20, 49.080

This European Standard specifies the characteristics of gasket seal with fluorocarbon seal on aluminium plate, 3 holes, for pipe couplings for inch series aerospace applications.
Nominal pressure: up to 21 000 kPa; depends on the associated tube material and tube wall thickness in the assembly (see EN 4814).
Temperature range: −20 °C to 200 °C.
NOTE Assembly in accordance with TR 4815.
This part should not be reused after disassembling.

SIST EN 4811:2017
2017-10 (po) (en;fr;de) 7 str. (B)
Aeronavtika - Prirobnične spojke - Robna tesnila z fluorogljikovimi tesnili na aluminijevi plošči s 4 pritrdilnimi luknjami - Palčne mere
Aerospace series - Flange couplings - Gasket seal with fluorocarbon seal on aluminium plate with 4 fastening holes - Inch series
Osnova: **EN 4811:2017**
ICS: **23.040.60, 49.025.20, 49.080**

This standard specifies the characteristics of gasket seal with fluorocarbon seal on aluminium plate, 4 holes, for pipe couplings for inch series aerospace applications.
Nominal pressure: up to 21 000 kPa; depends on the associated tube material and tube wall thickness in the assembly (see EN 4814).
Temperature range: −20 °C to 200 °C.
NOTE Assembly in accordance with TR 4815.
This part should not be reused after disassembling.

SIST EN 4812:2017
2017-10 (po) (en;fr;de) 6 str. (B)
Aeronavtika - Prirobnične spojke - Robna tesnila z nikljevo zlitino na toplotno odporni jekleni plošči s 4 pritrdilnimi luknjami - Palčne mere
Aerospace series - Flange couplings - Gasket seal with nickel alloy C seal on heat resisting steel plate with 4 fastening holes - Inch series
Osnova: **EN 4812:2017**
ICS: **49.080, 23.040.60**

This standard specifies the characteristics of gasket seal with nickel alloy C seal on heat resisting steel, 4 holes, for pipe couplings for inch series aerospace applications.
Nominal pressure: up to 21 000 kPa; depends on the associated tube material and tube wall thickness in the assembly (see EN 4814).
Temperature range: −55 °C to 600 °C.
NOTE Assembly in accordance with TR 4815.
This part should not be reused after disassembling.

SIST EN 4816:2017
2017-10 (po) (en;fr;de) 15 str. (D)
Aeronavtika - Prirobnične spojke - Robna tesnila z nikljevo zlitino - Tehnična specifikacija - Palčne mere
Aerospace series - Flange couplings - Gasket seal with nickel alloy C seal - Technical specification - Inch series
Osnova: **EN 4816:2017**
ICS: **49.080, 23.040.60**

This standard specifies the required characteristics, inspection and test methods, quality assurance and procurement requirements for inch series, gasket seal with C seal in nickel alloy, for temperature ranges from type II to type V according to ISO 6771 and nominal pressure up to 10 500 kPa (class B according to ISO 6771).
In addition to the requirements of this technical specification, the coupling assemblies shall be qualified in accordance with equipment or component specification requirements.

SIST EN 6059-503:2017 SIST EN 6059-503:2012
2017-10 (po) (en;fr;de) 8 str. (B)
Aeronavtika - Električni kabli, namestitev - Zaščitne obojke - Preskusne metode - 503. del: Segrevanje obojke zaradi vnesenega naznačenega toka
Aerospace series - Electrical cables, installation - Protection sleeves - Test methods - Part 503: Temperature rise due to rated current injected on the sleeve
Osnova: EN 6059-503:2017
ICS: 29.060.20, 49.060

This European Standard specifies a method of assessing the behaviour and temperature increase of EMI protection sleeves or conduits when subject to permanent and/or fault currents in the shielding of the conduit or sleeve material and their effect on the cables within the cable sleeve. It shall be used together with EN 3475-100.

SIST EN 6076:2017
2017-10 (po) (en;fr;de) 7 str. (B)
Aeronavtika - Statični O-obročni tesnilni elementi za ravni cevni spojnik z navojem iz etilen-propilena, brizgani, odporni proti fosfatnemu estru (−55 °C do 107 °C) - Palčne mere
Aerospace series - Static seal elements O-Ring straight thread tube fitting boss, ethylene-propylene, moulded, phosphate ester resistant (- 55 °C to 107 °C) - Inch series
Osnova: EN 6076:2017
ICS: 23.040.80, 49.035

This European Standard specifies the characteristics of configuration, dimensions, tolerances and mass for moulded O-Ring seal elements, phosphate ester fluid resistant, for straight thread tube fitting boss for use as static seals in hydraulic systems for aerospace application. Application temperature range: −55 °C to 107 °C of continuous operation.

SIST EN ISO 10088:2017 SIST EN ISO 10088:2013
2017-10 (po) (en;fr;de) 18 str. (E)
Mala plovila - Trajno vgrajeni sistemi za gorivo (ISO 10088:2013)
Small craft - Permanently installed fuel systems (ISO 10088:2013)
Osnova: EN ISO 10088:2017
ICS: 47.020.20, 47.080

This International Standard specifies the requirements for the design, materials, construction, installation and testing of permanently installed fuel systems as installed for internal combustion engines.
It applies to all parts of permanently installed diesel and petrol fuel systems as installed, from the fuel fill opening to the point of connection with the propulsion or auxiliary engine(s) on inboard- and outboard-powered small craft of up to 24 m hull length.
Requirements for the design, materials, construction and testing of permanently installed fixed fuel tanks are given in ISO 21487.

SIST EN ISO 10133:2017 SIST EN ISO 10133:2013
2017-10 (po) (en;fr;de) 23 str. (F)
Mala plovila - Električni sistemi - Inštalacije, napajane z enosmerno malo napetostjo (ISO 10133:2012)
Small craft - Electrical systems - Extra-low-voltage d.c. installations (ISO 10133:2012)
Osnova: EN ISO 10133:2017
ICS: 47.020.60, 47.080

This International Standard establishes the requirements for the design, construction and installation of extralow- voltage direct current (d.c.) electrical systems which operate at nominal

potentials of 50 V d.c. or less on small craft of hull length up to 24 m. Conductors that are part of an outboard engine assembly and that do not extend beyond the outboard engine manufacturer's supplied cowling are not included. Additional information to be included in the owner's manual is listed in Annex B.

SIST EN ISO 10239:2017 SIST EN ISO 10239:2015
2017-10 (po) (en;fr;de) 27 str. (G)
Mala plovila - Sistemi za utekočinjeni naftni plin (LPG) (ISO 10239:2014)
Small craft - Liquefied petroleum gas (LPG) systems (ISO 10239:2014)
Osnova: EN ISO 10239:2017
ICS: 75.160.30, 47.080

This International Standard covers the installation of permanently installed liquefied petroleum gas LPG systems and LPG burning appliances on small craft of up to 24 m length of hull.
It does not cover devices used for LPG-fuelled propulsion engines or LPG-driven generators.
This International Standard covers cooking appliances with internal LPG cartridges, with a capacity of 225 g or less (See Annex D).
It covers storage of all LPG cylinders but is not intended to regulate the technical requirements for such cylinders that are subject to national regulations
It does not contain procedures for commissioning the LPG installation.
NOTE New designs, materials and methods of assembly giving at least equivalent results can be considered to be complying with the requirements of this International Standard when approved by a relevant body.

SIST EN ISO 10592:2017 SIST EN ISO 10592:2000
SIST EN ISO 10592:2000/A1:2001
2017-10 (po) (en;fr;de) 16 str. (D)
Mala plovila - Hidravlični sistemi krmiljenja (ISO 10592:1994)
Small craft - Hydraulic steering systems (ISO 10592:1994)
Osnova: EN ISO 10592:2017
ICS: 47.020.70, 47.080

Specifies requirements, test methods, manuals for both the owner and the installer, and the designation for hydraulic steering systems and components from the wheel to the interface point for outboard motor, inboard motor and inboard-outdrive steering arrangements, used on small craft of up to 24 m length of hull.

SIST EN ISO 12217-3:2017 SIST EN ISO 12217-3:2016
2017-10 (po) (en;fr;de) 89 str. (M)
Mala plovila - Stabilnost in ocena vzgona ter kategorizacija - 3. del: Čolni s trupom, krajšim od 6 m (ISO 12217-3:2015)
Small craft - Stability and buoyancy assessment and categorization - Part 3: Boats of hull length less than 6 m (ISO 12217-3:2015)
Osnova: EN ISO 12217-3:2017
ICS: 47.080

ISO 12217-3:2015 specifies methods for evaluating the stability and buoyancy of intact (i.e. undamaged) boats. The flotation characteristics of craft susceptible to swamping are also encompassed.
The evaluation of stability and buoyancy properties using ISO 12217-3:2015 will enable the boat to be assigned to a design category (C or D) appropriate to its design and maximum load.

ISO 12217-3:2015 is applicable to boats of hull length less than 6 m, whether propelled by human or mechanical power, except habitable sailing multihulls. Boats of hull length less than 6 m which are fitted with a full deck and quick-draining cockpit(s) complying with ISO 11812 may alternatively be assessed using ISO 12217-1 or ISO 12217-2 (for non-sailing and sailing boats, respectively), in which case higher design categories may be assigned.
In relation to habitable multihulls, ISO 12217-3:2015 includes assessment of susceptibility to inversion, definition of viable means of escape and requirements for inverted flotation.
ISO 12217-3:2015 excludes:
inflatable and rigid-inflatable boats covered by ISO 6185, except for references made in ISO 6185 to specific clauses of ISO 12217;
personal watercraft covered by ISO 13590 and other similar powered craft;
aquatic toys;
canoes and kayaks;
gondolas and pedalos;
sailing surfboards;
surfboards, including powered surfboards;
hydrofoils, foil stabilized boats and hovercraft when not operating in the displacement mode; and submersibles.
NOTE Displacement mode means that the boat is only supported by hydrostatic forces.
ISO 12217-3:2015 does not include or evaluate the effects on stability of towing, fishing, dredging or lifting operations, which need to be separately considered if appropriate.

SIST EN ISO 13929:2017 SIST EN ISO 13929:2001
2017-10 (po) (en;fr;de) 16 str. (D)
Mala plovila - Krmilna naprava - Sistemi povezave s prestavo (ISO 13929:2001)
Small craft - Steering gear - Geared link systems (ISO 13929:2001)
Osnova: EN ISO 13929:2017
ICS: 47.020.70, 47.080

This International Standard specifies the minimum level of requirements for construction, operation and installation of geared link steering systems on all types of small craft of hull length up to 24 m.
It excludes steering systems covered by ISO 8848 and ISO 9775.

SIST EN ISO 14644-13:2017
2017-10 (po) (en) 43 str. (I)
Čiste sobe in podobna nadzorovana okolja - 13. del: Čiščenje površin za doseganje določenih ravni čistoče po klasifikaciji delcev in kemikalij (ISO 14644-13:2017)
Cleanrooms and associated controlled environments - Part 13: Cleaning of surfaces to achieve defined levels of cleanliness in terms of particle and chemical classifications (ISO 14644-13:2017)
Osnova: EN ISO 14644-13:2017
ICS: 13.040.35

This part of ISO 14644 addresses the cleaning (removal of contaminants) to a specified degree on cleanroom surfaces, surfaces of equipment in the cleanroom and surfaces of materials in the cleanroom.
The following are excluded from this document:
- product and process cleaning;
- cleaning of microbiological contamination;
- detailed cleaning methods and procedures.

This part of ISO 14644 provides guidance about different cleaning techniques, classified, e.g. as wet/dry and physical/chemical.
This part of ISO 14644 provides guidance on which methods should be used for achieving required Surface cleanliness by particle concentration (SCP) and Surface cleanliness by chemical concentration (SCC) classes and which techniques should be considered to achieve these specified levels.

The efficacy of cleaning techniques makes reference to the cleanliness classes and associated test methods found in ISO 14644-8, -9 and -10.
The following matters of general guidance are provided:
• assessment of adverse effects such as health and safety considerations,
surface/material properties;
• compatability of surfaces with the cleaning technique,
• surface attributes such as morphology;
• configurations such as crevices, holes and cracks,
• waste and effluent
• suitability of cleaning agents and materials (e.g. purity, cleanliness, properties)

SIST EN ISO 14903:2017 SIST EN 16084:2011
2017-10 (po) (en) 41 str. (I)
Hladilni sistemi in toplotne črpalke - Ocena tesnosti sestavnih delov in spojev (ISO 14903:2017)
Refrigerating systems and heat pumps - Qualification of tightness of components and joints (ISO 14903:2017)
Osnova: **EN ISO 14903:2017**
ICS: **27.200, 27.080**

This European Standard is intended to describe the qualification procedure for type approval of the tightness of hermetically sealed and closed components, joints and parts used in refrigerating systems and heat pumps as described in EN 378. The sealed and closed components, joints and parts concerned are, in particular, fittings, bursting discs, flanged or fitted assemblies. The tightness of flexible piping made from non-metallic materials is dealt with in EN 1736. Metal flexible piping are covered by this standard.
The requirements contained in this document are applicable to joints of maximum DN 50 and components of internal volume of maximum 5 l and maximum weight of 50 kg.
This document is intended to characterise their tightness stresses met during their operations, following the fitting procedure specified by the manufacturer, and to specify the minimal list of necessary information to be provided by the supplier of a component to the person in charge of carrying out this procedure.
It specifies the level of tightness of the component, as a whole, and its assembly as specified by its manufacturer.
It applies to the hermetically sealed and closed components, joints and parts used in the refrigerating installations, including those with seals, whatever their material and their design are.
This European Standard specifies additional requirements for mechanical joints that can be recognised as hermetically sealed joints.

SIST EN ISO 15584:2017 SIST EN ISO 15584:2002
2017-10 (po) (en;fr;de) 14 str. (D)
Mala plovila - Vgrajeni bencinski motorji - Nameščene komponente za gorivo in elektriko (ISO 15584:2001)
Small craft - Inboard petrol engines - Engine-mounted fuel and electrical components (ISO 15584:2001)
Osnova: **EN ISO 15584:2017**
ICS: **47.020.20, 47.080**

This International Standard specifies requirements for the design and installation of engine-mounted fuel and electrical system components on inboard petrol engines for minimizing fuel leakage and protecting against ignition of surrounding flammable gases on small craft of hull length up to 24 m.
The following types of engines are exempt from the application of this International Standard:
_ engines in personal watercraft as defined by ISO 13590 (see the bibliography);
_ outboard engines.

SIST EN ISO 15652:2017 SIST EN ISO 15652:2005
2017-10 (po) (en;fr;de) 15 str. (D)
Mala plovila - Daljinski krmilni sistemi mini čolnov z reaktivnim vodnim pogonom (jet boats) (ISO 15652:2003)
Small craft - Remote steering systems for inboard mini jet boats (ISO 15652:2003)
Osnova: EN ISO 15652:2017
ICS: 47.020.70, 47.080

ISO 15652:2003 specifies the minimum level of requirements for construction, operation and installation of remote steering systems for all small inboard jet boats weighing less than 1 000 kg, excluding water scooters.

SIST EN ISO 16147:2017 SIST EN ISO 16147:2003
SIST EN ISO 16147:2003/A1:2013
2017-10 (po) (en;fr;de) 12 str. (C)
Mala plovila - Vgrajeni dizelski motorji - Nameščene komponente za gorivo in elektriko (ISO 16147:2002)
Small craft - Inboard diesel engines - Engine-mounted fuel and electrical components (ISO 16147:2002)
Osnova: EN ISO 16147:2017
ICS: 47.020.20, 47.080

ISO 16147:2002 establishes requirements for the design and installation of engine-mounted fuel and electrical components on diesel inboard-mounted engines for minimizing fuel leakage and the risk of and/or the spread of fire on small craft of hull length up to 24 m.

SIST EN ISO 18295-1:2017 SIST EN 15838:2010
2017-10 (po) (en;fr;de) 25 str. (F)
Klicni centri - 1. del: Zahteve za klicne centre (ISO 18295-1:2017)
Customer contact centres - Part 1: Requirements for customer contact centres (ISO 18295-1:2017)
Osnova: EN ISO 18295-1:2017
ICS: 03.080.30

This document specifies service requirements for customer contact centres (CCC). It specifies a framework for any CCC that aims to assist in providing clients and customers with services that continuously and proactively meet or exceed their needs.
This document is applicable to both in-house (captive) and outsourced (third party operator) CCCs of all sizes, across all sectors and all interaction channels, including inbound and outbound. It specifies performance metrics (KPIs) as and where required.

SIST EN ISO 18295-2:2017 SIST EN 15838:2010
2017-10 (po) (en;fr;de) 15 str. (D)
Klicni centri - 2. del: Zahteve za uporabo storitev klicnih centrov (ISO 18295-2:2017)
Customer contact centres - Part 2: Requirements for using the services of customer contact centres (ISO 18295-2:2017)
Osnova: EN ISO 18295-2:2017
ICS: 03.080.30

This document specifies requirements for organizations using the services of customer contact centres (CCC). It aims to ensure that customer expectations are consistently met through the provision and management of appropriate arrangements with CCCs meeting the requirements of ISO 18295-1.

This document is applicable to clients using CCCs of all sizes, across all sectors including in-house (captive) centres and outsourced (third party operator) centres, across multiple contact channels, including voice and non-voice media.

SIST EN ISO 28927-2:2010/A1:2017
2017-10 (po) (en) 25 str. (F)
Ročna prenosna električna orodja - Preskusne metode za vrednotenje oddajanja vibracij - 2. del: Vijači, izvijači in privijala - Dopolnilo A1: Spremembe v dodatku C - Zavorne naprave (ISO 28927-2:2009/Amd 1:2017)
Hand-held portable power tools - Test methods for evaluation of vibration emission - Part 2: Wrenches, nutrunners and screwdrivers - Amendment 1: Changes in annex C - Brake device (ISO 28927-2:2009/Amd 1:2017)
Osnova: **EN ISO 28927-2:2009/A1:2017**
ICS: **25.140.20, 25.140.30, 13.160**

Dopolnilo A1 je dodatek k standardu SIST EN ISO 28927-2:2010.
Ta del ISO 28927 določa laboratorijsko metodo merjenja emisij ročnega oddajanja vibracij na ročajih ročnih električnih vijačev, izvijačev in privijal, uporabljenih za zategovanje in odtegovanje spojnih elementov z navojem.
To je postopek tipskega preskusa za vzpostavljanje razsežnosti vibracij v območju držanja stroja, ko deluje pod določeno obremenitvijo. Ta metoda je bila preskušena samo za naloge pritrditve. Namenjen je, da se rezultati uporabijo za primerjavo različnih modelov strojev istega tipa. Ta del ISO 28927 velja za ročne stroje (glej Klavzulo 5), pnevmatično ali kako drugače gnane, z udarno ali sunkovito akcijo, izklopnega tipa, tipa z zaskočko ali ustavitvijo in ostalih zasnov - ravne, z ročajem v obliki pištole, kotnim ali premim ročajem. Zajema stroje z od 6,3 mm do 40 mm (1/4 cole do 11/2 col) moške ali ženske izhodne pogonske gredi, kot tudi ostale oblike. Ne velja za izvijače, ki so zasnovani za uporabo kot roka za odzivni prenos navora.

SIST EN ISO 4496:2017 SIST EN 24496:2000
2017-10 (po) (en;fr;de) 13 str. (D)
Kovinski prah - Določevanje netopne kisline železa, bakra, kositra in bronovega prahu (ISO 4496:2017)
Metallic powders - Determination of acid-insoluble content in iron, copper, tin and bronze powders (ISO 4496:2017)
Osnova: **EN ISO 4496:2017**
ICS: **77.160**

This document specifies methods for determining, in iron, copper, tin and bronze powders, the approximate content of non-metallic materials which are insoluble in the ordinary mineral acids. The insoluble matter referred to is generally considered to be acid-insoluble silica and silicates, carbides, alumina, clays or other refractory oxides which are either present in the raw material from which the powders are manufactured or introduced during the manufacturing process.

SIST EN ISO 8665:2017 SIST EN ISO 8665:2007
2017-10 (po) (en;fr;de) 13 str. (D)
Mala plovila - Batni motorji z notranjim zgorevanjem za pogon ladij/čolnov - Merjenje moči in deklariranje (ISO 8665:2006)
Small craft - Marine propulsion reciprocating internal combustion engines - Power measurements and declarations (ISO 8665:2006)
Osnova: **EN ISO 8665:2017**
ICS: **47.020.20, 47.080**

This International Standard specifies the requirements additional to ISO 15550 for determining the power of marine propulsion reciprocating internal combustion (RIC) engines when presented for documenting and checking of the declared (rated) power published by the manufacturer.
This International Standard applies to engines used for propulsion of recreational craft and other small craft of up to 24 m hull length.
This International Standard is to be used in conjunction with ISO 15550.
NOTE For determination of power for exhaust emission tests according to ISO 8178, ISO 14396 applies.

SIST EN ISO 8846:2017 SIST EN 28846:2000
SIST EN 28846:2000/A1:2001

2017-10 (po) (en;fr;de) 14 str. (D)

Mala plovila - Električne naprave - Varovanje pred vžigom gorljivih plinov v okolici (ISO 8846:1990)

Small craft - Electrical devices - Protection against ignition of surrounding flammable gases (ISO 8846:1990)

Osnova: EN ISO 8846:2017
ICS: 13.220.20, 47.020.60, 47.080

Describes test methods and requirements for the design of electrical devices to be used on small craft so that they may be operated in an explosive atmosphere without igniting surrounding flammable gases.

SIST EN ISO 8847:2017 SIST EN ISO 8847:2004
SIST EN ISO 8847:2004/AC:2006

2017-10 (po) (en;fr;de) 15 str. (D)

Mala plovila - Krmilni mehanizem - Sistemi s kabli in škripčevjem (ISO 8847:2004)

Small craft - Steering gear - Cable and pulley systems (ISO 8847:2004)

Osnova: EN ISO 8847:2017
ICS: 47.020.70, 47.080

This International Standard specifies the minimum level of requirements for operation, construction and installation of cable and pulley steering systems on sailing craft of hull length up to 24 m, with or without an auxiliary engine.
This International Standard sets requirements for the design and construction of all components of a steering system from the wheel to, and including, the steering arm. It applies only to cable and pulley steering systems, whether for pedestal or bulkhead types.
The design and specifications for the rudder shaft and rudder blade are within the province of the naval architect and are assumed to be appropriate to the size and speed of the boat.

SIST EN ISO 8848:2017 SIST EN 28848:2000
SIST EN 28848:2000/A1:2001

2017-10 (po) (en;fr;de) 15 str. (D)

Mala plovila - Daljinski sistemi krmiljenja (ISO 8848:1990)

Small craft - Remote steering systems (ISO 8848:1990)

Osnova: EN ISO 8848:2017
ICS: 47.080, 47.020.70

Lays down requirements and test methods for remote push-pull cable steering systems and their major component items, used for small craft with single and twin installations of outboard motors of over 15 kW power, and all inboard motors, inboard motor-outdrives, and waterjet drives.

SIST EN ISO 9094:2017 SIST EN ISO 9094:2016

2017-10 (po) (en;fr;de) 39 str. (H)

Mala plovila - Požarna zaščita (ISO 9094:2015)

Small craft - Fire protection (ISO 9094:2015)

Osnova: EN ISO 9094:2017

ICS: 13.220.20, 47.080

This International Standard defines a practical degree of fire prevention and protection intended to provide enough time for occupants to escape a fire on board small craft.
It applies to all small craft of up to 24 m length of hull (L_H) except for personal watercraft.
This International Standard excludes:
— the design and installation of those permanently installed galley stoves and heating appliances (including components used to distribute the heat) using fuels that are liquid at atmospheric pressure on small craft, which are covered by ISO 14895;
— carbon monoxide detecting systems, which are covered by ISO 12133[3].

SIST EN ISO 9097:2017 SIST EN ISO 9097:2000
SIST EN ISO 9097:2000/A1:2001

2017-10 (po) (en;fr;de) 9 str. (C)

Mala plovila - Električni ventilatorji (ISO 9097:1991)

Small craft - Electric fans (ISO 9097:1991)

Osnova: EN ISO 9097:2017

ICS: 47.020.90, 47.080, 23.120

Specifies requirements and describes test methods for measuring the airflow of fans intended for use in engine compartments and similar spaces. Applies to fans rated for less than 50 V (d.c.).

SIST EN ISO 9775:2017 SIST EN 29775:2000
SIST EN 29775:2000/A1:2001

2017-10 (po) (en;fr;de) 16 str. (D)

Mala plovila - Daljinski sistemi krmiljenja za enojne izvenkrmne motorje z močjo od 15 kW do 40 kW (ISO 9775:1990)

Small craft - Remote steering systems for single outboard motors of 15 kW to 40 kW power (ISO 9775:1990)

Osnova: EN ISO 9775:2017

ICS: 47.020.70, 47.080, 47.020.20

Specifies requirements and test methods for remote push-pull cable steering systems and their major component items, used for small craft with a single outboard motor of 15 kW to 40 kW power. Includes definitions, installation, test requirements, as-installed tests, component tests and outboard motor requirements. Components and functional details are given in figures.

Razveljavitev slovenskih standardov

SIST/TC	Razveljavljeni dokument	Leto razveljavitve	Zamenjan z dokumentom
SIST/TC DTN	SIST EN 115-1:2009+A1:2010	2017-10	SIST EN 115-1:2017
SIST/TC EAL	SIST-TS CLC/TS 50136-9:2014	2017-10	SIST-TS CLC/TS 50136-9:2017
SIST/TC ETC	SIST EN 60068-2-75:2001	2017-10	SIST EN 60068-2-75:2014
SIST/TC EXP	SIST EN 50379-1:2005	2017-10	
SIST/TC EXP	SIST EN 50379-2:2005	2017-10	
SIST/TC EXP	SIST EN 50379-3:2005	2017-10	
SIST/TC FGA	SIST EN 60299:1998	2017-10	SIST EN 60299:2014
SIST/TC FGA	SIST EN 61255:1998	2017-10	SIST EN 61255:2014
SIST/TC IEMO	SIST EN 60601-2-27:2006	2017-10	
SIST/TC IEMO	SIST EN 60601-2-34:2002	2017-10	
SIST/TC IEMO	SIST EN 61331-1:2002	2017-10	SIST EN 61331-1:2014
SIST/TC IEMO	SIST EN 61331-2:2002	2017-10	SIST EN 61331-2:2014
SIST/TC IEMO	SIST EN 61331-3:1999	2017-10	SIST EN 61331-3:2014
SIST/TC IESV	SIST EN 60061-1:1999/A27:2002	2017-10	SIST EN 60061-1:1999/A27:2014
SIST/TC IESV	SIST EN 60598-2-22:2000	2017-10	SIST EN 60598-2-22:2015
SIST/TC IESV	SIST EN 60598-2-22:2000/A1:2004	2017-10	SIST EN 60598-2-22:2015
SIST/TC IESV	SIST EN 60598-2-22:2000/A2:2008	2017-10	
SIST/TC IFEK	SIST EN 10028-1:2008+A1:2009	2017-10	SIST EN 10028-1:2017
SIST/TC IFEK	SIST EN 10028-1:2008+A1:2009/AC:2010	2017-10	SIST EN 10028-1:2017
SIST/TC IFEK	SIST EN 10028-2:2009	2017-10	SIST EN 10028-2:2017
SIST/TC IFEK	SIST EN 10028-3:2009	2017-10	SIST EN 10028-3:2017
SIST/TC IFEK	SIST EN 10028-4:2009	2017-10	SIST EN 10028-4:2017
SIST/TC IFEK	SIST EN 10028-5:2009	2017-10	SIST EN 10028-5:2017
SIST/TC IFEK	SIST EN 10028-6:2009	2017-10	SIST EN 10028-6:2017
SIST/TC IFEK	SIST EN 10120:2008	2017-10	SIST EN 10120:2017
SIST/TC IFEK	SIST EN ISO 21809-5:2010	2017-10	SIST EN ISO 21809-5:2017
SIST/TC IIZS	SIST EN 60664-3:2004/A1:2010	2017-10	SIST EN 60664-3:2017
SIST/TC IOVO	SIST EN 1111:1998	2017-10	SIST EN 1111:2017
SIST/TC IOVO	SIST EN 12485:2011	2017-10	SIST EN 12485:2017
SIST/TC IOVO	SIST EN 1287:2000	2017-10	SIST EN 1287:2017
SIST/TC IOVO	SIST EN 816:1997	2017-10	SIST EN 816:2017
SIST/TC IPMA	SIST EN ISO 22007-4:2012	2017-10	SIST EN ISO 22007-4:2017

SIST/TC	Razveljavljeni dokument	Leto razveljavitve	Zamenjan z dokumentom
SIST/TC ISCB	SIST EN 50272-3:2003	2017-10	SIST EN 62485-3:2015
SIST/TC ISTM	SIST ISO 21748:2014	2017-10	SIST ISO 21748:2017
SIST/TC ISTP	SIST EN 12445:2001	2017-10	SIST EN 12453:2017
SIST/TC ISTP	SIST EN 12453:2001	2017-10	SIST EN 12453:2017
SIST/TC ITC	SIST EN ISO 11073-10417:2014	2017-10	SIST EN ISO 11073-10417:2017
SIST/TC ITC	SIST EN ISO 15008:2009	2017-10	SIST EN ISO 15008:2017
SIST/TC ITC	SIST EN ISO/IEC 15416:2003	2017-10	
SIST/TC ITC	SIST-TS CEN ISO/TS 17574:2009	2017-10	SIST-TS CEN ISO/TS 17574:2017
SIST/TC ITC	SIST-TS CEN/TS 16794-1:2015	2017-10	SIST-TS CEN/TS 16794-1:2017
SIST/TC ITC	SIST-TS CEN/TS 16794-2:2015	2017-10	SIST-TS CEN/TS 16794-2:2017
SIST/TC ITEK	SIST EN 13553:2015	2017-10	SIST EN 13553:2017
SIST/TC ITEK	SIST EN 13845:2005	2017-10	SIST EN 13845:2017
SIST/TC ITEK	SIST EN ISO 1107:2003	2017-10	SIST EN ISO 1107:2017
SIST/TC IVAR	SIST EN ISO 15614-1:2004	2017-10	SIST EN ISO 15614-1:2017
SIST/TC IVAR	SIST EN ISO 15614-1:2004/A1:2008	2017-10	SIST EN ISO 15614-1:2017
SIST/TC IVAR	SIST EN ISO 15614-1:2004/A2:2012	2017-10	SIST EN ISO 15614-1:2017
SIST/TC IŽNP	SIST EN 13848-5:2008+A1:2011	2017-10	SIST EN 13848-5:2017
SIST/TC KON	SIST-TS CEN ISO/TS 22476-11:2008	2017-10	SIST EN ISO 22476-11:2017
SIST/TC KŽP	SIST EN 15510:2007	2017-10	SIST EN 15510:2017
SIST/TC KŽP	SIST EN 15550:2008	2017-10	SIST EN 15550:2017
SIST/TC KŽP	SIST EN 15621:2012	2017-10	SIST EN 15621:2017
SIST/TC MOC	SIST EN 61280-4-2:2001	2017-10	SIST EN 61280-4-2:2014
SIST/TC MOC	SIST EN 61978-1:2010	2017-10	SIST EN 61978-1:2014
SIST/TC MOC	SIST EN 62148-15:2010	2017-10	SIST EN 62148-15:2014
SIST/TC MOC	SIST EN 62149-2:2009	2017-10	SIST EN 62149-2:2014
SIST/TC MOC	SIST EN 62149-3:2004	2017-10	SIST EN 62149-3:2015
SIST/TC NAD	SIST EN 15470:2008	2017-10	SIST EN 15470:2017
SIST/TC NAD	SIST EN 15471:2008	2017-10	SIST EN 15471:2017
SIST/TC NAD	SIST EN 15984:2011	2017-10	SIST EN 15984:2017
SIST/TC NAD	SIST EN 1601:2014	2017-10	SIST EN 1601:2017
SIST/TC NAD	SIST EN 1601:2014/AC:2014	2017-10	SIST EN 1601:2017
SIST/TC NAD	SIST EN ISO 6145-6:2008	2017-10	SIST EN ISO 6145-6:2017
SIST/TC NAD	SIST-TP CEN/TR 16389:2012	2017-10	SIST-TP CEN/TR 16389:2017

SIST/TC	Razveljavljeni dokument	Leto razveljavitve	Zamenjan z dokumentom
SIST/TC NTF	SIST EN 50438:2008	2017-10	SIST EN 50438:2014
SIST/TC OCE	SIST EN 12675:2002	2017-10	SIST EN 12675:2017
SIST/TC OGS	SIST EN 13141-3:2004	2017-10	SIST EN 13141-3:2017
SIST/TC OGS	SIST EN 1860-1:2013	2017-10	SIST EN 1860-1:2013+A1:2017
SIST/TC OVP	SIST EN ISO 20349:2011	2017-10	SIST EN ISO 20349-1:2017 SIST EN ISO 20349-2:2017
SIST/TC PKG	SIST EN 1330-9:2009	2017-10	SIST EN 1330-9:2017
SIST/TC POD	SIST EN 60099-4:2005	2017-10	SIST EN 60099-4:2014
SIST/TC POD	SIST EN 60099-4:2005/A1:2007	2017-10	SIST EN 60099-4:2014
SIST/TC POD	SIST EN 60099-4:2005/A2:2009	2017-10	SIST EN 60099-4:2014
SIST/TC PSE	SIST EN 60870-6-503:2004	2017-10	SIST EN 60870-6-503:2014
SIST/TC PSE	SIST EN 60870-6-702:2000	2017-10	SIST EN 60870-6-702:2014
SIST/TC PSE	SIST EN 60870-6-802:2004	2017-10	SIST EN 60870-6-802:2014
SIST/TC PSE	SIST EN 60870-6-802:2004/A1:2005	2017-10	SIST EN 60870-6-802:2014
SIST/TC SKA	SIST EN 60947-4-3:2000	2017-10	SIST EN 60947-4-3:2014
SIST/TC SKA	SIST EN 60947-4-3:2000/A1:2007	2017-10	SIST EN 60947-4-3:2014
SIST/TC SKA	SIST EN 60947-4-3:2000/A2:2011	2017-10	SIST EN 60947-4-3:2014
SIST/TC SPO	SIST EN 1069-1:2010	2017-10	SIST EN 1069-1:2017
SIST/TC SPO	SIST EN 1069-1:2010/AC:2012	2017-10	SIST EN 1069-1:2017
SIST/TC SPO	SIST EN 1069-2:2010	2017-10	SIST EN 1069-2:2017
SIST/TC SPO	SIST EN 565:2007	2017-10	SIST EN 565:2017
SIST/TC SPO	SIST ISO 6265:1995	2017-10	SIST ISO 6265:2017
SIST/TC SPO	SIST ISO 6266:1995	2017-10	SIST ISO 6266:2017
SIST/TC SPO	SIST ISO 8061:2005	2017-10	SIST ISO 8061:2017
SIST/TC SPO	SIST ISO 8061:2005/A1:2011	2017-10	SIST ISO 8061:2017
SIST/TC SPO	SIST ISO 8783:2003	2017-10	SIST ISO 8783:2017
SIST/TC SPO	SIST ISO 9462:2011	2017-10	SIST ISO 9462:2017
SIST/TC SPO	SIST ISO 9462:2011/A1:2011	2017-10	SIST ISO 9462:2017
SIST/TC SPO	SIST ISO 9838:2011	2017-10	SIST ISO 9838:2017
SIST/TC STZ	SIST EN 50468:2009	2017-10	
SIST/TC STZ	SIST EN 50536:2011	2017-10	
SIST/TC STZ	SIST EN 50536:2011/A1:2012	2017-10	
SIST/TC STZ	SIST EN 50536:2011/AC:2011	2017-10	
SIST/TC VAZ	SIST EN ISO 11137-3:2006	2017-10	SIST EN ISO 11137-3:2017
SIST/TC ŽEN	SIST EN 61287-1:2007	2017-10	SIST EN 61287-1:2014
SIST/TC ŽEN	SIST EN 62290-1:2007	2017-10	SIST EN 62290-1:2014
SIST/TC ŽEN	SIST EN 62290-2:2011	2017-10	SIST EN 62290-2:2014

SIST/TC	Razveljavljeni dokument	Leto razveljavitve	Zamenjan z dokumentom
SIST/TC I09	SIST EN 60664-3:2004	2017-10	SIST EN 60664-3:2017
SIST/TC I09	SIST EN 60846:2005	2017-10	SIST EN 60846-1:2014
SIST/TC I09	SIST EN 60871-1:2007	2017-10	SIST EN 60871-1:2014
SIST/TC I11	SIST EN 61534-21:2007	2017-10	SIST EN 61534-21:2014
SIST/TC I11	SIST EN 61534-22:2009	2017-10	SIST EN 61534-22:2014
SIST/TC I11	SIST EN 62288:2008	2017-10	SIST EN 62288:2014
SIST/TC I13	SIST EN 15838:2010	2017-10	SIST EN ISO 18295-1:2017 SIST EN ISO 18295-2:2017
SIST/TC I13	SIST EN 16084:2011	2017-10	SIST EN ISO 14903:2017
SIST/TC I13	SIST EN 2267-009:2013	2017-10	SIST EN 2267-009:2017
SIST/TC I13	SIST EN 2267-010:2014	2017-10	SIST EN 2267-010:2017
SIST/TC I13	SIST EN 24496:2000	2017-10	SIST EN ISO 4496:2017
SIST/TC I13	SIST EN 28846:2000	2017-10	SIST EN ISO 8846:2017
SIST/TC I13	SIST EN 28846:2000/A1:2001	2017-10	SIST EN ISO 8846:2017
SIST/TC I13	SIST EN 28848:2000	2017-10	SIST EN ISO 8848:2017
SIST/TC I13	SIST EN 28848:2000/A1:2001	2017-10	SIST EN ISO 8848:2017
SIST/TC I13	SIST EN 29775:2000	2017-10	SIST EN ISO 9775:2017
SIST/TC I13	SIST EN 29775:2000/A1:2001	2017-10	SIST EN ISO 9775:2017
SIST/TC I13	SIST EN 3302:2008	2017-10	SIST EN 3302:2017
SIST/TC I13	SIST EN 6059-503:2012	2017-10	SIST EN 6059-503:2017
SIST/TC I13	SIST EN ISO 10088:2013	2017-10	SIST EN ISO 10088:2017
SIST/TC I13	SIST EN ISO 10133:2013	2017-10	SIST EN ISO 10133:2017
SIST/TC I13	SIST EN ISO 10239:2015	2017-10	SIST EN ISO 10239:2017
SIST/TC I13	SIST EN ISO 10592:2000	2017-10	SIST EN ISO 10592:2017
SIST/TC I13	SIST EN ISO 10592:2000/A1:2001	2017-10	SIST EN ISO 10592:2017
SIST/TC I13	SIST EN ISO 12217-3:2016	2017-10	SIST EN ISO 12217-3:2017
SIST/TC I13	SIST EN ISO 13929:2001	2017-10	SIST EN ISO 13929:2017
SIST/TC I13	SIST EN ISO 15584:2002	2017-10	SIST EN ISO 15584:2017
SIST/TC I13	SIST EN ISO 15652:2005	2017-10	SIST EN ISO 15652:2017
SIST/TC I13	SIST EN ISO 16147:2003	2017-10	SIST EN ISO 16147:2017
SIST/TC I13	SIST EN ISO 16147:2003/A1:2013	2017-10	SIST EN ISO 16147:2017
SIST/TC I13	SIST EN ISO 8665:2007	2017-10	SIST EN ISO 8665:2017
SIST/TC I13	SIST EN ISO 8847:2004	2017-10	SIST EN ISO 8847:2017
SIST/TC I13	SIST EN ISO 8847:2004/AC:2006	2017-10	SIST EN ISO 8847:2017
SIST/TC I13	SIST EN ISO 9094:2016	2017-10	SIST EN ISO 9094:2017
SIST/TC I13	SIST EN ISO 9097:2000	2017-10	SIST EN ISO 9097:2017
SIST/TC I13	SIST EN ISO 9097:2000/A1:2001	2017-10	SIST EN ISO 9097:2017

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 10/2017

Publikacije	Št. izvodov

Naročnik (ime, št. naročilnice)

Podjetje (naziv iz registracije)

Naslov (za račun)

Naslov za pošiljko (če je drugačen)

Davčni zavezanec • da • ne

Davčna številka

E-naslov (obvezno!)

Telefon

Datum

Faks

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

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