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Objava novih slovenskih nacionalnih standardov

SIST/TC ELI Nizkonapetostne in komunikacijske električne inštalacije

SIST EN 50600-4-2:2017/A1:2019
2019-06 (po) (en;fr) 7 str. (B)
Informacijska tehnologija - Naprave in infrastruktura podatkovnih centrov - 4-2. del: Učinkovitost porabe energije - Dopolnilo A1
Information technology - Data centre facilities and infrastructures - Part 4-2: Power Usage Effectiveness
Osnova: EN 50600-4-2:2016/A1:2019
ICS: 35.110

Dopolnilo A1:2019 je dodatek k standardu SIST EN 50600-4-2:2017.
Ta evropski standard določa učinkovitost porabe energije (PUE) kot bistveni kazalnik učinkovitosti (KPI) za kvantifikacijo učinkovite porabe energije v obliki elektrike.
OPOMBA: Glej opombo 1 glede vnosa v definiciji 3.1.3.
Ta evropski standard:
a) določa učinkovitost porabe energije podatkovnega centra;
b) uvaja merilne kategorije učinkovitosti porabe energije;
c) opisuje razmerje tega bistvenega kazalnika učinkovitosti z infrastrukturo podatkovnega centra, opremo informacijske tehnologije in delovanjem informacijske tehnologije;
d) opredeljuje merjenje, izračun in poročanje parametra;
e) podaja informacije o pravilni interpretaciji učinkovitosti porabe energije.
Izpeljanke učinkovitosti porabe energije so opisane v dodatku C.

SIST EN 50600-4-3:2017/A1:2019
2019-06 (po) (en;fr) 5 str. (B)
Informacijska tehnologija - Naprave in infrastruktura podatkovnih centrov - 4-3. del: Delež obnovljive energije - Dopolnilo A1
Information technology - Data centre facilities and infrastructures - Part 4-3: Renewable Energy Factor
Osnova: EN 50600-4-3:2016/A1:2019
ICS: 35.110

Dopolnilo A1:2019 je dodatek k standardu SIST EN 50600-4-3:2017.
Ta evropski standard: a) opredeljuje delež obnovljive energije (REF) podatkovnega centra; b) določa metodologijo za izračun in predstavitev deleža obnovljive energije; c) podaja informacije o pravilni interpretaciji deleža obnovljive energije.

SIST HD 60364-7-721:2019 SIST HD 60364-7-721:2009
2019-06 (po) (en) 31 str. (G)
Nizkonapetostne električne inštalacije - 7-721. del: Zahteve za posebne inštalacije ali lokacije - Električne inštalacije v počitniških prikolicah in avtodomih
Low-voltage electrical installations - Part 7-721: Requirements for special installations or locations - Electrical installations in caravans and motor caravans
Osnova: HD 60364-7-721:2019
ICS: 43.100, 91.140.50

The particular requirements of this part of IEC 60364 apply to electrical installations in caravans and motor caravans.
They apply to those electrical circuits and equipment intended for the use of the caravan for habitation purposes.
They do not apply to those electrical circuits and equipment for automotive purposes.
They do not apply to the electrical installations of mobile homes, residential park homes and transportable units.
NOTE 1 For mobile homes and residential park homes the general requirements apply.
NOTE 2 For transportable units see IEC 60364-7-717.
NOTE 3 For the purposes of this document, caravans and motor caravans are referred to as caravans"
The particular requirements of some parts from the IEC 60364-7 series can also apply to such installations in caravans, for example IEC 60364-7-701.

SIST/TC EMC Elektromagnetna združljivost

SIST EN 55016-4-2:2011/A2:2018/AC:2019
2019-06 (po) (en;fr;de) 2 str. (AC)
Specifikacija za merilne naprave in metode za merjenje radijskih motenj in odpornosti - 4-2. del: Modeliranje negotovosti, statistike in mejnih vrednosti - Negotovost merilnih instrumentov - Dopolnilo A2 - Popravek AC
Specification for radio disturbance and immunity measuring apparatus and methods - Part 4-2: Uncertainties, statistics and limit modelling - Measurement instrumentation uncertainty
Osnova: EN 55016-4-2:2011/A2:2018/AC:2019-02
ICS: 33.100.01, 17.220.20

Popravek k standardu SIST EN 55016-4-2:2011/A2:2018.
Ta del CISPR 16-4 določa metodo za uporabo negotovosti merilnih instrumentov (MIU) pri določanju skladnosti z mejami motenj po CISPR. Gradivo je pomembno tudi za vse preskuse EMC, pri katerih na razlago rezultatov in zaključke vpliva negotovost merilnih instrumentov, uporabljenih med preskušanjem. OPOMBA: V skladu z Vodilom IEC 107 je CISPR 16-4-2 osnovni standard EMC, ki ga uporabljajo odbori za proizvode IEC. Kot je navedeno v Vodilu 107, so odbori za proizvode odgovorni za določevanje uporabe tega standarda EMC. CISPR in njegovi pododbori so pripravljeni sodelovati s tehničnimi odbori in odbori za proizvode pri ocenjevanju uporabnosti tega standarda za določene proizvode. Dodatki vsebujejo temeljno gradivo, ki se uporablja pri podajanju velikosti MIU, ugotovljene pri nastajanju vrednosti CISPR, prikazanih v točkah od 4 do 8, in so zato koristno temeljno gradivo za tiste, ki potrebujejo začetne in nadaljnje informacije o MIU in informacije o tem, kako v verigi meritev upoštevati posamezne negotovosti. Dodatki niso mišljeni kot priročniki za vajo ali uporabo ali za kopiranje pri izračunavanju negotovosti. V ta namen se lahko uporabljajo reference, navedene v bibliografiji, ali drugi splošno priznani dokumenti.
Specifikacije merilnih instrumentov so podane v seriji CISPR 16-1, merilne metode pa zajema serija CISPR 16-2. Nadaljnje informacije in ozadje o CISPR in radijskih motnjah so navedeni v CISPR 16-3. Drugi deli serije CISPR 16-4 vsebujejo več informacij o negotovosti na splošno, statistiki in modeliranju mejnih vrednosti. Za več informacij o ozadju in o vsebini serije CISPR 16-4 glejte uvod tega dela.

SIST EN IEC 61000-3-2:2019 SIST EN 61000-3-2:2014
2019-06 (po) (en) 38 str. (H)
Elektromagnetna združljivost (EMC) - 3-2. del: Mejne vrednosti - Mejne vrednosti za oddajanje harmonskih tokov (vhodni tok opreme do vključno 16 A na fazo)
Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions (equipment input current ≤ 16 A per phase)
Osnova: EN IEC 61000-3-2:2019
ICS: 33.100.10

This part of IEC 61000 deals with the limitation of harmonic currents injected into the public supply system.
It specifies limits of harmonic components of the input current which can be produced by equipment tested under specified conditions.
This part of IEC 61000 is applicable to electrical and electronic equipment having a rated input current up to and including 16 A per phase, and intended to be connected to public low-voltage distribution systems.
Arc welding equipment which is not professional equipment, with a rated input current up to and including 16 A per phase, is included in this document. Arc welding equipment intended for professional use, as specified in IEC 60974-1, is excluded from this document and can be subject to installation restrictions as indicated in IEC 61000-3-12.
The tests according to this document are type tests.
For systems with nominal voltages less than but not equal to 220 V (line-to-neutral), the limits have not yet been considered.
NOTE The words apparatus, appliance, device and equipment are used throughout this document. They have the same meaning for the purposes of this document.

SIST/TC FGA Funkcionalnost gospodinjskih aparatov

SIST-TS CLC/TS 50677:2019
2019-06 (po) (en;fr) 39 str. (H)
Pralni in pralno-sušilni stroji za gospodinjsko in podobno uporabo - Metoda za ugotavljanje učinkovitosti izpiranja z merjenjem tenzidov na tekstilu
Clothes washing machines and washer-dryers for household and similar use - Method for the determination of rinsing effectiveness by measurement of the surfactant content at textile materials
Osnova: CLC/TS 50677:2019
ICS: 97.060

This Technical Specification provides a method for the evaluation of the rinsing effectiveness of household clothes washing machines, washer dryers and commercial washing machines. The amount of residual linear alkylbenzene sulfonate surfactant (LAS) extracted from the unstained test swatches of the strips used in the washing performance test is determined. This is accomplished by measuring the ultraviolet (UV) light absorbance at the wavelength particular to LAS, a key ingredient of the detergent.
Assuming a fixed linear relationship between LAS amount and quantity of detergent mixture and using a concentration versus absorbance curve developed as part of this procedure, the absorbance values are then converted into detergent concentrations, which together with the test solution mass data, yields detergent quantities. This assumption is done, because in the frame of this test it is not possible to determine the exact amount of LAS involved, even in the concentration curves, but only the amount of detergent used.
On the textiles, this linear relationship is not given, but it is nevertheless used to express the amount of LAS as determined by UV light absorbance measurements in terms of a detergent amount.
Using a concentration versus absorbance curve developed as part of this procedure, the absorbance values can then be converted into detergent concentrations, which together with the test solution mass data, yields detergent quantities.

SIST/TC IEHT Elektrotehnika - Hidravlične turbine

SIST EN IEC 61400-1:2019 SIST EN 61400-1:2006
SIST EN 61400-1:2006/A1:2011
2019-06 (po) (en) 173 str. (R)
Sistemi za proizvodnjo energije na veter - 1. del: Zahteve za načrtovanje (IEC 61400-1:2019)
Wind energy generation systems - Part 1: Design requirements (IEC 61400-1:2019)
Osnova: EN IEC 61400-1:2019
ICS: 27.180

This part of IEC 61400 specifies essential design requirements to ensure the structural integrity of wind turbines. Its purpose is to provide an appropriate level of protection against damage from all hazards during the planned lifetime.
This document is concerned with all subsystems of wind turbines such as control and protection functions, internal electrical systems, mechanical systems and support structures. This document applies to wind turbines of all sizes. For small wind turbines, IEC 61400-2 can be applied. IEC 61400-3-1 provides additional requirements to offshore wind turbine installations.
This document is intended to be used together with the appropriate IEC and ISO standards mentioned in Clause 2.

SIST/TC IESV Električne svetilke

SIST EN 62717:2017/A2:2019
2019-06 (po) (en) 23 str. (F)
LED-moduli za splošno razsvetljavo - Tehnične zahteve - Dopolnilo A2 (IEC 62717:2014/A2:2019)
LED modules for general lighting - Performance requirements (IEC 62717:2014/A2:2019)
Osnova: EN 62717:2017/A2:2019
ICS: 29.140.50

Dopolnilo A2:2019 je dodatek k standardu SIST EN 62717:2017.
Ta mednarodni standard določa zahteve glede zmogljivosti za LED-module skupaj s preskusnimi metodami in pogoji, ki so potrebni za preverjanje skladnosti s tem standardom. Na sliki 1 so shematsko prikazani naslednji tipi LED-modulov:
1. tip: integrirani LED-moduli za uporabo pri enosmernem napajanju do 250 V ali izmeničnem napajanju do 1000 V pri 50 Hz ali 60 Hz.
2. tip: LED-moduli, ki delujejo z delom ločene kontrolne naprave, priključene na omrežno napetost, in vsebujejo dodatna krmilna sredstva znotraj (»polintegrirani«) za delovanje pod konstantno napetostjo, tokom in močjo.
3. tip: LED-moduli, pri katerih je celotna kontrolna naprava ločena od modula (neintegrirana) za delovanje pod konstantno napetostjo, tokom in močjo. Zahteve iz tega standarda se nanašajo samo na tipsko preskušanje.
Priporočila za preskušanje celotnega proizvoda ali serije so v obravnavi.
Ta standard zajema LED-module, ki temeljijo na neorganski tehnologiji LED, ki proizvaja belo svetlobo.
Življenjska doba LED-modulov je v večini primerov precej daljša od preskusnih časov v praksi.
Posledično ni mogoče preveriti proizvajalčeve trditve o življenjski dobi z zadostno mero zanesljivosti, ker projekcija preskusnih podatkov v prihodnost ni standardizirana. Zaradi tega je sprejetje ali zavrnitev proizvajalčevih trditev o življenjski dobi nad nazivno življenjsko dobo, kot je opredeljeno v točki v 6.1, zunaj področja uporabe tega standarda.
Namesto preverjanja veljavnosti življenjske dobe ta standard določa kode vzdrževanja lumnov pri opredeljenem končnem preskusnem času. Zato številka kode ne predvideva napovedi dosegljive življenjske dobe. Kategorije, ki jih predstavljajo kode, so kategorije znižanja vrednosti lumnov, ki delujejo v skladu z informacijami proizvajalca, ki so na voljo pred začetkom preskusa.
Za preverjanje trditve o življenjski dobi je potrebna ekstrapolacija podatkov preskusa. Presoja se splošna metoda projiciranja podatkov meritev zunaj omejenega preskusnega časa.
Merilo za uspel/neuspel preskus življenjske dobe, kot je določeno v tem standardu, se razlikuje od nazivnih meritev proizvajalcev. Za razlago meritev priporočene življenjske dobe glej dodatek C.
OPOMBA: Če moduli delujejo v svetilki, se lahko podatki o zmogljivosti razlikujejo od vrednosti v tem standardu, predvsem zaradi komponent svetilke, ki vplivajo na delovanje LED-modulov.
Ločena elektronska kontrolna naprava za LED-module, omenjena pri 2. in 3. tipu, ni del preskušanja na podlagi zahtev tega standarda.

SIST/TC IFEK Železne kovine

SIST EN 10283:2019 SIST EN 10283:2010
2019-06 (po) (en;fr;de) 21 str. (F)
Korozijsko obstojni jekleni ulitki
Corrosion resistant steel castings
Osnova: EN 10283:2019
ICS: 77.140.80, 77.140.20

This document applies to corrosion resistant steel castings for general purposes.
This document relates to castings manufactured from martensitic, austenitic, fully austenitic and austenitic-ferritic steel grades characterized by their chemical composition (see Table 1) and mechanical properties (see Table 2).
ln cases where castings are joined by welding by the founder, this document applies.
ln cases where castings are welded
- to wrought products (plates, tubes, forgings),
- or by non-founders,
this document does not apply.

SIST EN ISO 13520:2019
2019-06 (po) (en;fr;de) 16 str. (D)
Določevanje feritov v avstenitnih ulitkih iz nerjavečega jekla (ISO 13520:2015)
Determination of ferrite content in austenitic stainless steel castings (ISO 13520:2015)
Osnova: EN ISO 13520:2019
ICS: 77.140.20, 77.140.80

ISO 13520:2015 specifies procedures which are covered for estimating ferrite content in certain grades of austenitic iron-chromium-nickel alloy castings that have compositions balanced to create the formation of ferrite as a second phase in amounts controlled within specified limits. Methods are described for estimating ferrite content by chemical, magnetic and metallographic means.

SIST/TC IIZS Izolacijski materiali in sistemi

SIST EN 60674-2:2017/A1:2019
2019-06 (po) (en) 6 str. (B)
Specifikacija za plastične folije za električne namene - 2. del: Metode preskušanja - Dopolnilo A1 (IEC 60674-2:2016/A1:2019)
Specification for plastic films for electrical purposes - Part 2: Methods of test (IEC 60674-2:2016/A1:2019)
Osnova: EN 60674-2:2017/A1:2019
ICS: 83.140.10, 29.035.20

Dopolnilo A1:2019 je dodatek k standardu SIST EN 60674-2:2017.
Ta del standarda IEC 60674 se uporablja za plastične folije za električne namene. Ta del standarda IEC 60674 določa metode preskušanja.

SIST/TC IPMA Polimerni materiali in izdelki

SIST EN 15416-3:2017+A1:2019 SIST EN 15416-3:2017
SIST EN 15416-3:2017/oprA1:2018

2019-06 (po) (en;fr;de) 12 str. (C)

Lepila (razen fenolnih ali aminskih) za nosilne lesene konstrukcije - Preskusne metode - 3. del: Preskus deformacij lezenja v cikličnih klimatskih pogojih s preskušanci pod upogibno-strižno obremenitvijo

Adhesives for load bearing timber structures other than phenolic and aminoplastic - Test methods - Part 3: Creep deformation test at cyclic climate conditions with specimens loaded in bending shear

Osnova: EN 15416-3:2017+A1:2019
ICS: 91.080.20, 83.180

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

SIST EN ISO 1183-1:2019 SIST EN ISO 1183-1:2013

2019-06 (po) (en;fr;de) 19 str. (E)

Polimerni materiali - Metode za določanje gostote nepenjenih polimernih materialov - 1. del: Metoda s potapljanjem, metoda s tekočinskim piknometrom in titracijska metoda (ISO 1183-1:2019)

Plastics - Methods for determining the density of non-cellular plastics - Part 1: Immersion method, liquid pyknometer method and titration method (ISO 1183-1:2019)

Osnova: EN ISO 1183-1:2019
ICS: 83.080.01

This document specifies three methods for the determination of the density of non-cellular plastics in the form of void-free moulded or extruded objects, as well as powders, flakes and granules.
— Method A: Immersion method, for solid plastics (except for powders) in void-free form.
— Method B: Liquid pycnometer method, for particles, powders, flakes, granules or small pieces of finished parts.
— Method C: Titration method, for plastics in any void-free form.
NOTE Density is frequently used to follow variations in physical structure or composition of plastic materials. Density can also be useful in assessing the uniformity of samples or specimens. Often, the density of plastic materials depend upon the choice of specimen preparation method. When this is the case, precise details of the specimen preparation method are intended to be included in the appropriate material specification. This note is applicable to all three methods.

SIST EN ISO 1183-2:2019 SIST EN ISO 1183-2:2004

2019-06 (po) (en;fr;de) 18 str. (E)

Polimerni materiali - Metode za določanje gostote nepenjenih polimernih materialov - 2. del: Kolonska metoda na osnovi gradienta gostote (ISO 1183-2:2019)

Plastics - Methods for determining the density of non-cellular plastics - Part 2: Density gradient column method (ISO 1183-2:2019)

Osnova: EN ISO 1183-2:2019
ICS: 83.080.01

This document specifies a gradient column method for the determination of the density of non-cellular moulded or extruded plastics or pellets in void-free form. Density gradient columns are

columns containing a mixture of two liquids, the density in the column increasing uniformly from top to bottom.
NOTE Density is frequently used to follow variations in physical structure or composition of plastic materials. Density can also be useful in assessing the uniformity of samples or specimens. The density of plastic materials can depend upon the choice of specimen preparation method. When this is the case, precise details of the specimen preparation method are intended to be included in the appropriate material specification.

SIST EN ISO 14851:2019 SIST EN ISO 14851:2004
2019-06 (po) (en;fr;de) 34 str. (H)
Določanje končne aerobne biorazgradljivosti polimernih materialov v vodnem mediju - Metoda z merjenjem porabe kisika v zaprtem respirometru (ISO 14851:2019)
Determination of the ultimate aerobic biodegradability of plastic materials in an aqueous medium - Method by measuring the oxygen demand in a closed respirometer (ISO 14851:2019)
Osnova: EN ISO 14851:2019
ICS: 83.080.01

This document specifies a method, by measuring the oxygen demand in a closed respirometer, for the determination of the degree of aerobic biodegradability of plastic materials, including those containing formulation additives. The test material is exposed in an aqueous medium under laboratory conditions to an inoculum from activated sludge.
If an unadapted activated sludge is used as the inoculum, the test simulates the biodegradation processes which occur in a natural aqueous environment; if a mixed or pre-exposed inoculum is used, the method is used to investigate the potential biodegradability of a test material.
The conditions used in this document do not necessarily correspond to the optimum conditions allowing maximum biodegradation to occur, but this document is designed to determine the potential biodegradability of plastic materials or give an indication of their biodegradability in natural environments.
The method enables the assessment of the biodegradability to be improved by calculating a carbon balance (optional, see Annex E).
The method applies to the following materials.
— Natural and/or synthetic polymers, copolymers or mixtures thereof.
— Plastic materials which contain additives such as plasticizers, colorants or other compounds.
— Water-soluble polymers.
— Materials which, under the test conditions, do not inhibit the microorganisms present in the inoculum.
Inhibitory effects can be determined using an inhibition control or by another appropriate method (see, for example, ISO 8192[2]). If the test material is inhibitory to the inoculum, a lower test concentration, another inoculum or a pre-exposed inoculum can be used.

SIST EN ISO 15023-2:2019 SIST EN ISO 15023-2:2006
2019-06 (po) (en;fr;de) 25 str. (F)
Polimerni materiali - Materiali na osnovi polivinilalkohola (PVAL) - 2. del: Ugotavljanje lastnosti (ISO 15023-2:2019)
Plastics - Poly(vinyl alcohol) (PVAL) materials - Part 2: Determination of properties (ISO 15023-2:2019)
Osnova: EN ISO 15023-2:2019
ICS: 83.080.20

This document specifies the methods to be used in determining the properties of poly(vinyl alcohol), which is normally prepared by hydrolysis of poly(vinyl acetate) and whose composition comprises vinyl alcohol monomeric units and vinyl acetate monomeric units. This document is applicable to poly(vinyl alcohol) with a vinyl alcohol unit content (degree of hydrolysis) from 70 mol% to 100 mol%.
In addition to the designatory properties specified in ISO 15023-1 (degree of hydrolysis and viscosity of an aqueous solution), this document includes a number of other properties which are commonly used to specify PVAL materials (see Table 1).

SIST EN ISO 19062-2:2019 SIST EN ISO 2580-2:2004

2019-06 (po) (en;fr;de) 16 str. (D)

Polimerni materiali - Materiali na osnovi terpolimerov akrilonitril-butadien-stirena (ABS) za oblikovanje in ekstrudiranje - 2. del: Priprava preskušancev in ugotavljanje lastnosti (ISO 19062-2:2019)

Plastics - Acrylonitrile-butadiene-styrene (ABS) moulding and extrusion materials - Part 2: Preparation of test specimens and determination of properties (ISO 19062-2:2019)

Osnova: EN ISO 19062-2:2019

ICS: 83.080.20

This document specifies the methods of preparation of test specimens and the test methods to be used in determining the properties of acrylonitrile-butadiene-styrene (ABS) moulding and extrusion materials. Requirements for handling the test material and for conditioning both the test material before moulding and the specimens before testing are given.

Procedures and conditions for the preparation of test specimens and procedures for measuring properties of the materials from which these specimens are made are given. Properties and test methods which are suitable and necessary to characterize ABS moulding and extrusion materials are listed. The properties have been selected from the general test methods in ISO 10350-1. Other test methods in wide use for, or of particular significance to, these moulding and extrusion materials are also included in this document, as are the designatory properties specified in ISO 19062-1.

In order to obtain reproducible and comparable test results, it is intended to use the methods of specimen preparation and conditioning, the specimen dimensions and the test procedures specified in this document. Values determined will not necessarily be identical to those obtained using specimens of different dimensions or prepared using different procedures.

SIST EN ISO 19065-2:2019 SIST EN ISO 6402-2:2004

2019-06 (po) (en;fr;de) 16 str. (D)

Polimerni materiali - Materiali na osnovi kopolimerov akrilonitril-stiren-akrilata (ASA), akrilonitril-(etilen-propilen-dien)-stirena (AEPDS) in akrilonitril-(klorirani polietilen)-stirena (ACS) za oblikovanje in ekstrudiranje - 2. del: Priprava preskušancev in ugotavljanje lastnosti (ISO 19065-2:2019)

Plastics - Acrylonitrile-styrene-acrylate (ASA), acrylonitrile-(ethylene-propylene-diene)-styrene (AEPDS) and acrylonitrile-(chlorinated polyethylene)-styrene (ACS) moulding and extrusion materials - Part 2: Preparation of test specimens and determination of properties (ISO 19065-2:2019)

Osnova: EN ISO 19065-2:2019

ICS: 83.080.20

This document specifies the methods of preparation of test specimens and the test methods to be used in determining the properties of acrylonitrile-styrene-acrylate (ASA), acrylonitrile-(ethylenepropylenediene)-styrene (AEPDS) and acrylonitrile-(chlorinated polyethylene)-styrene (ACS) moulding and extrusion materials. Requirements for handling the test material and for conditioning both the test material before moulding and the specimens before testing are given.

Procedures and conditions for the preparation of test specimens and procedures for measuring properties of the materials from which these specimens are made are given. Properties and test methods which are suitable and necessary to characterize ASA, AEPDS and ACS moulding and extrusion materials are listed. The properties have been selected from the general test methods in ISO 10350-1. Other test methods in wide use for, or of particular significance to, these moulding and extrusion materials are also included in this document, as are the designatory properties specified in ISO 19065-1.

In order to obtain reproducible and comparable test results, it is intended to use the methods of specimen preparation and conditioning, the specimen dimensions and the test procedures specified in this document. Values determined will not necessarily be identical to those obtained using specimens of different dimensions or prepared using different procedures.

SIST EN ISO 846:2019 SIST EN ISO 846:1999
2019-06 (po) (en;fr;de) 36 str. (H)
Polimerni materiali - Vrednotenje delovanja mikroorganizmov (ISO 846:2019)
Plastics - Evaluation of the action of microorganisms (ISO 846:2019)
Osnova: EN ISO 846:2019
ICS: 07.100.99, 83.080.01

This document specifies methods for determining the deterioration of plastics due to the action of fungi and bacteria and soil microorganisms. The aim is not to determine the biodegradability of plastics or the deterioration of natural fibre composites.
The type and extent of deterioration can be determined by
a) visual examination and/or
b) changes in mass and/or
c) changes in other physical properties.
The tests are applicable to all plastics that have an even surface and that can thus be easily cleaned. The exceptions are porous materials, such as plastic foams.
This document uses the same test fungi as IEC 60068-2-10. The IEC method, which uses so-called "assembled specimens", calls for inoculation of the specimens with a spore suspension, incubation of the inoculated specimens and assessment of the fungal growth as well as any physical attack on the specimens.
The volume of testing and the test strains used depend on the application envisaged for the plastic.

SIST/TC ISEL Strojni elementi

SIST EN ISO 25178-600:2019
2019-06 (po) (en;fr;de) 29 str. (G)
Specifikacija geometrijskih veličin izdelka (GPS) - Tekstura površine: ravna - 600. del: Meroslovne lastnosti topografskih metod za merjenje ravnih površin (ISO 25178-600:2019)
Geometrical product specifications (GPS) - Surface texture: Areal - Part 600: Metrological characteristics for areal-topography measuring methods (ISO 25178-600:2019)
Osnova: EN ISO 25178-600:2019
ICS: 17.040.40, 17.040.20

This document specifies the metrological characteristics of areal instruments for measuring surface topography. Because surface profiles can be extracted from surface topography images, most of the terms defined in this document can also be applied to profiling measurements.

SIST EN ISO 25178-607:2019
2019-06 (po) (en;fr;de) 29 str. (G)
Specifikacija geometrijskih veličin izdelka (GPS) - Tekstura površine: ravna - 607. del: Imenske značilnosti nekontaktnih instrumentov (konfokalna mikroskopija) (ISO 25178-607:2018)
Geometrical product specifications (GPS) - Surface texture: Areal - Part 607: Nominal characteristics of non-contact (confocal microscopy) instruments (ISO 25178-607:2018)
Osnova: EN ISO 25178-607:2019
ICS: 17.040.40, 17.040.20

This document describes the influence quantities and instrument characteristics of confocal microscopy systems for areal measurement of surface topography. Because surface profiles can be extracted from surface topography images, the methods described in this document can be applied to profiling measurements as well.

SIST/TC ISS EIT.NZG Naprave za gospodinjstvo

SIST EN 60730-1:2016/A1:2019
2019-06 (po) (en) 17 str. (E)
Avtomatske električne krmilne naprave - 1. del: Splošne zahteve
Automatic electrical controls - Part 1: General requirements
Osnova: EN 60730-1:2016/A1:2019
ICS: 97.120

Dopolnilo A1:2019 je dodatek k standardu SIST EN 60730-1:2016.
Ta del standarda IEC 60730 se na splošno uporablja za avtomatske električne krmilne naprave, ki se uporabljajo v opremi za gospodinjstvo in podobno uporabo, na njej ali v povezavi z njo. Za opremo se lahko samostojno ali v kombinaciji uporabljajo elektrika, plin, nafta, trdno gorivo, sončna toplotna energija itd.
OPOMBA 1: Beseda »oprema« v tem standardu vključuje »naprave in opremo«.
PRIMER 1: Krmiljenje naprav v okviru standarda IEC 60335.
Ta mednarodni standard se uporablja za krmiljenje sistemov za avtomatizacijo stavb v okviru standarda ISO 16484.
Ta standard se uporablja tudi za avtomatske električne krmilne naprave za opremo za javno uporabo, kot je oprema, namenjena za uporabo v trgovinah, pisarnah, bolnišnicah, na kmetijah ter za komercialno in industrijsko uporabo.
PRIMER 2: Krmiljenje komercialne opreme za pripravo in dostavo hrane, ogrevanje in klimatizacijo. Ta standard se uporablja tudi za posamezne naprave, ki se uporabljajo kot del krmilnega sistema, ali naprave, ki so mehansko integrirane v večfunkcijske krmilne naprave brez električnih izhodov.
PRIMER 3: Dodatno nameščeni ventili za vodo, krmilne naprave v sistemih pametnega omrežja in krmiljenje sistemov za avtomatizacijo stavb v okviru standarda ISO 16484-2.
Ta standard se uporablja tudi za releje, kadar se uporabljajo za krmiljenje naprav iz standarda IEC 60335. Dodatne zahteve za varnost in delovne vrednosti relejev, kadar se uporabljajo za krmiljenje naprav iz standarda IEC 60335, so podane v dodatku U.
OPOMBA 2: Te zahteve so navedene v standardu IEC 61810-1.
OPOMBA 3: Ta standard je namenjen za uporabo pri preizkušanju katerega koli samostojnega releja, ki se uporablja za krmiljenje naprave v skladu s standardom IEC 60335-1. Ni namenjen uporabi za kateri koli drug samostojni rele ali kot zamenjava skupine standardov IEC 61810.
Ta standard se ne uporablja za avtomatske električne krmilne naprave, namenjene izključno za industrijsko uporabo, razen če ni to izrecno navedeno v ustreznem 2. delu ali standardu za opremo.

SIST EN 60730-2-15:2019 SIST EN 60730-2-15:2010
2019-06 (po) (en) 33 str. (H)
Avtomatske električne krmilne naprave - 2-15. del: Posebne zahteve za avtomatska električna tipala, ki zaznavajo pretok zraka, pretok vode in vodni nivo
Automatic electrical controls - Part 2-15: Particular requirements for automatic electrical air flow, water flow and water level sensing controls
Osnova: EN IEC 60730-2-15:2019
ICS: 97.120

This part of IEC 60730 applies to automatic electrical air flow, water flow and water level sensing controls for use in, or in association with, boilers with a maximum pressure rating of 2 000 kPA (20 bar) and equipment for general household and similar use including controls for heating, air-conditioning and similar applications.

NOTE Examples are water flow and water level sensing controls of the float or electrode-sensor type used in boiler applications and air flow, water flow and water level sensing controls for swimming pool pumps, water tank pumps, cooling towers, dishwashers, washing machines, air conditioning chillers and ventilation applications.
This document also applies to automatic electrical air flow, water flow and water level sensing controls for equipment that may be used by the public, such as equipment intended to be used in shops, offices, hospitals, farms and commercial and industrial applications.

SIST EN 60730-2-5:2015/A1:2019
2019-06 (po) (en) 24 str. (F)
Avtomatske električne krmilne naprave - 2-5. del: Posebne zahteve za avtomatske električne krmilne sisteme gorilnikov
Automatic electrical controls - Part 2-5: Particular requirements for automatic electrical burner control systems
Osnova: EN 60730-2-5:2015/A1:2019
ICS: 97.120

Dopolnilo A1:2019 je dodatek k standardu SIST EN 60730-2-5:2015.
This part of IEC 60730 applies to automatic electrical burner control systems for the automatic control of burners for oil, gas, coal or other combustibles for household and similar use including heating, air conditioning and similar use.
This part 2-5 is applicable to a complete burner control system and to a separate programming unit. This part 2-5 is also applicable to a separate electronic high-voltage ignition source and to a separate flame detector.
NOTE Separate ignition devices (electrodes, pilot burners, etc.) are not covered by this part 2-5 unless they are submitted as part of a burner control system. Requirements for separate ignition transformers are contained in IEC 60989.
Throughout this part 2-5, where it can be used unambiguously, the word "system" means "burner control system" and "systems" means "burner control systems".
Systems utilizing thermoelectric flame supervision are not covered by this part 2-5.

SIST EN 60730-2-9:2019/A1:2019
2019-06 (po) (en) 18 str. (E)
Avtomatske električne krmilne naprave - 2-9. del: Posebne zahteve za temperaturne regulatorje - Dopolnilo A1
Automatic electrical controls - Part 2-9: Particular requirements for temperature sensing controls
Osnova: EN IEC 60730-2-9:2019/A1:2019
ICS: 97.120

Dopolnilo A1:2019 je dodatek k standardu SIST EN 60730-2-9:2019.
Ta standard se uporablja za avtomatske temperaturne regulatorje, ki se uporabljajo v opremi, na njej ali v povezavi z njo, kar vključuje električne krmilne naprave za ogrevanje, klimatske naprave in podobne naprave. Za opremo se lahko samostojno ali v kombinaciji uporabljajo elektrika, plin, nafta, trdno gorivo, sončna toplotna energija itd. Ta standard se uporablja za avtomatske električne temperaturne regulatorje, ki so del sistema za avtomatizacijo in nadzor stavb na področju uporabe standarda ISO 16484. Ta standard se uporablja tudi za avtomatske električne temperaturne regulatorje za opremo za javno uporabo, kot je oprema, namenjena za uporabo v trgovinah, pisarnah, bolnišnicah, na kmetijah ter za komercialno in industrijsko uporabo. Ta standard se ne uporablja za avtomatske električne temperaturne regulatorje, namenjene izključno za industrijsko uporabo, razen če ni to izrecno navedeno v ustreznem standardu za opremo.

SIST/TC ITC Informacijska tehnologija

SIST EN ISO 11073-10425:2019 SIST EN ISO 11073-10425:2017
2019-06 (po) (en;fr;de) 86 str. (M)
Zdravstvena informatika - Komunikacija osebnih medicinskih naprav - 10425. del: Specialne naprave - Stalno spremljanje ravni glukoze (ISO/IEEE 11073-10425:2019)
Health informatics - Personal health device communication - Part 10425: Device specialization - Continuous glucose monitor (CGM) (ISO/IEEE 11073-10425:2019)
Osnova: EN ISO 11073-10425:2019
ICS: 11.040.55, 35.240.80

This standard establishes a normative definition of communication between personal health continuous glucose monitor (CGM) devices (agents) and managers (e.g., cell phones, personal computers, personal health appliances, set top boxes) in a manner that enables plug-and-play interoperability. It leverages work done in other ISO/IEEE 11073 standards including existing terminology, information profiles, 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 of CGM devices. In this context, CGM refers to the measurement of the level of glucose in the body on a regular (typically 5 minute) basis through a sensor continuously attached to the person.

SIST EN ISO 24534-4:2010/A1:2019
2019-06 (po) (en;fr;de) 18 str. (E)
Avtomatična identifikacija vozil in opreme - Elektronska identifikacija registracije (ERI) za vozila - 4. del: Varne komunikacije, pri katerih se uporabljajo asimetrične tehnike - Dopolnilo 1 (ISO 24534-4:2010/Amd 1:2019)
Automatic vehicle and equipment identification - Electronic registration identification (ERI) for vehicles - Part 4: Secure communications using asymmetrical techniques - Amendment 1 (ISO 24534-4:2010/Amd 1:2019)
Osnova: EN ISO 24534-4:2010/A1:2019
ICS: 03.220.20, 35.240.60

Dopolnilo A1:2019 je dodatek k standardu SIST EN ISO 24534-4:2010.
Ta del ISO 24534 zagotavlja zahteve za elektronsko identifikacijo registracije (ERI), ki so osnovane na označbi, določeni za vozilo (npr. za prepoznavo s strani državnih organov), ki je primerna za uporabo pri: - elektronski identifikaciji lokalnih in tujih vozil z strani državnih organov; - proizvodnji vozil, vzdrževanju med delovanjem in identifikacijo ob koncu (upravljanju življenjskega cikla vozila); - prilagoditvi podatkov o vozilu (npr. za mednarodne izdaje); - namenih, povezanih z varnostjo; - zmanjševanju kriminala; - gospodarskih storitvah. Drži se predpisov o zasebnosti in zaščiti podatkov. Ta del ISO 24534 določa vmesnike za varno izmenjavo podatkov med ERT in ERI čitalnikom ali ERI pisalnikom, znotraj ali zunaj vozila, z uporabo asimetričnih šifrirnih tehnik. – upravljanje; - prilagoditev podatkov vozila (npr. za mednarodne izdaje); - nameni, povezani z varnostjo; - zmanjševanje kriminala; - gospodarske storitve. Ta del ISO 24534 vključuje: - povezavo za namensko raven med ERT in ERI čitalnikom ali pisalnikom v vozilu; - povezava za namensko raven med ERI opremo v vozilu in zunanjimi ERI čitalniki in pisalniki; - vprašanja zaščite, povezana s komunikacijo z ERT.

SIST-TS CEN/TS 17241:2019
2019-06 (po) (en;fr;de) 67 str. (K)
Inteligentni transportni sistemi - Sistemi upravljanja prometa - Zahteve glede stanja, napak in kakovos
Intelligent transport systems - Traffic management systems - Status, fault and quality requirements
Osnova: CEN/TS 17241:2019
ICS: 35.240.60

This document:
- illustrates quality and performance criteria, and approaches to their evaluation, for the operation of traffic management systems, including factors affecting the effective integration of field and centre systems and services, and
- specifies a data model for system status and faults of components of traffic management systems.
This document provides supporting information in a use case for the use of the quality and performance criteria, considering design, procurement, and performance management.

SIST-TS CEN/TS 17312:2019
2019-06 (po) (en;fr;de) 20 str. (E)
Inteligentni transportni sistemi - e-Varnost - e-Klic prek satelita
Intelligent transport systems - eSafety - eCall via satellite
Osnova: CEN/TS 17312:2019
ICS: 35.240.60

In respect of 112-eCall (operating requirements defined in EN 16072), this document defines specifications for the provision of eCall via satellite communications networks (Satellite-IMS-112-eCall and Satellite-TPS-eCall).
As with the existing provisions for eCall for Classes M1/N1 vehicles, these are specified within the paradigm of OEM fit equipment at the point of manufacture.
This document includes only the requirements for the provision of Satellite IMS-112-eCall using satellite telecommunications and Satellite-TPS-eCall.
NOTE The 112-eCall paradigm involves a direct call from the vehicle to the most appropriate PSAP. (Third party service provision by comparison, involves the support of an intermediary third party service provider (TPSP) before the call is forwarded to the PSAP.)

SIST-TS CEN/TS 17313:2019
2019-06 (po) (en;fr;de) 24 str. (F)
Inteligentni transportni sistemi - e-Varnost - Medobratovalnost in možnost izbire uporabnika med storitvijo e-Klic in storitvijo e-Klic tretjih oseb
Intelligent transport systems - ESafety - Interoperability and user choice in eCall aftermarket and third party eCall services
Osnova: CEN/TS 17313:2019
ICS: 35.240.60

This document provides a description for voluntarily consenting vendors (subsequently referred to as 'participating service providers'), who wish to provide TPS-eCall service in an open market environment, where users can select and change the service provider. It focusses on the use case 'TPS-eCall service', as standardized in EN 16102, only (and for clarification, does not apply in respect of 112-eCall, where no TPS provider is involved.)
The document determines the preconditions, requirements and functional means needed in order that users of a TPS-eCall service can choose and change her/his preferred service provider (TPSP) out of a range of available TPSPs, who are participating in the open market provisions determined in this specification.
Outside the scope of this document are:
a) any commercial considerations (e.g. whether the service is offered for free or a charged service or part of a commercial service package offer),
b) any contractual considerations (e.g. how a service contract between an user and a TPSP is established),
c) any IT-security related issues in conjunction with the TPS in-vehicle system,
d) any considerations regarding communication costs (for voice and data) related to the TPS-eCall service
e) any PSAP related considerations (towards the PSAPs there is no impact related to provider change, since any TPSP needs to negotiate acceptance of its service offering with the PSAPs in the countries where the service is provided, before such service can be provided).

SIST-TS CEN/TS 419221-6:2019
2019-06 (po) (en;fr;de) 9 str. (C)
Pogoji za uporabo EN 419221-5 kot sredstva za ustvarjanje kvalificiranega elektronskega podpisa ali pečata
Conditions for use of EN 419221-5 as a qualified electronic signature or seal creation device
Osnova: CEN/TS 419221-6:2019
ICS: 35.040.01

This document specifies conditions for use of an EN 419221-5 certified device in the case the signatory or seal creator has direct local control of the cryptographic module with the aim of being recognised as a qualified seal and/or signature creation device as defined in Regulation EU 910/2014 [1].
This document is aimed at use by entities other than trust service providers. Trust service providers can use EN 419221-5 directly without the need to take into account specific conditions as specified in the present document.

SIST/TC ITEK Tekstil in tekstilni izdelki

SIST EN 16511:2014+A1:2019 SIST EN 16511:2014
SIST EN 16511:2014/oprA1:2018
2019-06 (po) (en;fr;de) 11 str. (C)
Prosto položene plošče - Večslojne poltoge talne obloge plošč z zgornjim delom, odpornim proti obrabi
Loose-laid panels - Semi-rigid multilayer modular floor covering (MMF) panels with wear resistant top layer
Osnova: EN 16511:2014+A1:2019
ICS: 97.150

This European Standard specifies the characteristics of semi-rigid multilayer modular floor covering with a wear-resistant and decorative surface layer supplied in panels (either tile or plank form). The floor panels are considered suitable for domestic and commercial levels of use and designed for floating installation.
This European Standard does not apply to resilient floor panels for loose-laying according to EN 14085, to multilayer wood floorings according to EN 13489, nor to products specified in EN ISO 10581, EN ISO 10582, EN ISO 24011, EN 12104 and ISO 14486.
This European Standard applies to areas which are subject to frequent wetting, e.g. bathrooms, laundry rooms or saunas, only if recommended by the producer.
This European Standard also includes requirements for marking and packaging.

SIST EN ISO 10320:2019 SIST EN ISO 10320:1999
2019-06 (po) (en;fr;de) 10 str. (C)
Geosintetika - Ugotavljanje na kraju uporabe (ISO 10320:2019)
Geosynthetics - Identification on site (ISO 10320:2019)
Osnova: EN ISO 10320:2019
ICS: 59.080.70

This document specifies the information accompanying geosynthetics to enable the user on site to identify the goods as being identical to the goods ordered. The positive identification, e.g. of unwrapped or rolled-out geosynthetics, is an important aim of this document.
The information specified does not replace a technical data sheet and cannot be used to verify the conformance of the product with the technical requirements.

SIST EN ISO 1833-20:2019 SIST EN ISO 1833-20:2013

2019-06 (po) (en;fr;de) 10 str. (C)

Tekstilije - Kvantitativna kemična analiza - 20. del: Mešanica elastanovih in nekaterih drugih vlaken (metoda z uporabo dimetilacetamida) (ISO 1833-20:2018)

Textiles - Quantitative chemical analysis - Part 20: Mixtures of elastane with certain other fibres (method using dimethylacetamide) (ISO 1833-20:2018)

Osnova: EN ISO 1833-20:2019

ICS: 59.060.20

This document specifies a method using dimethylacetamide to determine the mass percentage of elastane, after removal of non-fibrous matter, in textiles made of mixtures of:

— certain elastane fibres with

— cotton, viscose, cupro, modal, lyocell, polyamide, polyester or wool fibres.

This method is not applicable when acrylic fibres are present.

It is also possible to analyse mixtures containing certain elastane fibres by using the test methods described in ISO 1833-12 or ISO 1833-21.

SIST EN ISO 1833-6:2019 SIST EN ISO 1833-6:2011

2019-06 (po) (en;fr;de) 10 str. (C)

Tekstilije - Kvantitativna kemična analiza - 6. del: Mešanica viskoznih ali nekaterih vrst bakro ali modal ali liocel vlaken in bombažnih vlaken (metoda z uporabo mravljične kisline in cinkovega klorida) (ISO 1833-6:2018)

Textiles - Quantitative chemical analysis - Part 6: Mixtures of viscose, certain types of cupro, modal or lyocell with certain other fibres (method using formic acid and zinc chloride) (ISO 1833-6:2018)

Osnova: EN ISO 1833-6:2019

ICS: 59.060.01

This document specifies a method, using a mixture of formic acid and zinc chloride, to determine the mass percentage of viscose, certain types of cupro, modal or lyocell, after removal of nonfibrous matter, in textiles made of mixtures of

— viscose, certain types of cupro, modal or lyocell, with

— cotton.

This document has been initially specifically established for mixtures of viscose, certain types of cupro, modal or lyocell with cotton, it is also applicable to mixtures with polypropylene, elastolefin and melamine.

IMPORTANT — If a cupro or modal or lyocell fibre is found to be present, a preliminary test is carried out to see whether it is soluble in the reagent.

The method is not applicable to mixtures in which the cotton has suffered extensive chemical degradation. It is not applicable when the viscose, cupro, modal or lyocell fibre is rendered incompletely soluble by the presence of certain permanent finishes or reactive dyes that cannot be removed completely.

SIST EN ISO 9092:2019 SIST EN ISO 9092:2011

2019-06 (po) (en;fr;de) 10 str. (C)

Vlaknovine - Slovar (ISO 9092:2019)

Nonwovens - Vocabulary (ISO 9092:2019)

Osnova: EN ISO 9092:2019

ICS: 59.080.30, 01.040.59

This document establishes a definition for the term nonwovens and provides auxiliary terminology to distinguish nonwovens from other materials.

SIST-TP CEN/TR 17222:2019
2019-06 (po) (en) 14 str. (D)
Tekstilni izdelki in nanotehnologije - Napotki za preskuse simulacije sproščanja nanodelcev - Izpostavljenost kože
Textile products and nanotechnologies - Guidance on tests to simulate nanoparticle release - Skin exposure
Osnova: CEN/TR 17222:2019
ICS: 59.080.01, 07.120

The effects of synthetic nanoparticles on human health and the environment are still poorly understood and therefore uncertain. In particular, it is unclear in which areas nanoparticles-dose caused negative effects in the organism or in the environment (unknown dose-response relationship). The underlying toxicological mechanisms and possible effects of nanoparticle exposure over long periods of time are poorly understood.
In product advertisements on the Internet and in reports in international journals, especially the functional properties of "nanotextiles" are described. The type of integration of the nanoparticles in textiles is often described only sparsely. Therefore, the present document is based primarily on research studies that include information on the integration of the nanoparticles in the textile material.
The purpose of the present document is to give some guidance on tests to nanoparticle release. The determination of the release of nanoparticles could be performed either through quantification by chemical analysis (5.1), or by determining the linting (5.2), for example

SIST/TC IUSN Usnje

SIST EN ISO 17072-1:2019 SIST EN ISO 17072-1:2011
2019-06 (po) (en;fr;de) 15 str. (D)
Usnje - Kemijsko določevanje kovin - 1. del: Izločljive kovine (ISO 17072-1:2019)
Leather - Chemical determination of metal content - Part 1: Extractable metals (ISO 17072-1:2019)
Osnova: EN ISO 17072-1:2019
ICS: 59.140.30

This document specifies a method for the determination of extractable metals in leather using extraction with an acid artificial-perspiration solution and subsequent determination with inductively coupled plasma optical emission spectrometry (ICP-OES), inductively coupled plasma mass spectrometry (ICPMS),
atomic absorption spectrometry (AAS) or spectrometry of atomic fluorescence (SFA).
This method determines extractable metals in leather; it is not compound-specific or specific to the oxidation state of the metals. This method is especially suitable for determining the extractable chromium in chromium-tanned leathers.

SIST EN ISO 17072-2:2019 SIST EN ISO 17072-2:2011
2019-06 (po) (en;fr;de) 15 str. (D)
Usnje - Kemijsko določevanje kovin - 2. del: Celotni delež kovin (ISO 17072-2:2019)
Leather - Chemical determination of metal content - Part 2: Total metal content (ISO 17072-2:2019)
Osnova: EN ISO 17072-2:2019
ICS: 59.140.30

This document specifies a method for the determination of the total metal content in leather using digestion of the leather and subsequent determination with inductively coupled plasma optical emission spectrometry (ICP-OES), inductively coupled plasma mass spectrometry (ICP-MS), atomic absorption spectrometry (AAS) or spectrometry of atomic fluorescence (SFA).
This method determines the total metal content in leather; it is not compound-specific or specific to the oxidation state of the metals.

The method is applicable for determining the following metals:
Aluminium (Al) Copper (Cu) Potassium (K) Antimony (Sb) Iron (Fe) Selenium (Se) Arsenic (As) Lead (Pb) Silicon (Si) Barium (Ba) Magnesium (Mg) Sodium (Na) Cadmium (Cd) Manganese (Mn) Tin (Sn) Calcium (Ca) Mercury (Hg) Titanium (Ti) Chromium (Cr) (except chromium-tanned leathers) Molybdenum (Mo) Zinc (Zn) Cobalt (Co) Nickel (Ni) Zirconium (Zr)
This method is also suitable for determining Boron (B) in leather.
In the case of chromium-tanned leathers, it is often more relevant to use ISO 5398-1[1], ISO 5398-2[2], ISO 5398-3[3] or ISO 5398-4 [4].
Interlaboratory test results and the quantification limits possible with ICP-OES are given in Table A.1 and Table A.2 of Annex A.

SIST EN ISO 22700:2019
2019-06 (po) (en;fr;de) 19 str. (E)
Usnje - Merjenje barve in barvne razlike končno obdelanega usnja (ISO 22700:2019)
Leather - Measuring the colour and colour difference of finished leather (ISO 22700:2019)
Osnova: EN ISO 22700:2019
ICS: 59.140.30

This document is a reference document to support the correct measurement of the colour of finished leather by instrumental means. The document describes general concepts of colour measurement adapted to leather and the calculation of differences in colour. This document defines the following:
a) the use of D65 as the standard light source for the leather industry.
b) the use of D65 light source 10ş as standard conditions for colour matching, for the definition of daylight simulators, and as the reference light source for metamerics analysis.
c) the use of CIE DE2000 as the colour difference formula

SIST EN ISO 26082-1:2019 SIST EN ISO 26082-1:2012
2019-06 (po) (en;fr;de) 15 str. (D)
Usnje - Fizikalno in mehansko preskušanje za ugotavljanje madežev - 1. del: Metoda (Martindale) z brisanjem usnja (ISO 26082-1:2019)
Leather - Physical and mechanical test methods for the determination of soiling - Part 1: Rubbing (Martindale) method (ISO 26082-1:2019)
Osnova: EN ISO 26082-1:2019
ICS: 59.140.30

This document is a reference document to support the correct measurement of the colour of finished leather by instrumental means. The document describes general concepts of colour measurement adapted to leather and the calculation of differences in colour. This document defines the following:
a) the use of D65 as the standard light source for the leather industry.
b) the use of D65 light source 10ş as standard conditions for colour matching, for the definition of daylight simulators, and as the reference light source for metamerics analysis.
c) the use of CIE DE2000 as the colour difference formula

SIST/TC IZL Izolatorji

SIST EN 50673:2019
2019-06 (po) (en;fr;de) 14 str. (D)
Vtični skoznjiki za napetosti 72,5 kV s 630 A in 1250 A za električno opremo
Plug-in type bushings for 72,5 kV with 630 A and 1 250 A for electrical equipment
Osnova: EN 50673:2019
ICS: 29.080.20

This document is applicable to plug-in type bushings, according to EN 60137, 72,5 kV, rated currents from 630 A up to 1 250 A and frequencies from 15 Hz up to 60 Hz for single or three-phase arrangements in electrical equipment like liquid filled transformers or gas insulated switchgear and controlgear. It complements and amends, if necessary, the relevant EN standards.
The application of such plug-in type bushings is derived from EN 50180 and EN 50181 but applied for higher voltages with described deviations to EN 50299-2 and EN 62271-209.
This standard does not cover the connection assembly as described in EN 50299-2 and EN 62271-209. EN 60137 and HD 632 series outline the qualification, type test, routine and sample test of plug-in type bushings according to this standard.
This document establishes essential dimensions and testing procedures, to ensure adequate mounting and interchangeability of mating plug-in separable connectors of equivalent ratings.

SIST EN IEC/IEEE 65700:2018/AC:2019
2019-06 (po) (en;fr;de) 1 str. (AC)
Skoznjiki za enosmerne aplikacije
Bushings for DC application
Osnova: EN IEC/IEEE 65700-19-03:2018/AC:2019-03
ICS: 29.080.20

Popravek k standardu SIST EN IEC/IEEE 65700:2018.

SIST/TC IŽNP Železniške naprave

SIST EN 13674-4:2019 SIST EN 13674-4:2006+A1:2010
2019-06 (po) (en;fr;de) 67 str. (K)
Železniške naprave - Zgornji ustroj proge - Tirnice - 4. del: Vignolove tirnice z maso v razponu od 27 kg/m do 46 kg/m
Railway applications - Track - Rail - Part 4: Vignole railway rails from 27 kg/m to, but excluding 46 kg/m
Osnova: EN 13674-4:2019
ICS: 45.080

This European Standard specifies flat bottom Vignole railway rails from 27 kg/m to, but excluding 46 kg/m. Seven pearlitic steel grades are specified covering a rail hardness range of 200 HBW to 410 HBW and include non-heat-treated non-alloy steels, non-heat-treated alloy steels, heat-treated non-alloy steels and heat treated alloy steels.
There are 15 rail profiles specified in this European Standard, but these may not be available in all steel grades.

SIST EN 13848-1:2019 SIST EN 13848-1:2004+A1:2008
2019-06 (po) (en;fr;de) 50 str. (I)
Železniške naprave - Zgornji ustroj proge - Kakovost tirne geometrije - 1. del: Karakteristike tirne geometrije
Railway applications - Track - Track geometry quality - Part 1: Characterisation of track geometry
Osnova: EN 13848-1:2019
ICS: 45.080, 93.100

This European Standard gives definitions for the principal track geometry parameters and specifies minimum requirements for measurement, the analysis methods and the presentation of results. The aim is to allow the comparability of the output of different measuring systems.

SIST EN 15654-2:2019
2019-06 (po) (en;fr;de) 62 str. (K)
Železniške naprave - Meritve vertikalnih kolesnih in osnih obremenitev - 2. del: Preskus v delavnici za nova, spremenjena in vzdrževana vozila
Railway applications - Measurement of vertical forces on wheels and wheelsets - Part 2: Test in workshop for new, modified and maintained vehicles
Osnova: EN 15654-2:2019
ICS: 45.060.01

This European Standard applies to the measurement of vertical wheel forces of railway vehicles in maintenance workshops and at manufacturing sites. It also deals with derived quantities that are used to describe the vehicle's vertical wheel force distribution.
The standard defines the assessment and acceptance criteria for the measurement process. The requirements for this assessment support the specification, the design and the operation of the measurement process. It is considered that the measurements are made either statically or quasi-statically. This standard is applicable to all railway vehicles.
The commercial weighing of vehicles is not covered by the scope of this standard, nor does it define in which cases the wheel forces of a vehicle will be measured.

SIST EN 17069-1:2019
2019-06 (po) (en;fr;de) 37 str. (H)
Železniške naprave - Sistemi in postopki za spremembo tirne širine - 1. del: Sistemi za samodejno spreminjanje širine
Railway applications - Systems and procedures for change of track gauge - Part 1: Automatic Variable Gauge Systems
Osnova: EN 17069-1:2019
ICS: 45.040

This European Standard defines the interfaces and gives guidance for the design of systems and procedures for change of track gauge, covering also their assessment for technical approval, for the automatic variable-gauge systems.
The standard is focused on the change of track gauge among the following nominal track gauges: 1435 mm, 1520 mm, 1524 mm, 1600 mm and 1668 mm.
This document is not limited to the aforementioned nominal track gauges but the interfaces to change to/from other nominal track gauges can be different. The established assessment procedures can be used as well.

SIST/TC KAV Kakovost vode

SIST EN ISO 12010:2019 SIST EN ISO 12010:2014
2019-06 (po) (en;fr;de) 50 str. (I)
Kakovost vode - Določevanje polikloriranih alkanov s kratko verigo (SCCP) v vodi - Metoda s plinsko kromatografijo z masno selektivnim detektorjem (GC-MS) in negativno kemijsko ionizacijo (NCI) (ISO 12010:2019)
Water quality - Determination of short-chain polychlorinated alkanes (SCCP) in water - Method using gas chromatography-mass spectrometry (GC-MS) and negative-ion chemical ionization (NCI) (ISO 12010:2019)
Osnova: EN ISO 12010:2019
ICS: 71.040.50, 13.060.50

This document specifies a method for the quantitative determination of the sum of short-chain polychlorinated n-alkanes also known as short-chain polychlorinated paraffins (SCCPs) in the carbon bond range n-C10 to n-C13 inclusive, in mixtures with chlorine mass fractions ("contents") between 50 % and 67 %, including approximately 6 000 of approximately 8 000 congeners.

This method is applicable to the determination of the sum of SCCPs in unfiltered surface water, ground water, drinking water and waste water using gas chromatography-mass spectrometry with electron capture negative ionization (GC-ECNI-MS).
Depending on the capability of the GC-ECNI-MS instrument, the concentration range of the method is from 0,1 μg/l or lower to 10 μg/l. Depending on the waste water matrix, the lowest detectable concentration is estimated to be > 0,1 μg/l. The data of the interlaboratory trial concerning this method are given in Annex I.

SIST/TC MOC Mobilne komunikacije

SIST EN 301 489-12 V3.1.1:2019
2019-06 (po) (en) 24 str. (F)
Elektromagnetna združljivost in zadeve v zvezi z radijskim spektrom (ERM) - Standard elektromagnetne združljivosti (EMC) za radijsko opremo in storitve - 12. del: Posebni pogoji za satelitske terminale z zelo majhno antensko odprtino, interaktivne satelitske zemeljske postaje, ki delujejo v frekvenčnih pasovih 4 GHz in 30 GHz fiksnih satelitskih storitev (FSS) - Harmonizirani standard za elektromagnetno združljivost
Electromagnetic compatibility and Radio spectrum Matters (ERM) - ElectroMagnetic Compatibility (EMC) standard for radio equipment and services - Part 12: Specific conditions for Very Small Aperture Terminal, Satellite Interactive Earth Stations operated in the frequency ranges between 4 GHz and 30 GHz in the Fixed Satellite Service (FSS) - Harmonised Standard for electromagnetic compatibility
Osnova: ETSI EN 301 489-12 V3.1.1 (2019-04)
ICS: 33.100.01, 33.060.30

The present document, together with ETSI EN 301 489-1 [1], covers the assessment of Earth Stations (ES) operated in the frequency ranges between 4 GHz and 30 GHz in the Fixed Satellite Service (FSS) and associated ancillary equipment in respect of Electromagnetic Compatibility (EMC).
Technical specifications related to the antenna port and emissions from the enclosure port of the Earth Stations (ES) are not included in the present document. Such technical specifications are found in the relevant product standards for the effective use of the radio spectrum.
The present document specifies the applicable test conditions, performance assessment and the performance criteria for the ESs, and associated ancillary equipment.
Definitions of the type of Earth Stations (ES) operated in the frequency ranges between 4 GHz and 30 GHz in the Fixed Satellite Service (FSS) covered by the present document are given in annex B.
In case of differences (for instance concerning special conditions, definitions, abbreviations) between the present document and ETSI EN 301 489-1 [1], the provisions of the present document take precedence.
The environmental classification and the emission and immunity requirements used in the present document are as stated in ETSI EN 301 489-1 [1], except for any special conditions included in the present document. The applicable environments referred to in ETSI EN 301 489-1 [1] where equipment covered by the scope of the present document may be used, should be declared by the manufacturer.
NOTE: The relationship between the present document and essential requirements of article 3.1(b) of Directive 2014/53/EU [i.5] is given in annex A.

SIST EN 301 489-15 V2.2.1:2019
2019-06 (po) (en) 22 str. (F)
Standard elektromagnetne združljivosti (EMC) za radijsko opremo in storitve - 15. del: Posebni pogoji za komercialno dostopno amatersko radijsko opremo - Harmonizirani standard, ki zajema bistvene zahteve člena 3.1(b) direktive 2014/53/EU
ElectroMagnetic Compatibility (EMC) standard for radio equipment and services - Part 15: Specific conditions for commercially available amateur radio equipment - Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU
Osnova: ETSI EN 301 489-15 V2.2.1 (2019-04)
ICS: 33.100.01, 33.060.20

The present document, together with ETSI EN 301 489-1 [1], covers the assessment of commercially available amateur radio equipment, and associated ancillary equipment, in respect of ElectroMagnetic Compatibility (EMC).
Technical specifications related to the antenna port and emissions from the enclosure port of commercially available amateur radio equipment are not included in the present document. Such technical specifications are found in the relevant product standard ETSI EN 301 783 [i.2] for the effective use of the radio spectrum.
The present document specifies the applicable EMC tests, the methods of measurement, the limits and the performance criteria for radio equipment intended for use by radio amateurs within the meaning of article 1, definition 53 of the Radio Regulations [i.3] and associated ancillary equipment, which is commercially available.
Examples of amateur radio equipment covered by the present document are given in annex B.
The provisions of the present document apply to amateur radio equipment manufactured commercially either as ready-to-use equipment, modules, or components having an intrinsic functionality for the customer.
The expression "amateur radio equipment" in the context of the present document is taken to mean "commercially available amateur radio equipment" only.
In case of differences (for instance concerning special conditions, definitions, abbreviations) between the present document and ETSI EN 301 489-1 [1], the provisions of the present document take precedence.
The environment classification and the emission and immunity requirements used in the present document are as stated in ETSI EN 301 489-1 [1], except for any special conditions included in the present document. The applicable environments referred to in ETSI EN 301 489-1 [1] where equipment covered by the scope of the present document may be used, are to be declared by the manufacturer.

SIST EN 301 489-19 V2.1.1:2019
2019-06 (po) (en) 18 str. (E)
Standard elektromagnetne združljivosti (EMC) za radijsko opremo in storitve - 19. del: Posebni pogoji za sprejemne mobilne zemeljske postaje (ROMES), ki delujejo v pasu 1,5 GHz in zagotavljajo podatkovne komunikacije, ter za sprejemnike GNSS, ki delujejo v pasu RNSS (ROGNSS) in zagotavljajo ugotavljanje položaja, navigacijo in časovne podatke - Harmonizirani standard, ki zajema bistvene zahteve člena 3.1(b) direktive 2014/53/EU
ElectroMagnetic Compatibility (EMC) standard for radio equipment and services - Part 19: Specific conditions for Receive Only Mobile Earth Stations (ROMES) operating in the 1,5 GHz band providing data communications and GNSS receivers operating in the RNSS band (ROGNSS) providing positioning, navigation, and timing data - Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU
Osnova: ETSI EN 301 489-19 V2.1.1 (2019-04)
ICS: 33.100.01, 33.060.01, 33.070.40

The present document, together with ETSI EN 301 489-1 [1], covers the assessment of Receive Only Mobile Earth Stations (ROMES) and GNSS receivers operating in the RNSS band (ROGNSS), as defined in annex B, and associated ancillary equipment in respect of ElectroMagnetic Compatibility (EMC).
Technical specifications related to the antenna port and emissions from the enclosure port of ROMES are not included in the present document. Such technical specifications are found in the relevant product standards for the effective use of the radio spectrum.
The present document specifies the applicable test conditions, performance assessment and performance criteria for ROMES and associated ancillary equipment.
ROMESs can have several configurations, including:
- portable equipment;
- fixed equipment;
- a number of modules including a display/control interface to the user.

The performance criteria used in the present document require that the satellite communications system of which the ROMES is a part provides reliable delivery of data or messages.
In case of differences (for instance concerning special conditions, definitions, abbreviations) between the present document and ETSI EN 301 489-1 [1], the provisions of the present document take precedence.
The environmental classification and the emission and immunity requirements used in the present

document are as stated in ETSI EN 301 489-1 [1], except for any special conditions included in the present document. The applicable environments referred to in ETSI EN 301 489-1 [1] where ROMES and or ROGNSS may be used should be declared by the manufacturer.

SIST EN 301 489-2 V2.1.1:2019
2019-06 (po) (en) 20 str. (E)
Standard elektromagnetne združljivosti (EMC) za radijsko opremo in storitve - 2. del: Posebni pogoji za opremo radijskega osebnega klica - Harmonizirani standard, ki zajema bistvene zahteve člena 3.1(b) direktive 2014/53/EU
ElectroMagnetic Compatibility (EMC) standard for radio equipment and services - Part 2: Specific conditions for radio paging equipment - Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU
Osnova: ETSI EN 301 489-2 V2.1.1 (2019-04)
ICS: 33.100.01, 33.060.20

The present document, together with ETSI EN 301 489-1 [1], specifies technical characteristics and methods of measurements for radio paging equipment (receivers, transmitters and combined equipment) and associated ancillary equipment.
NOTE 1: Examples of paging equipment are given in annex B.
The present document covers the essential requirements of article 3.1(b) of Directive 2014/53/EU [i.1] under the conditions identified in annex A.
Technical specifications related to the antenna ports and emissions from the enclosure ports of paging equipment, are not included in the present document.
NOTE 2: Such technical specifications are found in the relevant product standard for the effective use of the radio spectrum.
In case of differences (for instance concerning special conditions, definitions, abbreviations) between the present document and ETSI EN 301 489-1 [1], the provisions of the present document take precedence.

SIST EN 301 489-20 V2.1.1:2019
2019-06 (po) (en) 20 str. (E)
Standard elektromagnetne združljivosti (EMC) za radijsko opremo in storitve - 20. del: Posebni pogoji za mobilne zemeljske postaje (MES) v okviru mobilnih satelitskih storitev (MSS) - Harmonizirani standard, ki zajema bistvene zahteve člena 3.1(b) direktive 2014/53/EU
ElectroMagnetic Compatibility (EMC) standard for radio equipment and services - Part 20: Specific conditions for Mobile Earth Stations (MES) used in the Mobile Satellite Services (MSS) - Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU
Osnova: ETSI EN 301 489-20 V2.1.1 (2019-04)
ICS: 33.100.01, 33.070.40, 33.060.01

The present document, together with ETSI EN 301 489-1 [1], covers the assessment of Mobile Earth Stations (MES) as defined in annex B used within Satellite radio services, and ancillary equipment in respect of ElectroMagnetic Compatibility (EMC).
Technical specifications related to the antenna port and emissions from the enclosure port of the equipment are not included in the present document. Such technical specifications are found in the relevant product standards for the effective use of the radio spectrum.
The present document specifies the applicable test conditions, performance assessment and performance criteria for MESs and for the associated ancillary equipment.
In case of differences (for instance concerning special conditions, definitions, abbreviations) between the present document and ETSI EN 301 489-1 [1], the provisions of the present document take precedence.
The environmental classification and the emission and immunity requirements used in the present document are as stated in ETSI EN 301 489-1 [1], except for any special conditions included in the present document. The applicable environment(s) referred to in ETSI EN 301 489-1 [1] where the MES may be used, should be declared by the manufacturer.
For a multimode radio station, the present document only applies to the radio station when operated in the Mobile Satellite Service mode.

NOTE: The relationship between the present document and essential requirements of article 3.1(b) of Directive 2014/53/EU [i.1] is given in annex A.

SIST EN 301 489-27 V2.2.1:2019
2019-06 (po) (en) 25 str. (F)
Standard elektromagnetne združljivosti (EMC) za radijsko opremo in storitve - 27. del: Posebni pogoji za aktivne medicinske vsadke z ultra majhno močjo (ULP-AMI) in pripadajoče periferne naprave (ULP-AMI-P), ki delujejo v frekvenčnem pasu od 402 MHz do 405 MHz - Harmonizirani standard, ki zajema bistvene zahteve člena 3.1(b) direktive 2014/53/EU
ElectroMagnetic Compatibility (EMC) standard for radio equipment and services - Part 27: Specific conditions for Ultra Low Power Active Medical Implants (ULP-AMI) and related peripheral devices (ULP-AMI-P) operating in the 402 MHz to 405 MHz bands - Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU
Osnova: ETSI EN 301 489-27 V2.2.1 (2019-04)
ICS: 33.100.01, 33.060.99, 11.040.99

The present document together with ETSI EN 301 489-1 [1], covers the assessment of all radio transceivers associated with Ultra Low Power Active Medical Implants (ULP-AMIs) and associated Peripheral ULP-AMI-Ps) in respect of ElectroMagnetic Compatibility (EMC).
The present document covers the EMC requirements for the radio functions of ULP-AMI and ULP-AMI-P devices.
Technical specifications related to the antenna port and emissions from the enclosure port of the ULP-AMI and ULP-AMI-P devices radio system are not included in the present document. Such technical specifications are found in the relevant product standards for the effective use of the radio spectrum.
The present document specifies the applicable test conditions, performance assessment, and performance criteria for ULP-AMIs and associated Peripheral devices (ULP-AMI-Ps).
Definitions of types of ULP-AMIs and ULP-AMI-Ps covered by present document are given in annex B.
In case of differences (for instance concerning special conditions, definitions, abbreviations) between the present document and ETSI EN 301 489-1 [1], the provisions of the present document take precedence.
The environmental classification and the emission and immunity requirements used in the present document are as stated in ETSI EN 301 489-1 [1], except for any special conditions included in the present document.
The present document, together with ETSI EN 301 489-1 [1], contains requirements to demonstrate an adequate level of electromagnetic compatibility as set out in Directive 2014/53/EU [i.1].

SIST EN 301 489-29 V2.2.1:2019
2019-06 (po) (en) 26 str. (F)
Standard elektromagnetne združljivosti (EMC) za radijsko opremo in storitve - 29. del: Posebni pogoji za naprave za medicinske podatkovne storitve (MEDS), ki delujejo v frekvenčnih pasovih od 401 MHz do 402 MHz in od 405 MHz do 406 MHz - Harmonizirani standard, ki zajema bistvene zahteve člena 3.1(b) direktive 2014/53/EU
ElectroMagnetic Compatibility (EMC) standard for radio equipment and services - Part 29: Specific conditions for Medical Data Service Devices (MEDS) operating in the 401 MHz to 402 MHz and 405 MHz to 406 MHz bands - Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU
Osnova: ETSI EN 301 489-29 V2.2.1 (2019-04)
ICS: 35.240.80, 33.100.01, 33.060.99

The present document together with ETSI EN 301 489-1 [1], covers the assessment of all radio transceivers associated with Ultra Low Power Active Medical Implants (ULP-AMIs), Ultra Low Power Active Medical Devices (ULP-AMDs),
Ultra Low Power Body Worn Devices (ULP-BWDs) and associated Ultra Low Power Active Medical Implant Peripherals (ULP-AMI-Ps), Ultra Low Power Active Medical Device Peripherals (ULP-AMD-Ps) in respect of ElectroMagnetic Compatibility (EMC).
The radio link may be part of life supporting or non-life supporting equipment and can be classified

independently of the classification of the medical portion of the device.
The present document covers the EMC requirements for the radio functions of ultra low power implanted, body worn and associated ultra low power peripheral devices.
Technical specifications related to the antenna port and emissions from the enclosure port of these radio system devices are not included in the present document. Such technical specifications are found in the relevant product standards for the effective use of the radio spectrum.
The present document applies to ULP-AMI, ULP-AMD, ULP-BWD, ULP-AMD-P and ULP-AMI-P devices with RF power levels ranging up to 25 μW ERP and intended for operation in the frequency range 401 MHz to 402 MHz and 405 MHz to 406 MHz in accordance with the provisions of annex 12, band b) and band c), to CEPT/ERC/REC 70-03 [i.3]. Definitions of such ULP-AMI, ULP-AMD, ULP-BWD, ULP-AMD-P and ULP-AMI-P radio devices are found in the following functional radio standard:
• ETSI EN 302 537 [2]: "Ultra Low Power Medical Data Service (MEDS) Systems operating in the frequency range 401 MHz to 402 MHz and 405 MHz to 406 MHz; Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU [i.1]".
In case of differences (for instance concerning special conditions, definitions, abbreviations) between the present document and ETSI EN 301 489-1 [1], the provisions of the present document take precedence.
The environmental classification and the emission and immunity requirements used in the present document are as stated in the ETSI EN 301 489-1 [1], except for any special conditions included in the present document.
The present document, together with ETSI EN 301 489-1 [1], are aimed to cover requirements to demonstrate an adequate level of electromagnetic compatibility.

SIST EN 301 489-3 V2.1.1:2019
2019-06 (po) (en) 19 str. (E)
Standard elektromagnetne združljivosti (EMC) za radijsko opremo in storitve - 3. del: Posebni pogoji za naprave kratkega dosega (SRD), delujoče na frekvencah med 9 kHz in 246 GHz - Harmonizirani standard, ki zajema bistvene zahteve člena 3.1(b) direktive 2014/53/EU
ElectroMagnetic Compatibility (EMC) standard for radio equipment and services - Part 3: Specific conditions for Short-Range Devices (SRD) operating on frequencies between 9 kHz and 246 GHz - Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU
Osnova: ETSI EN 301 489-3 V2.1.1 (2019-03)
ICS: 33.100.01, 33.060.20

The present document, together with ETSI EN 301 489-1 [1], covers the assessment of Short Range Devices (SRD) and ancillary equipment in respect of ElectroMagnetic Compatibility (EMC).
The present document specifies the applicable test conditions, performance assessment, and performance criteria for Short Range Devices (SRD) and the associated ancillary equipment.
In case of differences (for instance concerning special conditions, definitions, abbreviations) between the present document and the ETSI EN 301 489-1 [1], the provisions of the present document take precedence.
The environmental classification and the emission and immunity requirements used in the present document are as stated in the ETSI EN 301 489-1 [1], except for any special conditions included in the present document.
Technical specifications related to the antenna port of radio equipment and radiated emissions from the enclosure port of radio equipment and combinations of radio and associated ancillary equipment are not included in the present document. Such technical specifications are normally found in the relevant product standards for the effective use of the radio spectrum.
The present document, together with ETSI EN 301 489-1 [1], are aimed to cover requirements to demonstrate an adequate level of electromagnetic compatibility.

SIST EN 301 489-31 V2.2.1:2019
2019-06 (po) (en) 24 str. (F)
Standard elektromagnetne združljivosti (EMC) za radijsko opremo in storitve - 31. del: Posebni pogoji za opremo za aktivne medicinske vsadke ultra majhnih moči (ULP-AMI) in pripadajoče periferne naprave (ULP-AMI-P), ki delujejo v frekvenčnem pasu od 9 kHz do 315 kHz - Harmonizirani standard, ki zajema bistvene zahteve člena 3.1(b) direktive 2014/53/EU
ElectroMagnetic Compatibility (EMC) standard for radio equipment and services - Part 31: Specific conditions for equipment in the 9 kHz to 315 kHz band for Ultra Low Power Active Medical Implants (ULP-AMI) and related peripheral devices (ULP-AMI-P) - Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU
Osnova: ETSI EN 301 489-31 V2.2.1 (2019-04)
ICS: 33.100.01, 33.060.20, 11.040.40

The present document together with ETSI EN 301 489-1 [1] covers the assessment of all radio transceivers associated with inductive Ultra Low Power Active Medical Implant (ULP-AMI) transmitters and receivers operating in the range from 9 kHz to 315 kHz and any associated external radio apparatus (ULP-AMI-Ps) transmitting in the frequency range of 9 kHz to 315 kHz including external programmers and patient related telecommunication devices in respect of ElectroMagnetic Compatibility (EMC). Non-radio parts of the above equipment may be covered by other directives and/or standards when applicable.
Technical specifications related to the antenna port and emissions from the enclosure port of the radio systems of these devices are not included in the present document. Such technical specifications are found in the relevant product standards for the effective use of the radio spectrum.
The present document specifies the applicable test conditions, performance assessment, and performance criteria for assessment of the radio communications link for ULP-AMI and ULP-AMI-Ps.
In case of differences (for instance concerning special conditions, definitions, abbreviations) between the present document and ETSI EN 301 489-1 [1], the provisions of the present document take precedence.
The environmental classification and the emission and immunity requirements used in the present document are as stated in the ETSI EN 301 489-1 [1], except for any special conditions included in the present document.
The present document, together with ETSI EN 301 489-1 [1], contains requirements to demonstrate an adequate level of electromagnetic compatibility as set out in Directive 2014/53/EU [i.1].

SIST EN 301 489-33 V2.2.1:2019
2019-06 (po) (en) 25 str. (F)
Standard elektromagnetne združljivosti (EMC) za radijsko opremo in storitve - 33. del: Posebni pogoji za ultra širokopasovne (UWB) naprave - Harmonizirani standard, ki zajema bistvene zahteve člena 3.1(b) direktive 2014/53/EU
ElectroMagnetic Compatibility (EMC) standard for radio equipment and services - Part 33: Specific conditions for Ultra-WideBand (UWB) devices - Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU
Osnova: ETSI EN 301 489-33 V2.2.1 (2019-04)
ICS: 33.100.01, 33.060.20

The present document, together with ETSI EN 301 489-1 [1], specifies technical characteristics and methods of measurements for radio devices based on UWB technology in respect of ElectroMagnetic Compatibility (EMC).
The present document applies to fixed, mobile or portable UWB devices, e.g.:
• stand alone radio equipment with or without its own control provisions;
• plug-in radio devices intended for use with, or within, a variety of host systems, e.g. personal computers, hand-held terminals, etc.;
• plug-in radio devices intended for use within combined equipment, e.g. cable modems, set-top boxes, access points, etc.;
• combined equipment or a combination of a plug-in radio device and a specific type of host equipment;
• equipment for use in road and rail vehicles;
• ground and wall probing radar equipment;
• (tank) level probing radar equipment;

• material sensing devices.
NOTE: If a system includes transponders, these are measured together with the transmitter and examples of Ultra-WideBand equipment are given in the related harmonised standards of article 3.2 of Directive 2014/53/EU [i.1].
Technical specifications related to the antenna port and emissions from the enclosure port of Ultra-WideBand (UWB) equipment are not included in the present document. Such technical specifications are found in the relevant product standards for the effective use of the radio spectrum.
The present document specifies the applicable test conditions, performance assessment and performance criteria for Ultra-WideBand (UWB) equipment and associated ancillary equipment.
Examples of Ultra-WideBand equipment are given in the related harmonised standards. In case of differences (for instance concerning special conditions, definitions, abbreviations) between the present document and ETSI EN 301 489-1 [1], the provisions of the present document take precedence.
The environmental classification and the emission and immunity requirements used in the present document are as stated in ETSI EN 301 489-1 [1], except for any special conditions included in the present document.
The present document covers the essential requirements of article 3.1(b) of Directive 2014/53/EU [i.1] under the conditions identified in annex A.

SIST EN 301 489-34 V2.1.1:2019
2019-06 (po) (en) 21 str. (F)
Standard elektromagnetne združljivosti (EMC) za radijsko opremo in storitve - 34. del: Posebni pogoji za zunanje napajalnike (EPS) za mobilne telefone - Harmonizirani standard, ki zajema bistvene zahteve člena 6 direktive 2014/30/EU
ElectroMagnetic Compatibility (EMC) standard for radio equipment and services - Part 34: Specific conditions for External Power Supply (EPS) for mobile phones - Harmonised Standard covering the essential requirements of article 3.1b of the Directive 2014/53/EU and the essential requirements of article 6 of the Directive 2014/30/EU
Osnova: ETSI EN 301 489-34 V2.1.1 (2019-04)
ICS: 33.070.01, 33.060.20, 33.100.01

The present document specifies technical characteristics and methods of measurement for the common external power supply (EPS) for use with data-enabled mobile telephones as described in CENELEC EN 62684 [3].
The present document covers the essential requirements of article 6 of Directive 2014/30/EU under the conditions identified in annex A.
In case of differences (for instance concerning special conditions, definitions and abbreviations) between the present document and ETSI EN 301 489-1 [1], the provisions of the present document take precedence.

SIST EN 301 489-35 V2.2.1:2019
2019-06 (po) (en) 26 str. (F)
Standard elektromagnetne združljivosti (EMC) za radijsko opremo in storitve - 35. del: Posebne zahteve za aktivne medicinske vsadke z majhno močjo (LP-AMI), ki delujejo v frekvenčnem pasu od 2483,5 MHz do 2500 MHz - Harmonizirani standard, ki zajema bistvene zahteve člena 3.1(b) direktive 2014/53/EU
ElectroMagnetic Compatibility (EMC) standard for radio equipment and services - Part 35: Specific requirements for Low Power Active Medical Implants (LP-AMI) operating in the 2 483,5 MHz to 2 500 MHz bands - Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU
Osnova: ETSI EN 301 489-35 V2.2.1 (2019-04)
ICS: 33.100.01, 33.060.99, 11.040.40

The present document together with ETSI EN 301 489-1 [1], covers the assessment of all radio transceivers associated with Low Power Active Medical Implants (LP-AMIs) and associated Peripheral devices (LP-AMI-P) in respect of ElectroMagnetic Compatibility (EMC).
The present document covers the EMC requirements for the radio functions of LP-AMI and associated

Peripheral devices (LP-AMI-P).
Technical specifications related to the antenna port and emissions from the enclosure port of the radio system of LP-AMI and associated Peripheral devices (LP-AMI-P) are not included in the present document. Such technical specifications are found in the relevant product standards for the effective use of the radio spectrum.
The present document specifies the applicable test conditions, performance assessment, and performance criteria for of LP-AMI and associated Peripheral devices (LP-AMI-P).
Definitions of types of LP-AMIs and P-AMI-Ps covered by present document are given in annex B.
In case of differences (for instance concerning special conditions, definitions, abbreviations) between the present document and ETSI EN 301 489-1 [1], the provisions of the present document take precedence.
The environmental classification and the emission and immunity requirements used in the present document are as stated in the ETSI EN 301 489-1 [1], except for any special conditions included in the present document.
The present document, together with ETSI EN 301 489-1 [1], contains requirements to demonstrate an adequate level of electromagnetic compatibility as set out in Directive 2014/53/EU [i.1].

SIST EN 301 489-4 V3.2.1:2019
2019-06 (po) (en) 21 str. (F)
Standard elektromagnetne združljivosti (EMC) za radijsko opremo in storitve - 4. del: Posebni pogoji za fiksne radijske povezave in pomožno opremo - Harmonizirani standard, ki zajema bistvene zahteve člena 3.1(b) direktive 2014/53/EU
ElectroMagnetic Compatibility (EMC) standard for radio equipment and services - Part 4: Specific conditions for fixed radio links and ancillary equipment - Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU
Osnova: ETSI EN 301 489-4 V3.2.1 (2019-04)
ICS: 33.100.01, 33.060.20

The present document specifies technical characteristics and methods of measurement for Analogue and Digital Fixed Radio Links operating as fixed Point-to-Point, and Point-to-Multipoint systems as defined in annex B, including the associated ancillary equipment.
NOTE: Technical specifications related to the antenna port of the radio equipment are not included in the present document. Such technical specifications are found in the relevant product standards for the effective use of the radio spectrum.
In case of differences (for instance concerning special conditions, definitions and abbreviations) between the present document and ETSI EN 301 489-1 [1], the provisions of the present document take precedence.
The processing and protection switch, (de)modulator, transmitter, receiver, RF filters, branching networks and feeders are covered by the present document. The multiplexing and/or de-multiplexing elements are covered if they form part of the transmitter, receiver and/or transceiver.
The environmental classification and the emission and immunity requirements used in the present document are as stated in ETSI EN 301 489-1 [1], except for any special conditions included in the present document. The present document covers the essential requirements of article 3.1(b) of Directive 2014/53/EU [i.1] under the conditions identified in annex A.

SIST EN 301 489-5 V2.2.1:2019
2019-06 (po) (en) 22 str. (F)
Standard elektromagnetne združljivosti (EMC) za radijsko opremo in storitve - 5. del: Posebni pogoji za zasebni mobilni radio (PMR), pomožno opremo (govorno in negovorno) in prizemni snopovni radio (TETRA) - Harmonizirani standard, ki zajema bistvene zahteve člena 3.1(b) direktive 2014/53/EU
ElectroMagnetic Compatibility (EMC) standard for radio equipment and services - Part 5: Specific conditions for Private land Mobile Radio (PMR) and ancillary equipment (speech and non-speech) and Terrestrial Trunked Radio (TETRA) - Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU
Osnova: ETSI EN 301 489-5 V2.2.1 (2019-04)
ICS: 33.070.10, 33.060.01, 33.100.01

The present document, together with ETSI EN 301 489-1 [1], covers the assessment of Private land Mobile Radio (PMR) and associated ancillary equipment, in respect of ElectroMagnetic Compatibility (EMC). The present document covers both analogue and digital Private land Mobile Radio (PMR) equipment. Technical specifications related to the antenna port and emissions from the enclosure port of Private land Mobile Radio (PMR) equipment are not included in the present document. Such technical specifications are found in the relevant product standards for the effective use of the radio spectrum.
The present document specifies the applicable test conditions, performance assessment and performance criteria for Private land Mobile Radio (PMR) equipment and associated ancillary equipment.
Examples of Private Mobile Radio equipment are given in annex B.
In case of differences (for instance concerning special conditions, definitions, abbreviations) between the present document and ETSI EN 301 489-1 [1], the provisions of the present document take precedence.
The environmental classification and the emission and immunity requirements used in the present document are as stated in ETSI EN 301 489-1 [1], except for any special conditions included in the present document.

SIST EN 301 489-50 V2.2.1:2019
2019-06 (po) (en) 33 str. (H)
Standard elektromagnetne združljivosti (EMC) za radijsko opremo in storitve - 50. del: Posebni pogoji za ponavljalniško (repetitorsko) in pomožno opremo celičnih komunikacijskih baznih postaj (BS) - Harmonizirani standard, ki zajema bistvene zahteve člena 3.1(b) direktive 2014/53/EU
ElectroMagnetic Compatibility (EMC) standard for radio equipment and services - Part 50: Specific conditions for Cellular Communication Base Station (BS), repeater and ancillary equipment - Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU
Osnova: ETSI EN 301 489-50 V2.2.1 (2019-04)
ICS: 33.100.01, 33.060.01

The present document specifies technical characteristics and methods of measurements for equipment the following equipment types:
1) digital cellular base station equipment;
2) repeaters;
3) associated ancillary equipment.
Including individually and combinations of:
- UTRA, WCDMA (IMT-2000 Direct Spread, W-CDMA, UMTS);
- E-UTRA, LTE (IMT-2000 and IMT advanced);
- GSM (IMT-2000 SC, Technology GSM/EDGE);
- MSR (IMT-2000 and IMT advanced, combination of technologies above);
- OFDMA WMAN (IMT-2000 OFDMA, OFDMA WMAN);
- CDMA (CDMA2000 - IMT MC, CDMA2000 1X).

Technical specifications related to the antenna port and emissions from the enclosure port of radio equipment (base station (BS), and repeaters) are not included in the present document. Such technical specifications are found in the relevant product standards for the effective use of the radio spectrum.
Examples of base station equipment covered by the present document are given in annex B.
In case of differences (for instance concerning special conditions, definitions, abbreviations) between the present document and ETSI EN 301 489-1 [1], the provisions of the present document take precedence.
The present document covers the essential requirements of article 3.1(b) of Directive 2014/53/EU under the conditions identified in annex A.
Technical specifications related to the antenna port of radio equipment and radiated emissions from the enclosure port of radio equipment and combinations of radio and associated ancillary equipment are given in the harmonised product standards ETSI EN 301 908-1 [28] or ETSI EN 301 502 [8] for the effective and efficient use of the radio spectrum.

SIST EN 301 489-51 V2.1.1:2019
2019-06 (po) (en) 12 str. (C)
Standard elektromagnetne združljivosti (EMC) za radijsko opremo in storitve - 51. del: Posebni pogoji za radarje v avtomobilih, talnih vozilih in za nadzorne radarje, ki uporabljajo frekvenčna območja od 24,05 GHz do 24,25 GHz, od 24,05 GHz do 24,5 GHz, od 76 GHz do 77 GHz in od 77 GHz do 81 GHz - Harmonizirani standard, ki zajema bistvene zahteve člena 3.1(b) direktive 2014/53/EU
ElectroMagnetic Compatibility (EMC) standard for radio equipment and services - Part 51: Specific conditions for Automotive, Ground based Vehicles and Surveillance Radar Devices using 24,05 GHz to 24,25 GHz, 24,05 GHz to 24,5 GHz, 76 GHz to 77 GHz and 77 GHz to 81 GHz - Harmonised Standard covering the essential requirements of article 3.1b of Directive 2014/53/EU
Osnova: ETSI EN 301 489-51 V2.1.1 (2019-04)
ICS: 33.100.01, 33.060.01, 43.040.15

The present document, together with ETSI EN 301 489-1 [1], covers the assessment of automotive, ground based vehicles and surveillance radar devices using 24,05 GHz to 24,25 GHz, 24,05 GHz to 24,5 GHz, 76 GHz to 77 GHz and 77 GHz to 81 GHz in respect of ElectroMagnetic Compatibility (EMC).
Technical specifications related to the antenna port and emissions from the enclosure port of radar equipment are not included in the present document. Such technical specifications are found in the relevant product standards for the effective use of the radio spectrum.
The present document specifies the applicable test conditions, performance assessment and performance criteria for automotive and surveillance radar devices and associated ancillary equipment.
Automotive and surveillance radar equipments are low power millimetre wave devices that are able to detect and characterize targets in their environment.
The following use cases are included (but are not limited to):
• automotive Advanced Driver Assistance Systems (ADAS) applications, such as Adaptive Cruise Control (ACC), Blind Spot Detection (BSD), parking aid, backup aid, autonomous braking and pre-crash systems (PCS);
• surveillance radars for other kind of ground based vehicles, such as trains, trams, aircrafts while taxiing;
• fixed infrastructure radars for traffic monitoring;
• railway/road crossings obstacle detection radars;
• helicopter obstacle detection radars.
Examples of automotive and surveillance radar devices are given in the related harmonised standards. In case of differences (for instance concerning special conditions, definitions, abbreviations) between the present document and ETSI EN 301 489-1 [1], the provisions of the present document take precedence.
The environmental classification and the emission and immunity requirements used in the present document are as stated in ETSI EN 301 489-1 [1], except for any special conditions included in the present document.

SIST EN 301 489-53 V1.1.1:2019
2019-06 (po) (en) 24 str. (F)
Standard elektromagnetne združljivosti (EMC) za radijsko opremo in storitve - 53. del: Posebni pogoji za oddajnike v storitvi prizemne zvokovne in digitalne TV radiodifuzije in pripadajočo pomožno opremo - Harmonizirani standard, ki zajema bistvene zahteve člena 3.1(b) direktive 2014/53/EU
ElectroMagnetic Compatibility (EMC) standard for radio equipment and services - Part 53: Specific conditions for terrestrial sound broadcasting and digital TV broadcasting service transmitters and associated ancillary equipment - Harmonised standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU
Osnova: ETSI EN 301 489-53 V1.1.1 (2019-04)
ICS: 33.100.01, 33.060.01, 33.170

The present document specifies technical characteristic and methods of measurements for terrestrial sound broadcasting and digital TV broadcasting service transmitters, exciters, repeaters, active deflectors, On-Channel repeaters and any associated ancillary equipment.
The present document covers the essential requirements of article 3.1(b) of Directive 2014/53/EU [i.1] under the conditions identified in annex A.
Technical specifications related to the antenna port emissions are not included in the present document.

Such technical specifications are found in the relevant product standards of ETSI for the effective use of the radio spectrum.
In case of differences (for instance concerning special conditions, definitions, abbreviations) between the present document and ETSI EN 301 489-1 [1], the provisions of the present document take precedence.
The present document may not cover those cases where a potential source of interference which is producing individually repeated transient phenomena or continuous phenomena is permanently present, e.g. a radar site in the near vicinity. In such a case it may be necessary to use special protection applied to either the source of interference or the interfered part or both.

SIST EN 301 489-6 V2.2.1:2019
2019-06 (po) (en) 21 str. (F)
Standard elektromagnetne združljivosti (EMC) za radijsko opremo in storitve - 6. del: Posebni pogoji za opremo digitalnih izboljšanih brezvrvičnih telekomunikacij (DECT) - Harmonizirani standard, ki zajema bistvene zahteve člena 3.1(b) direktive 2014/53/EU
ElectroMagnetic Compatibility (EMC) standard for radio equipment and services - Part 6: Specific conditions for Digital Enhanced Cordless Telecommunications (DECT) equipment - Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU
Osnova: ETSI EN 301 489-6 V2.2.1 (2019-04)
ICS: 33.060.01, 33.100.01, 33.070.30

The present document specifies technical characteristics and methods of measurements for Digital Enhanced Cordless Telecommunications (DECT) equipment, and associated ancillary equipment.
The present document covers the essential requirements of article 3.1(b) of Directive 2014/53/EU [i.1] under the conditions identified in annex A.
Technical specifications related to the antenna port and emissions from the enclosure port of the radio equipment are not included in the present document.
NOTE: Such technical specifications are found in the relevant product standards for the effective use of the radio spectrum.
In case of differences (for instance concerning special conditions, definitions, abbreviations) between the present document and ETSI EN 301 489-1 [1], the provisions of the present document take precedence.
The environmental classification and the emission and immunity requirements used in the present document are as stated in ETSI EN 301 489-1 [1], except for any special conditions included in the present document.

SIST EN 301 489-9 V2.1.1:2019
2019-06 (po) (en) 25 str. (F)
Standard elektromagnetne združljivosti (EMC) za radijsko opremo in storitve - 9. del: Posebni pogoji za brezžične mikrofone, podobno opremo za radiofrekvenčne (RF) zvokovne povezave, brezvrvične avdio in ušesne slušne naprave - Harmonizirani standard, ki zajema bistvene zahteve člena 3.1(b) direktive 2014/53/EU
ElectroMagnetic Compatibility (EMC) standard for radio equipment and services - Part 9: Specific conditions for wireless microphones, similar Radio Frequency (RF) audio link equipment, cordless audio and in-ear monitoring devices - Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU
Osnova: ETSI EN 301 489-9 V2.1.1 (2019-04)
ICS: 33.160.50, 33.060.01, 33.100.01

The present document, together with ETSI EN 301 489-1 [1], covers the assessment of wireless microphones, similar RF audio link equipment, cordless audio, including low power Band II transmitters and in-ear monitoring, intended for the transmission of music and speech, and associated ancillary equipment, in respect of ElectroMagnetic Compatibility (EMC).
Technical specifications related to the antenna port and emissions from the enclosure port of wireless microphones, similar RF audio link equipment, cordless audio and in-ear monitoring are not included in the present document. Such technical specifications are found in the relevant product standards for the effective use of the radio spectrum.

The present document specifies the applicable EMC tests, the test methods, the limits and the performance criteria for wireless microphones, similar RF audio link equipment, cordless audio, in-ear monitoring and associated ancillary equipment. This equipment can use analogue or digital modulation techniques.
Examples of equipment types covered by the present document are given in annex C.
Other types of transmitters or receivers, which are intended for combined use, with either wireless radio microphones, RF audio link equipment, cordless audio and in-ear monitoring will be tested to their appropriate EMC standard.
Low quality speech applications as toy microphones, babyphones etc. operating at frequencies below 50 MHz, occupied bandwidth < 25 kHz and operating according CEPT/ERC/REC 70-03 [i.2], annex 1 are excluded from the present document and are considered in ETSI EN 301 489-3 [i.4].
In case of differences (for instance concerning special conditions, definitions, abbreviations) between the present document and ETSI EN 301 489-1 [1], the provisions of the present document take precedence.
The environmental classification and the emission and immunity requirements used in the present document are as stated in ETSI EN 301 489-1 [1], except for any special conditions included in the present document.
The present document is aimed to cover requirements to demonstrate an adequate level of electromagnetic compatibility.

SIST EN 302 637-2 V1.4.1:2019
2019-06 (po) (en) 45 str. (I)
Inteligentni transportni sistemi - Komunikacija med vozili - Osnovni nabor aplikacij - 2. del: Specifikacija osnovne storitve kooperativne izmenjave podatkov o vozilih
Intelligent Transport Systems (ITS) - Vehicular Communications - Basic Set of Applications - Part 2: Specification of Cooperative Awareness Basic Service
Osnova: ETSI EN 302 637-2 V1.4.1 (2019-04)
ICS: 35.240.60

The present document provides the specifications of the Cooperative Awareness basic service (CA basic service), which is in support of the BSA road safety application.
This includes definition of the syntax and semantics of the Cooperative Awareness Message (CAM) and detailed specifications on the message handling.

SIST EN 302 637-3 V1.3.1:2019
2019-06 (po) (en) 74 str. (L)
Inteligentni transportni sistemi - Komunikacija med vozili - Osnovni nabor aplikacij - 3. del: Specifikacije osnovne storitve decentraliziranega okoljskega obveščanja
Intelligent Transport Systems (ITS) - Vehicular Communications - Basic Set of Applications - Part 3: Specifications of Decentralized Environmental Notification Basic Service
Osnova: ETSI EN 302 637-3 V1.3.1 (2019-04)
ICS: 35.240.60

The present document provides specification of the DEN basic service, which is in support of the RHW application.
More specifically, the present document specifies the syntax and semantics of the "Decentralized Environmental Notification Message" (DENM) and the DENM protocol handling.
The DEN basic service may be implemented in an vehicle ITS-S, a road side ITS-S, a personal ITS-S or a central ITS-S.

SIST EN 50117-1:2019

SIST EN 50117-1:2004
SIST EN 50117-1:2004/A1:2007
SIST EN 50117-1:2004/A2:2013

2019-06 (po) (en) 14 str. (D)

Koaksialni kabli - 1. del: Splošna specifikacija
Coaxial cables - Part 1: Generic specification
Osnova: EN 50117-1:2019
ICS: 33.120.10

This European Standard covers coaxial cables for use in analogue and digital systems. This standard should be used in conjunction with EN 50290 1 1.
Coaxial cables covered by this standard operate in transverse electromagnetic mode (TEM) and are suitable for use in a wide range of digital and analogue applications including CATV, radio frequency systems, instrumentation, broadcasting, telecommunications and data network systems. Various constructions and materials provide for indoor and outdoor applications, including underground and overhead installations, and other environmental protection characteristics.
Generally, cables are designed for use in 50 Ohm and 75 Ohm characteristic impedance systems, although other types (e.g. 93/95 Ohm) are also covered.
Coaxial cables defined by this standard may be incorporated into hybrid cable constructions with optical fibre or multi-element cable components.
All cables covered by this standard may be subjected to voltages greater than 50 V AC or 75 V DC according to the relevant sectional or detail specification. However, these cables are not intended for direct connection to the mains electricity supply or other low impedance sources.

SIST EN 50117-10-1:2019

SIST EN 50117-2-2:2005
SIST EN 50117-2-2:2005/A1:2008
SIST EN 50117-2-2:2005/A2:2013

2019-06 (po) (en) 15 str. (D)

Koaksialni kabli - 10-1. del: Področna specifikacija za koaksialne kable za analogni in digitalni prenos signala - Zunanji priključni kabli za sisteme, ki delujejo v območju od 5 MHz do 1 000 MHz
Coaxial cables - Part 10-1: Sectional specification for coaxial cables for analoque and digital signal transmission – Outdoor drop cables for systems operating at 5 MHz - 1 000 MHz
Osnova: EN 50117-10-1:2019
ICS: 33.120.10

This European Standard relates to EN 50117-1 and should be read in conjunction with this generic specification. This specification applies to coaxial outdoor drop cables for analogue and digital signal transmission, e.g. for cable networks for television signals, sound signals and interactive services in accordance with EN 60728 series and with the EN 50173 and EN 50174 series.
Cables according to this standard are designed for an operating temperature range from -40 °C and +70 °C and at frequencies between 5 MHz and 1 000 MHz.
The purpose of this European Standard is to specify the applicable test methods and requirements for the electrical, mechanical, and environmental and fire performance of the cables.

SIST EN 50117-10-2:2019

SIST EN 50117-2-5:2005
SIST EN 50117-2-5:2005/A1:2008
SIST EN 50117-2-5:2005/A2:2013
SIST EN 50117-2-5:2005/AC:2012

2019-06 (po) (en) 15 str. (D)

Koaksialni kabli - 10-2. del: Področna specifikacija za koaksialne kable za analogni in digitalni prenos signala - Zunanji priključni kabli za sisteme, ki delujejo v območju od 5 MHz do 3 000 MHz
Coaxial cables - Part 10-2: Sectional specification for coaxial cables for analoque and digital signal transmission - Outdoor drop cables for systems operating at 5 MHz - 3 000 MHz
Osnova: EN 50117-10-2:2019
ICS: 33.120.10

This European Standard relates to EN 50117-1 and should be read in conjunction with this generic specification. This specification applies to coaxial outdoor drop cables for analogue and digital signal transmission, e.g. for cable networks for television signals, sound signals and interactive services in accordance with EN 60728 series and with the EN 50173 and EN 50174 series.
Cables according to this standard are designed for an operating temperature range from -40 °C and +70 °C and at frequencies between 5 MHz and 3 000 MHz.
The purpose of this European Standard is to specify the applicable test methods and requirements for the electrical, mechanical, and environmental and fire performance of the cables.

SIST EN 50117-11-1:2019 SIST EN 50117-2-3:2005
SIST EN 50117-2-3:2005/A1:2008
SIST EN 50117-2-3:2005/A2:2013

2019-06 (po) (en) 13 str. (D)

Koaksialni kabli - 11-1. del: Področna specifikacija za koaksialne kable za analogni in digitalni prenos signala - Razdelilni in povezovalni kabli za sisteme, ki delujejo v območju od 5 MHz do 1 000 MHz
Coaxial cables - Part 11-1: Sectional specification for coaxial cables for analoque and digital signal transmission - Distribution and trunk cables for systems operating at 5 MHz - 1 000 MHz
Osnova: EN 50117-11-1:2019
ICS: 33.120.10

This European Standard relates to EN 50117-1 and should be read in conjunction with this generic specification. This specification applies to distribution and trunk cables for analogue and digital signal transmission e.g. for cable networks for television signals, sound signals and interactive services in accordance with EN 60728 series and with the EN 50173 and EN 50174 series.
Cables according to this standard are designed for an operating temperature range from -40 °C and +70 °C and at frequencies between 5 MHz and 1 000 MHz.
The purpose of this European Standard is to specify the applicable test methods and requirements for the electrical, mechanical, environmental and fire performance of the cables.

SIST EN 50117-11-2:2019

2019-06 (po) (en) 14 str. (D)

Koaksialni kabli - 11-2. del: Področna specifikacija za koaksialne kable za analogni in digitalni prenos signala - Razdelilni in povezovalni kabli za sisteme, ki delujejo v območju od 5 MHz do 2 000 MHz
Coaxial cables - Part 11-2: Sectional specification for coaxial cables for analoque and digital signal transmission - Distribution and trunk cables for systems operating at 5 MHz - 2 000 MHz
Osnova: EN 50117-11-2:2019
ICS: 33.120.10

This European Standard relates to EN 50117-1 and should be read in conjunction with this generic specification. This specification applies to distribution and trunk cables for analogue and digital signal transmission e.g. for cable networks for television signals, sound signals and interactive services in accordance with EN 60728 series and with the EN 50173 and EN 50174 series.
Cables according to this standard are designed for an operating temperature range from -40 °C and +70 °C and at frequencies between 5 MHz and 2 000 MHz.
The purpose of this European Standard is to specify the applicable test methods and requirements for the electrical, mechanical, environmental and fire performance of the cables.

SIST EN 50117-9-1:2019

SIST EN 50117-2-1:2005
SIST EN 50117-2-1:2005/A1:2008
SIST EN 50117-2-1:2005/A2:2013

2019-06 **(en)** **14 str. (D)**

Koaksialni kabli - 9-1. del: Področna specifikacija za koaksialne kable za analogni in digitalni prenos signala - Notranji priključni kabli za sisteme, ki delujejo v območju od 5 MHz do 1 000 MHz

Coaxial cables - Part 9-1: Sectional specification for coaxial cables for analogue and digital signal transmission - Indoor drop cables for systems operating at 5 MHz - 1 000 MHz

Osnova: EN 50117-9-1:2019
ICS: 33.120.10

This European Standard relates to EN 50117-1 and should be read in conjunction with this generic specification. This specification applies to coaxial indoor drop cables for analogue and digital signal transmission, e.g. for cable networks for television signals, sound signals and interactive services in accordance with the EN 60728 series and with EN 50173 and EN 50174 series.
Cables according to this standard are designed for an operating temperature range from -40 °C and +70 °C and at frequencies between 5 MHz and 1 000 MHz.
The purpose of this European Standard is to specify the applicable test methods and requirements for the electrical, mechanical, and environmental and fire performance of the cables.

SIST EN 50117-9-2:2019

SIST EN 50117-2-4:2005
SIST EN 50117-2-4:2005/A1:2008
SIST EN 50117-2-4:2005/A2:2013
SIST EN 50117-4-1:2008
SIST EN 50117-4-1:2008/A1:2013

2019-06 **(po)** **(en)** **14 str. (D)**

Koaksialni kabli - 9-2. del: Področna specifikacija za koaksialne kable za analogni in digitalni prenos signala - Notranji priključni kabli za sisteme, ki delujejo v območju od 5 MHz do 3 000 MHz

Coaxial cables - Part 9-2: Sectional specification for coaxial cables for analogue and digital signal transmission - Indoor drop cables for systems operating at 5 MHz - 3 000 MHz

Osnova: EN 50117-9-2:2019
ICS: 33.120.10

This European Standard relates to EN 50117-1 and should be read in conjunction with this generic specification. This specification applies to coaxial indoor drop cables for analogue and digital signal transmission, e.g. for cable networks for television signals, sound signals and interactive services in accordance with the EN 60728 series and with the EN 50173 and EN 50174 series.
Cables according to this standard are designed for an operating temperature range from -40 °C and +70 °C and at frequencies between 5 MHz and 3 000 MHz.
The purpose of this European Standard is to specify the applicable test methods and requirements for the electrical, mechanical, and environmental and fire performance of the cables.

SIST EN 50117-9-3:2019

SIST EN 50117-4-2:2016

2019-06 **(po)** **(en)** **16 str. (D)**

Koaksialni kabli - 9-3. del: Področna specifikacija za koaksialne kable za analogni in digitalni prenos signala - Notranji priključni kabli za sisteme, ki delujejo v območju od 5 MHz do 6 000 MHz

Coaxial cables - Part 9-3: Sectional specification for coaxial cables for analogue and digital signal transmission - Indoor drop cables for systems operating at 5 MHz - 6 000 MHz

Osnova: EN 50117-9-3:2019
ICS: 33.120.10

This European Standard relates to EN 50117-1 and should be read in conjunction with this generic specification. This specification applies to coaxial indoor drop cables for analogue and digital signal transmission, e.g. for cable networks for television signals, sound signals and interactive services in accordance with EN 60728 series and with EN 50173 and EN 50174 series.
Cables according to this standard are designed for an operating temperature range from -40 °C and +70

°C and at frequencies between 5 MHz and 6 000 MHz.
The purpose of this European Standard is to specify the applicable test methods and requirements for the electrical, mechanical, and environmental and fire performance of the cables.

SIST EN 50551-1:2019 SIST EN 50551-1:2011
2019-06 (po) (en) 11 str. (C)
Simpleksni in dupleksni kabli za zaključene kabelske sestave - 1. del: Okvirna podrobna specifikacija in minimalne zahteve
Simplex and duplex cables for use in terminated cable assemblies - Part 1: Blank Detail Specification and minimum requirements
Osnova: EN 50551-1:2019
ICS: 33.180.10

This blank detail specification describes parameters that can be considered for simplex and duplex optical fibre cables for use in terminated cable assemblies or for termination with optical fibre passive components.

SIST EN IEC 60793-1-31:2019 SIST EN 60793-1-31:2010
2019-06 (po) (en) 27 str. (G)
Optična vlakna - 1-31. del: Metode merjenja in preskusni postopki - Natezna trdnost (IEC 60793-1-31:2019)
Optical fibres - Part 1-31: Measurement methods and test procedures - Tensile strength (IEC 60793-1-31:2019)
Osnova: EN IEC 60793-1-31:2019
ICS: 33.180.10

This part of IEC 60793 provides values of the tensile strength under dynamic loading of optical fibre samples. The method tests individual lengths of uncabled and unbundled glass optical fibre. Sections of fibre are broken with controlled increasing stress or strain that is uniform over the entire fibre length and cross section. The stress or strain is increased at a nominally constant rate until breakage occurs.
The distribution of the tensile strength values of a given fibre strongly depends on the sample length, loading velocity and environmental conditions. The test can be used for inspection where statistical data on fibre strength is required. Results are reported by means of statistical quality control distribution. Normally, the test is carried out after temperature and humidity conditioning of the sample. However, in some cases, it can be sufficient to measure the values at ambient temperature and humidity conditions.
This method is applicable to categories A1, A2, and A3, and classes B and C optical fibres. The object of this document is to establish uniform requirements for the mechanical characteristic: tensile strength.

SIST EN IEC 60966-1:2019 SIST EN 60966-1:2001
2019-06 (po) (en) 57 str. (J)
Radijska frekvenca in sestavi koaksialnih kablov - 1. del: Splošna specifikacija - Splošne zahteve in preskusne metode (IEC 60966-1:2019)
Radio frequency and coaxial cable assemblies - Part 1: Generic specification - General requirements and test methods (IEC 60966-1:2019)
Osnova: EN IEC 60966-1:2019
ICS: 33.120.10

This part of IEC 60966 specifies requirements for radio frequency coaxial cable assemblies operating in the transverse electromagnetic mode (TEM) and establishes general requirements for testing the electrical, mechanical and environmental properties of radio frequency coaxial cable assemblies

composed of cables and connectors. Additional requirements relating to specific families of cable assemblies are given in the relevant sectional specifications.
The design of the cables and connectors used will preferably conform to the applicable parts of IEC 61196 and IEC 61169 respectively.
NOTE 1 This document does not include tests which are normally performed on the cables and connectors separately. These tests are described in IEC 61196-1 (all parts) and IEC 61169-1 respectively.
NOTE 2 Wherever possible, cables and connectors used in cable assemblies, even if they are not described in the IEC 61196 or IEC 61169 series, are tested separately according to the tests given in the relevant generic specification.
NOTE 3 Where additional protection is applied to a cable assembly, the mechanical and environmental tests described in this document are applicable.

SIST/TC MOV Merilna oprema za elektromagnetne veličine

SIST EN IEC 61496-3:2019 SIST-TS CLC/TS 61496-3:2009
2019-06 (po) (en;fr;de) 93 str. (M)
Varnost strojev - Električno občutljiva zaščitna oprema - 3. del: Posebne zahteve za aktivne optoelektronske zaščitne elemente, ki se odzivajo na difuzni odboj (AOPDDR) (IEC 61496-3:2018)
Safety of machinery - Electro-sensitive protective equipment - Part 3: Particular requirements for Active Opto-electronic Protective Devices responsive to Diffuse Reflection (AOPDDR) (IEC 61496-3:2018)
Osnova: EN IEC 61496-3:2019
ICS: 31.260, 13.110

This part of IEC 61496 specifies additional requirements for the design, construction and testing of electro-sensitive protective equipment (ESPE) designed specifically to detect persons or parts of persons as part of a safety-related system, employing active optoelectronic protective devices responsive to diffuse reflection (AOPDDRs) for the sensing function. Special attention is directed to requirements which ensure that an appropriate safety-related performance is achieved. An ESPE can include optional safety-related functions, the requirements for which are given both in Annex A of this document and in Annex A of IEC 61496-1:2012.
This document does not specify the dimensions or configurations of the detection zone and its disposition in relation to hazardous parts for any particular application, nor what constitutes a hazardous state of any machine. It is restricted to the functioning of the ESPE and how it interfaces with the machine.
AOPDDRs are devices that have either
– one or more detection zone(s) specified in two dimensions (AOPDDR-2D), or
– one or more detection zone(s) specified in three dimensions (AOPDDR-3D)
wherein radiation in the near infrared range is emitted by an emitting element(s). When the emitted radiation impinges on an object (for example, a person or part of a person), a portion of the emitted radiation is reflected to a receiving element(s) by diffuse reflection. This reflection is used to determine the position of the object.
Opto-electronic devices that perform only a single one-dimensional spot-like distance measurement, for example, optical proximity switches, are not covered by this document. This document does not address those aspects required for complex classification or differentiation of the object detected.
This document does not address requirements and tests for outdoor application.
Excluded from this document are AOPDDRs employing radiation with the peak of wavelength outside the range 820 nm to 950 nm, and those employing radiation other than that generated by the AOPDDR itself. For sensing devices that employ radiation of wavelengths outside this range, this document can be used as a guide. This document is relevant for AOPDDRs having a minimum detectable object size in the range from 30 mm to 200 mm.
This document can be relevant to applications other than those for the protection of persons, for example, for the protection of machinery or products from mechanical damage. In those applications, different requirements can be appropriate, for example when the materials that have to be recognized by the sensing function have different properties from those of persons and their clothing.
This document does not deal with electromagnetic compatibility (EMC) emission requirements.

SIST-TP CLC IEC/TR 61508-0:2019
2019-06 (po) (en;fr;de) 21 str. (F)
Funkcijska varnost električnih/elektronskih/programirljivih elektronskih varnostnih sistemov - 0. del: Funkcionalna varnost in IEC 61508 (IEC/TR 61508-0:2005)
Functional safety of electrical/electronic/programmable electronic safety-related systems - Part 0: Functional safety and IEC 61508 (IEC/TR 61508-0:2005)
Osnova: CLC IEC/TR 61508-0:2019
ICS: 25.040.40

This Technical Report introduces the concept of functional safety and gives an overview of the IEC 61508 series.

SIST-TP CLC IEC/TR 62453-51-150:2019
2019-06 (po) (en;fr;de) 31 str. (G)
Specifikacija vmesnika orodja procesne naprave - 51-150. del: Implementacija komunikacije za skupni model objekta - IEC 61784 CPF 15 (IEC/TR 62453-51-150:2017)
Field device tool (FDT) interface specification - Part 51-150: Communication implementation for common object model - IEC 61784 CPF 15 (IEC/TR 62453-51-150:2017)
Osnova: CLC IEC/TR 62453-51-150:2019
ICS: 35.240.50, 25.040.40

This part of the IEC 62453-51-xy series, which is a Technical Report, provides information for integrating IEC 61784-2 CPF 15 (Modbus TCP®) and Modbus Serial Line®1 protocol support into FDT systems based on COM implementation. This part is to be used in conjunction with IEC TR 62453-41.
NOTE This part of IEC 62453 only specifies the mapping of Modbus parameters to FDT data types. For restrictions of protocol specific parameters concerning allowed values and concerning limitations of arrays used in the definition of FDT data types, refer to IEC 61158-5-15 and the MODBUS Application Protocol Specification.
This part of IEC 62453 specifies the implementation of communication and other services based on IEC 62453-315.
This document neither contains the FDT specification nor modifies it.

SIST-TP CLC IEC/TR 62453-51-20:2019
2019-06 (po) (en;fr;de) 32 str. (G)
Specifikacija vmesnika orodja procesne naprave - 51-20. del: Implementacija komunikacije za skupni model objekta - IEC 61784 CPF 2 (IEC/TR 62453-51-20:2017)
Field device tool (FDT) interface specification - Part 51-20: Communication implementation for common object model - IEC 61784 CPF 2 (IEC/TR 62453-51-20:2017)
Osnova: CLC/TR 62453-51-20:2019
ICS: 35.240.50, 25.040.40

This part of the IEC 62453-51-xy series, which is a Technical Report, provides information for integrating the CIP™ technology into the COM-based implementation of FDT interface specification (IEC TR 62453-41).
The Communication Profile Family 2 (commonly known as CIP™1) defines communication profiles based on IEC 61158-2 Type 2, IEC 61158-3-2, IEC 61158-4-2, IEC 61158-5-2, and IEC 61158-6-2, IEC 62026-3. The basic profiles CP 2/1 (ControlNet™2), CP 2/2 (EtherNet/IP™3), and CP 2/3 (DeviceNet™1) are defined in IEC 61784-1 and IEC 61784-2. An additional communication profile (CompoNet™),also based on CIP™, is defined in [15]4.
This document specifies implementation of communication and other services based on IEC 62453-302.
This document neither contains the FDT specification nor modifies it.

SIST-TP CLC IEC/TR 62453-51-31:2019
2019-06 (po) (en;fr;de) 46 str. (I)
Specifikacija vmesnika orodja procesne naprave - 51-31. del: Implementacija komunikacije za skupni model objekta - IEC 61784 CP 3/1 in CP 3/2 (IEC/TR 62453-51-31:2017)
Field device tool (FDT) interface specification - Part 51-31: Communication implementation for common object model - IEC 61784 CP 3/1 and CP 3/2 (IEC/TR 62453-51-31:2017)
Osnova: CLC/TR 62453-51-31:2019
ICS: 35.240.50, 25.040.40

This part of the IEC 62453-51-xy series, which is a Technical Report, provides information for integrating the PROFIBUS1 protocol into the COM-based implementation of FDT interface specification (IEC TR 62453-41).
This part of IEC 62453 specifies implementation of communication and other services based on IEC 62453-303-1.
This document neither contains the FDT specification nor modifies it.

SIST-TP CLC IEC/TR 62453-51-32:2019
2019-06 (po) (en;fr;de) 27 str. (G)
Specifikacija vmesnika orodja procesne naprave - 51-32. del: Implementacija komunikacije za skupni model objekta - IEC 61784 CP 3/4, CP 3/5 in CP 3/6 (IEC/TR 62453-51-32:2017)
Field device tool (FDT) interface specification - Part 51-32: Communication implementation for common object model - IEC 61784 CP 3/4, CP 3/5 and CP 3/6 (IEC/TR 62453-51-32:2017)
Osnova: CLC/TR 62453-51-32:2019
ICS: 35.240.50, 25.040.40

This part of the IEC 62453-51-xy series, which is a Technical Report, provides information for integrating the PROFINET®1 technology into the COM-based implementation of the FDT interface specification (IEC TR 62453-41). This part of IEC 62453 specifies implementation of communication and other services based on IEC 62453-303-2.
This document neither contains the FDT specification nor modifies it.

SIST-TP CLC IEC/TR 62453-51-60:2019
2019-06 (po) (en;fr;de) 29 str. (G)
Specifikacija vmesnika orodja procesne naprave - 51-60. del: Implementacija komunikacije za skupni model objekta - IEC 61784 CPF 6 (IEC/TR 62453-51-60:2017)
Field device tool (FDT) interface specification - Part 51-60: Communication implementation for common object model - IEC 61784 CPF 6 (IEC/TR 62453-51-60:2017)
Osnova: CLC/TR 62453-51-60:2019
ICS: 35.240.50, 25.040.40

This part of the IEC 62453-51-xy series, which is a Technical Report, provides information for integrating the INTERBUS®1 technology into the COM-based implementation of FDT interface specification (IEC TR 62453-41). This part of IEC 62453 specifies implementation of communication and other services based on IEC 62453-306. This document neither contains the FDT specification nor modifies it.

SIST-TP CLC IEC/TR 62453-51-90:2019
2019-06 (po) (en;fr;de) 38 str. (H)
Specifikacija vmesnika orodja procesne naprave - 51-90. del: Implementacija komunikacije za skupni model objekta - IEC 61784 CPF 9 (IEC/TR 62453-51-90:2017)
Field device tool (FDT) interface specification - Part 51-90: Communication implementation for common object model - IEC 61784 CPF 9 (IEC/TR 62453-51-90:2017)
Osnova: CLC/TR 62453-51-90:2019
ICS: 35.240.50, 25.040.40

This part of the IEC 62453-51-xy series, which is a Technical Report, provides information for integrating the HART®1 technology into the COM-based implementation of FDT interface specification (IEC TR 62453-41).
This part of IEC 62453 specifies the implementation of communication and other services based on IEC 62453-309.
This document neither contains the FDT specification nor modifies it.

SIST-TP CLC IEC/TR 62453-52-150:2019
2019-06 (po) (en;fr;de) 71 str. (L)
Specifikacija vmesnika orodja procesne naprave - 52-150. del: Implementacija komunikacije za skupno jezikovno infrastrukturo - IEC 61784 CPF 15 (IEC/TR 62453-52-150:2017)
Field device tool (FDT) interface specification - Part 52-150: Communication implementation for common language infrastructure - IEC 61784 CPF 15 (IEC/TR 62453-52-150:2017)
Osnova: CLC IEC/TR 62453-52-150:2019
ICS: 35.240.50, 25.040.40

This part of the IEC 62453-52-xy series, which is a Technical Report, provides information for integrating the Modbus®1 technology into the CLI-based implementation of FDT interface specification (IEC TR 62453-42).
This part of IEC 62453 specifies the implementation of communication and other services based on IEC 62453-315.
This document neither contains the FDT specification nor modifies it.

SIST-TP CLC IEC/TR 62453-52-31:2019
2019-06 (po) (en;fr;de) 66 str. (K)
Specifikacija vmesnika orodja procesne naprave - 52-31. del: Implementacija komunikacije za skupno jezikovno infrastrukturo - IEC 61784 CP 3/1 in CP 3/2 (IEC/TR 62453-52-31:2017)
Field device tool (FDT) interface specification - Part 52-31: Communication implementation for common language infrastructure - IEC 61784 CP 3/1 and CP 3/2 (IEC/TR 62453-52-31:2017)
Osnova: CLC IEC/TR 62453-52-31:2019
ICS: 35.240.50, 25.040.40

This part of the IEC 62453-52-xy series, which is a Technical Report, provides information for integrating the PROFIBUS1 technology into the CLI-based implementation of FDT interface specification (IEC TR 62453-42).
This part of IEC 62453 specifies implementation of communication and other services based on IEC 62453-303-1.
This document neither contains the FDT specification nor modifies it.

SIST-TP CLC IEC/TR 62453-52-32:2019
2019-06 (po) (en;fr;de) 54 str. (J)
Specifikacija vmesnika orodja procesne naprave - 52-32. del: Implementacija komunikacije za skupno jezikovno infrastrukturo - IEC 61784 CP 3/4, CP 3/5 in CP 3/6 (IEC/TR 62453-52-32:2017)
Field device tool (FDT) interface specification - Part 52-32: Communication implementation for common language infrastructure - IEC 61784 CP 3/4, CP 3/5 and CP 3/6 (IEC/TR 62453-52-32:2017)
Osnova: CLC IEC/TR 62453-52-32:2019
ICS: 35.240.50, 25.040.40

This part of the IEC 62453-52-xy series, which is a Technical Report, provides information for integrating the PROFINET®1 technology into the CLI-based implementation of FDT interface specification (IEC TR 62453-42).
This part of IEC 62453 specifies implementation of communication and other services based on IEC 62453-303-2.
This document neither contains the FDT specification nor modifies it.

SIST/TC NTF Oskrba z električno energijo

SIST EN 50549-1:2019/AC:2019
2019-06 (po) (en) 2 str. (AC)
Zahteve za vzporedno vezavo generatorskih postrojev z razdelilnim omrežjem - 1. del: Vezava z nizkonapetostnim razdelilnim omrežjem - Generatorski postroji do vključno tipa A
Requirements for generating plants to be connected in parallel with distribution networks - Part 1: Connection to a LV distribution network - Generating plants up to and including Type B
Osnova: EN 50549-1:2019/AC:2019-04
ICS: 29.240.01, 29.160.20

Popravek k standardu SIST EN 50549-1:2019.
Ti standardi podajajo tehnične zahteve za povezovanje generatorskih postrojev do vključno tipa A (-1-1)/tipa B (-1-2), ki jih je mogoče upravljati vzporedno z javnim nizkonapetostnim razdelilnim omrežjem. Namen njihove uporabe je tehnična referenca za dogovore o priključku med upravljavci razdelilnih omrežij in proizvajalci električne energije ter izkazovanje skladnosti z UREDBO KOMISIJE (EU) 2016/631 (Zahteve za generatorje).

SIST EN 50549-2:2019/AC:2019
2019-06 (po) (en) 6 str. (AC)
Zahteve za vzporedno vezavo generatorskih postrojev z razdelilnim omrežjem - 2. del: Vezava s srednjenapetostnim razdelilnim omrežjem - Generatorski postroji do vključno tipa B
Requirements for generating plants to be connected in parallel with distribution networks - Part 2: Connection to a MV distribution network - Generating plants up to and including Type B
Osnova: EN 50549-2:2019/AC:2019-03
ICS: 29.240.01, 29.160.20

Popravek k standardu SIST EN 50549-2:2019.
Ta standard podaja tehnične zahteve za povezovanje generatorskih postrojev do vključno tipa B, ki jih je mogoče upravljati vzporedno z javnim srednjenapetostnim razdelilnim omrežjem. Namen njihove uporabe je tehnična referenca za dogovore o priključku med upravljavci razdelilnih omrežij in proizvajalci električne energije ter izkazovanje skladnosti z UREDBO KOMISIJE (EU) 2016/631 (Zahteve za generatorje).

SIST/TC OTR Izdelki za otroke

SIST EN 71-3:2019 SIST EN 71-3:2013+A3:2018
2019-06 (po) (en;fr;de) 59 str. (J)
Varnost igrač - 3. del: Migracija določenih elementov
Safety of toys - Part 3: Migration of certain elements
Osnova: EN 71-3:2019
ICS: 97.200.50

This European Standard specifies requirements and test methods for the migration of aluminium, antimony, arsenic, barium, boron, cadmium, chromium (III), chromium (VI), cobalt, copper, lead, manganese, mercury, nickel, selenium, strontium, tin, organic tin and zinc from toy materials and from parts of toys.
Packaging materials are not considered to be part of the toy unless they have intended play value.
NOTE 1 See guidance document of the European Commission guidance document no. 12 [2] on the application of the Directive on the safety of toys – packaging.
The standard contains requirements for the migration of certain elements from the following categories of toy materials:
— Category I: Dry, brittle, powder like or pliable materials;
— Category II: Liquid or sticky materials;

— Category III: Scraped-off materials.
The requirements of this standard do not apply to toys or parts of toys which, due to their accessibility, function, volume or mass, clearly exclude any hazard due to sucking, licking or swallowing or prolonged skin contact when the toy or part of toy is used as intended or in a foreseeable way, bearing in mind the behaviour of children.
NOTE 2 For the purposes of this standard, for the following toys and parts of toys the likelihood of sucking, licking or swallowing toys is considered significant (see H.2 and H.3):
– All toys intended to be put in the mouth or to the mouth, cosmetics toys and writing instruments categorised as toys can be considered to be sucked, licked or swallowed;
– All the accessible parts and components of toys intended for children up to 6 years of age can be considered to come into contact with the mouth. The likelihood of mouth contact with parts of toys intended for older children is not considered significant in most cases (see H.2).

SIST-TP CEN/TR 15371-2:2019 SIST-TP CEN/TR 15371-2:2018
2019-06 (po) (en) 12 str. (C)
Varnost igrač - Razlaga - 2. del: Odgovori na zahteve po razlagi standardov skupine EN 71 glede kemijskih lastnosti
Safety of toys - Interpretations - Part 2: Replies to requests for interpretation of the chemical standards in the EN 71-series
Osnova: CEN/TR 15371-2:2019
ICS: 97.200.50

The purpose of this Technical Report is to provide replies to requests for interpretations of actual chemical standards in the EN 71 series:
- EN 71 3: Migration of certain elements;
- EN 71 4: Experimental sets for chemistry and related activities;
- EN 71 5: Chemical toys (sets) other than experimental sets;
- EN 71 7: Finger paints - Requirements and test methods;
- EN 71 9: Organic chemical compounds - Requirements;
- EN 71 10: Organic chemical compounds - Sample preparation and extraction;
- EN 71 11: Organic chemical compounds - Methods of analysis;
- EN 71 12: N-Nitrosamines and N-Nitrosatable substances;
- EN 71 13: Olfactory board games, cosmetic kits and gustative games.

SIST/TC PLN Plinske naprave za dom

SIST EN 13611:2019 SIST EN 13611:2015
SIST EN 13611:2015/AC:2016
2019-06 (po) (en;fr;de) 153 str. (P)
Varnostne in nadzorne naprave za gorilnike in aparate na plin in/ali tekoča goriva - Splošne zahteve
Safety and control devices for burners and appliances burning gaseous and/or liquid fuels - General requirements
Osnova: EN 13611:2019
ICS: 27.060.20, 23.060.40

This European Standard specifies the general safety, design, construction, and performance requirements and testing for safety, control or regulating devices (hereafter referred to as controls) for burners and appliances burning one or more gaseous fuels or liquid fuels. This European Standard is applicable to controls with declared maximum inlet pressure up to and including 500 kPa of nominal connection sizes up to and including DN 250.
This European standard specifies general product requirements for the following controls:
- automatic shut-off valves;
- automatic burner control systems;
- flame supervision devices;

- gas/air ratio controls;
- pressure regulators;
- manual taps;
- mechanical thermostats;
- multifunctional controls;
- pressure sensing devices;
- valve proving systems;
- automatic vent valves.

This European standard applies for control functions that are not covered by a specific control standard for burners and appliances burning one or more gaseous fuels or liquid fuels.
This European Standard applies also for safety accessories and pressure accessories with a product of the maximum allowable pressure PS and the volume V of less than 600 000 kPa • dm3 (6 000 bar• litres) or with a product of PS and DN of less than 300 000 kPa (3 000 bar) .
This European Standard applies for AC and DC supplied controls (for controls supplied by stand-alone battery system, battery systems for mobile applications or systems which are intended to be connected to DC supply networks controls see Annex I).
This European Standard is applicable to reset functions used for reset from lockout, e.g. due to ignition failure or temperature cut-out in burners and appliances (see Annex M).
This European Standard establishes methodologies for the determination of a Safety Integrity Level (SIL) and the determination of a Performance Level (PL) (see Annex J, Annex K and Annex L).
This European Standard gives guidelines for environmental aspects (see Annex N).
This European Standard does not apply to mechanical controls for use with liquid fuels.
Protection against environmental impact in open air (i.e. capable of withstanding UV radiation, wind, rain, snow, dirt deposits, condensation, ice and hoar frost (see IEV 441-11-05:2005)), earth quake, external fire are not covered by this standard.
This European Standard should be used in conjunction with the specific control standard (see Bibliography).

SIST EN 484:2019 SIST EN 484:1997
2019-06 (po) (en;fr;de) 54 str. (J)
Specifikacija za plinske aparate na utekočinjeni naftni plin - Prostostoječi kuhalniki, vključno z žarom za zunanjo uporabo
Specification for dedicated liquefied petroleum gas appliances - Independent stoves, including those incorporating a grill for outdoor use
Osnova: EN 484:2019
ICS: 97.040.20

This standard specifies constructional and performance characteristics, safety specifications and rational use of energy, relevant test methods and marking of independent stoves, side burners, covered burners, open burners, contact grills, radiant grills, burning liquefied petroleum gas, referred to in the body of the text as "appliances".
This standard covers appliances, used outdoors and operating with the gases indicated in 4.1 and according to the categories specified in 4.2.
This standard applies to these appliances and their functional sections whether or not the latter are independent or incorporated into an assembly.
Appliances supplied with third family gas at pressures greater those defined in 4.2 are outside the field of application of this standard.
Appliances used in leisure vehicles and boats are outside the field of application of this standard.
Independent stove burners, whose nominal heat input is below 1,16 kW and grills, are not subject to any special requirement concerning the rational use of energy due to their low rate and their use for short periods of time.
This European Standard does not state all applicable requirements for integral equipments of other nature (for example barbecues covered by EN 498).
This standard does not cover regulators that must be used with those appliances and covered by EN 16129.

SIST EN 521:2019 SIST EN 521:2006

2019-06 (po) (en;fr;de) 68 str. (K)

Specifikacije za plinske aparate na utekočinjeni naftni plin - Prenosni aparati, ki delujejo s tlakom uparjenega plina

Specifications for dedicated liquefied petroleum gas appliances - Portable vapour pressure liquefied petroleum gas appliances

Osnova: EN 521:2019

ICS: 27.060.20

This European Standard specifies the construction and performance characteristics related to safety and the rational use of energy of portable appliances burning liquefied petroleum gases at the vapour pressure within the gas container. It also defines test methods and the requirements for marking and the information to be given in the instructions.

NOTE These appliances are referred to in the body of the text as "appliances".

This European Standard applies to various types of portable appliances burning liquefied petroleum gases at vapour pressure and designed to be used with (non refillable) cartridges as complying with EN 417 or any types of gas cylinders other than cartridges. For example the following types of appliances are covered:

a) cooking appliances (hotplates, grills, barbecues...).

This European Standard does not cover barbecues that can be used indoors;

b) lighting appliances;

c) heating appliances.

This European Standard only applies to appliances with a maximum heat input of up to 3 kW (Hs) for outdoor use only;

d) blowlamps.

This European Standard only applies to blowlamps without a flexible hose;

e) laboratory burners.

The requirements apply to these appliances or their functional sections whether or not the latter are independent or incorporated into an assembly.

This European Standard only applies to type examination.

Appliances covered by this European Standard are not connected to a flue for the discharge of products of combustion and are not connected to the mains electricity supply.

This European Standard covers neither appliances supplied with LPG in the liquid phase nor those incorporating a fixed gas reservoir which may or may not be refilled by the user. This European Standard does not cover gas containers or flexible hose.

It does not apply to smokers' lighters covered by EN ISO 9994.

Requirements for rational use of energy have been included for hotplate burners.

However, such requirements have not been included for the

SIST/TC SKA Stikalni in krmilni aparati

SIST EN IEC 62271-209:2019 SIST EN 62271-209:2008

2019-06 (po) (en) 26 str. (F)

Visokonapetostne stikalne in krmilne naprave - 209. del: Kabelski spoji za plinsko izolirane stikalne naprave v kovinskih ohišjih za naznačene napetosti nad 52 kV - Kabli v tekočini in z ekstrudirano izolacijo - Mokri in suhi kabelski priključki (IEC 62271-209:2019)

High-voltage switchgear and controlgear - Part 209: Cable connections for gas-insulated metal-enclosed switchgear for rated voltages above 52 kV - Fluid-filled and extruded insulation cables - Fluid-filled and dry-type cable-terminations (IEC 62271-209:2019)

Osnova: EN IEC 62271-209:2019

ICS: 29.130.10

This part of IEC 62271 covers the connection assembly of fluid-filled and extruded cables to gas-insulated metal enclosed switchgear (GIS), in single- or three-phase arrangements where the cable terminations are fluid-filled or dry-type and there is a separating insulating barrier between the cable insulation and the gas insulation of the switchgear.

The purpose of this document is to establish electrical and mechanical interchangeability between cable terminations and the gas-insulated metal-enclosed switchgear and to determine the limits of supply. It complements and amends, if applicable, the relevant IEC standards. For the purpose of this document the term "switchgear" is used for "gas-insulated metal enclosed switchgear".
It does not cover directly immersed cable terminations, as described in CIGRE brochure 89 [4] 1.

SIST/TC SPN Storitve in protokoli v omrežjih

SIST EN 300 132-2 V2.6.1:2019
2019-06 (po) (en) 37 str. (H)
Okoljski inženiring (EE) - Napajalni vmesnik na vhodu informacijske in komunikacijske tehnologije (IKT) - 2. del: Enosmerna napetost - 48 V (DC)
Environmental Engineering (EE) - Power supply interface at the input of Information and Communication Technology (ICT) equipment - Part 2: -48 V Direct Current (DC)
Osnova: ETSI EN 300 132-2 V2.6.1 (2019-04)
ICS: 19.040, 33.050.01

The present document contains requirements and measurements methods for the physical interface "A" that is situated between the power supply system(s) and the power consuming ICT equipment.
The nominal voltage at power interface "A" of ICT equipment defined in the present document is DC voltage -48 V.
The DC power can be supplied by a DC output power system (e.g. based on AC rectifiers on grid or DC/DC converters on solar system, fuel cell, DC engine or fuel cell generator) and also directly supplied by a battery backup in this DC power system. The purpose of the present document is to use a power supply system with the same characteristics for all ICT equipment defined in the area of application:
- to facilitate inter working of different types of load units;
- to facilitate the standardization of ICT equipment;
- to facilitate the installation, operation and maintenance in the same network of ICT equipment and systems from different origins.
The present document aims at providing electrical compatibility between the power supply equipment and the power consuming ICT equipment, between different system blocks and loads connected to the same power supply feeding the interface "A" (e.g. control/monitoring, cooling system, etc.).
The requirements are defined for:
- the power supply input of any type of ICT equipment installed at telecommunication centres that are connected to interface "A" powered by DC;
- any type of ICT equipment, installed in access networks and customers' premises, the DC interface "A" of which is also used by equipment requiring a DC supply source;
- any type of ICT equipment powered by DC, used in the fixed and mobile networks installed in different locations such as buildings, shelters, street cabinets.
Disturbances on the power supply interface "A" relating to the continuous wave phenomena below 20 kHz are covered within the present document.
The present document does not cover safety requirements, they are covered by relevant safety standards.
The present document does not cover EMC requirements, they are covered by relevant EMC standards.
NOTE: Annex B gives guidance on -60 VDC supply systems.

SIST EN 319 532-3 V1.2.1:2019
2019-06 (po) (en) 35 str. (H)
Elektronski podpisi in infrastruktura (ESI) - Storitve priporočene elektronske pošte (REM) - 3. del: Formati
Electronic Signatures and Infrastructures (ESI) - Registered Electronic Mail (REM) Services - Part 3: Formats
Osnova: ETSI EN 319 532-3 V1.2.1 (2019-04)
ICS: 35.040.01

The present document specifies the formats for messages that are produced and handled by a Registered Electronic Mail (REM) service according to the concepts and semantic defined in ETSI EN 319 522 parts 1 [7] and 2 [8] and ETSI EN 319 532 parts 1 [10] and 2 [11]. More specifically, the present document:
a) Specifies how the general ERDS concepts like user content and metadata are identified and mapped in the standard email structure.
b) Specifies how the aforementioned concepts are mapped in the REM service messaging structures.
c) Specifies how the ERDS evidence set is plugged inside the REM service messaging structures.
d) Specifies additional mechanisms like digital signature and other security controls.

SIST/TC STV Steklo, svetloba in razsvetljava v gradbeništvu

SIST EN 12898:2019 SIST EN 12898:2001
2019-06 (po) (en) 21 str. (F)
Steklo v gradbeništvu - Določanje emisivnosti
Glass in building - Determination of the emissivity
Osnova: EN 12898:2019
ICS: 81.040.20

This draft European Standard specifies a procedure for determining the emissivity at room temperature of the surfaces of glass, coated glass and other glazing components not transparent in the far infrared. The emissivity is necessary for taking into account heat transfer by radiation from surfaces at the standard temperature of 283 K in the determination of the U value and of the total solar transmittance of glazing according to B.1 to B.5.

SIST/TC TLP Tlačne posode

SIST EN 12285-3:2019 SIST EN 12285-1:2003
2019-06 (po) (en;fr;de) 31 str. (G)
V delavnici izdelani rezervoarji iz jekla - 3. del: Ležeči enoplaščni in dvoplaščni valjasti rezervoarji za podzemno skladiščenje vnetljivih in nevnetljivih tekočin, ki onesnažujejo vodo in ki se uporabljajo za ogrevanje in hlajenje stavb
Workshop fabricated steel tanks - Part 3: Horizontal cylindrical single skin and double skin tanks for the underground storage of flammable and nonflammable water polluting liquids for heating and cooling of buildings
Osnova: EN 12285-3:2019
ICS: 23.020.10, 13.300

This document specifies the product characteristics and test/assessment methods for workshop fabricated cylindrical, horizontal steel tanks, single (type S) and double skin (type D) intended to be used for the underground storage of water polluting liquids (both flammable and non-flammable), specifically used for storage and/or supply of fuel for building heating/cooling systems, and of hot or cold water not intended for human consumption at normal ambient temperature conditions (−20 °C to +50 °C) within the following limits:
— from 800 mm up to 3000 mm nominal diameter and;
— up to a maximum overall length of 6 times the nominal diameter;
— for liquids with a maximum density of up to 1,1 kg/l and;
— with an operating pressure (Po) of maximum 50 kPa (0,5 bar(g)) and minimum – 5 kPa (–50 mbar(g)) and;
— for double skin tanks with a vacuum leak detection system where the kinematic viscosity does not exceed 5 × 10−3 m2/s.
Two tank types are distinguished:
— Type S: Single skin;
— Type D: Double skin.
Tanks designed to this document allow for an earth cover of up to 1,5 m. If there are imposed traffic

loads or a greater earth cover, calculation will occur.
This document is not applicable to tanks installed in industrial processes or in petrol stations, nor to loads and special measures necessary in areas subject to risk of earthquakes and/or to flooding.

SIST EN 12817:2019 SIST EN 12817:2010
2019-06 (po) (en;fr;de) 34 str. (H)
Oprema in pribor za utekočinjeni naftni plin (UNP) - Pregledi in periodični preskusi tlačnih posod za UNP s prostornino do vključno 13 mł
LPG Equipment and accessories - Inspection and requalification of LPG pressure vessels up to and including 13 mł
Osnova: EN 12817:2019
ICS: 23.020.32

This European Standard specifies requirements for:
a) routine inspection, periodic inspection and requalification of fixed LPG storage tanks of sizes from 150 l up to and including 13 mł, and associated fittings;
b) marking tanks and/or keeping records, as appropriate, as a result of routine inspection, periodic inspection and requalification.
This European Standard excludes refrigerated storage.

SIST EN 12819:2019 SIST EN 12819:2010
2019-06 (po) (en;fr;de) 31 str. (G)
Oprema in pribor za utekočinjeni naftni plin (UNP) - Pregledi in periodični preskusi tlačnih posod za UNP s prostornino nad 13 mł
LPG equipment and accessories - Inspection and requalification of LPG pressure vessels greater than 13 mł
Osnova: EN 12819:2019
ICS: 23.020.32

This European Standard specifies requirements for:
a) routine inspection, periodic inspection and requalification of fixed LPG storage pressure vessels of sizes greater than 13 m3, and associated fittings;
b) marking pressure vessels and/or keeping records, as appropriate, as a result of routine inspection, periodic inspection and requalification.
This European Standard excludes refrigerated storage.

SIST EN 13175:2019 SIST EN 13175:2015
2019-06 (po) (en;fr;de) 53 str. (J)
Oprema in pribor za utekočinjeni naftni plin (UNP) - Specifikacija in preskušanje ventilov in fitingov za tlačne posode za UNP
LPG Equipment and accessories - Specification and testing for Liquefied Petroleum Gas (LPG) pressure vessel valves and fittings
Osnova: EN 13175:2019
ICS: 23.020.32, 75.180.01, 23.060.01

This European Standard specifies minimum requirements for the design, testing and production testing of valves, including appropriate fittings, which are connected to mobile or static LPG pressure vessels above 150 l water capacity. Pressure relief valves and their ancillary equipment, contents gauges and automotive LPG components are outside the scope of this European Standard.
This European Standard does not apply to refineries or other process plants.

SIST EN 13480-1:2018/A1:2019
2019-06 (po) (en;fr;de) 4 str. (A)
Kovinski industrijski cevovodi - 1. del: Splošno - Dopolnilo A1
Metallic industrial piping - Part 1: General
Osnova: EN 13480-1:2017/A1:2019
ICS: 77.140.75, 23.040.10

Dopolnilo A1:2019 je dodatek k standardu SIST EN 13480-1:2018.
This European Standard specifies the requirements for industrial piping systems and supports, including safety systems, made of metallic materials with a view to ensure safe operation.
This European Standard is applicable to metallic piping above ground, ducted or buried, irrespective of pressure.
This European Standard is not applicable to:
- Pipelines and their accessories;
- Stream waterways such as penstocks, pressure tunnels, pressure shaft for hydro-electric-installations and their related specific accessories;
- Piping for vehicles covered by the EEC type approval procedures as laid down in Directives 70/156/EEC [1], 74/150/EEC [2] and 92/61/EEC [3];
- Items specifically designed for nuclear use, failure of which may cause an emission of radioactivity;
- Well-control equipment used in the petroleum, gas or geothermal exploration and extraction industry and in underground storage which is intended to contain and/or control well pressure, including the piping;
- Piping of blast furnaces including the furnace cooling, hot blast recuperators, dust extractors and blast furnace exhaust gas scrubbers and direct reducing cupolas including the furnace cooling, gas converters and vacuum furnaces and pans for melting, re-melting de-gassing and casting of steel and non ferrous metals;
- Enclosures for high voltage electrical equipment such as switchgear, control gear and transformers;
- Pressurized pipes for the containment of transmission systems such as for electrical power and telephone cables;
- Permanently fixed piping for ships, rockets, aircraft and mobile offshore units;
- Internal piping in medical devices as defined in the Directive 93/142/EEC [4] concerning medical devices;
- Internal piping of boilers and piping integral to pressure vessels.

SIST EN 13480-5:2018/A1:2019
2019-06 (po) (en;fr;de) 7 str. (B)
Kovinski industrijski cevovodi - 5. del: Pregled in preskušanje - Dopolnilo A1
Metallic industrial piping - Part 5: Inspection and testing
Osnova: EN 13480-5:2017/A1:2019
ICS: 23.040.10, 77.140.75

Dopolnilo A1:2019 je dodatek k standardu SIST EN 13480-5:2018.
Ta del tega evropskega standarda določa zahteve za pregled in preskušanje industrijskih cevovodov, kot določa standard EN 13480-1:2017, ki ju je treba izvesti na posameznih navitjih cevnih sistemov, vključno z nosilci, ki so konstruirani v skladu s standardoma EN 13480-3:2017 in EN 13480-6:2017 (če je to potrebno) ter izdelani in vgrajeni v skladu s standardom EN 13480-4:2017.

SIST EN ISO 23208:2019 SIST EN 12300:1999
SIST EN 12300:1999/A1:2006
2019-06 (po) (en;fr;de) 14 str. (D)
Kriogene posode - Čistoča za obratovanje v kriogenem območju (ISO 23208:2017)
Cryogenic vessels - Cleanliness for cryogenic service (ISO 23208:2017)
Osnova: EN ISO 23208:2019
ICS: 23.020.40

This document specifies the minimum requirements for the cleanliness of all surfaces of cryogenic vessels and associated accessories that are in contact with the cryogenic fluid at any expected operating conditions.
This document defines the acceptable level of surface and particle contamination to minimize the risk of malfunction of equipment and ensure safety against ignition when in contact with oxygen or oxidizing fluids (see EN ISO 10156).

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

SIST EN IEC 60027-2:2019 SIST EN 60027-2:2008
2019-06 (po) (en) 76 str. (L)
Črkovni simboli za uporabo v elektrotehniki - 2. del: Telekomunikacije in elektronika (IEC 60027-2:2019)
Letter symbols to be used in electrical technology - Part 2: Telecommunications and electronics (IEC 60027-2:2019)
Osnova: EN IEC 60027-2:2019
ICS: 33.020, 31.020, 01.075

This part of IEC 60027 is applicable to telecommunications and electronics. It gives names and symbols for quantities and their units.

SS SPL Strokovni svet SIST za splošno področja

SIST DIN 18915:2019 SIST DIN 18915:2013
2019-06 (pr) (sl) 38 str. (SH)
Uporaba rastlin pri urejanju zelenih površin - Zemeljska dela
Vegetation technology in landscaping - Soil working
Osnova: DIN 18915:2018
ICS: 93.020, 65.020.40

Ta standard velja za vsa zemeljska dela, pri katerih je treba ohraniti ali vzpostaviti naravne funkcije tal.
Velja tudi pri gradbenih in vzdrževalnih delih, ko je treba živico ali mrtvico za potrebe izvedbe zasaditev odstraniti, skladiščiti, se po njej voziti, nasuti, izboljšati in na njej obnoviti vegetacijo.
Ne velja za rastni sloj trave za športne površine po DIN 18035-4.
OPOMBA: Pri gradbenih delih s spremljajočo zaščito tal se bo ta standard v prihodnje uporabljal skupaj s standardom DIN
19639, Baubegleitender Bodenschutz (Zaščita tal med gradbenimi deli), ki je v pripravi.

SIST DIN 18916:2019 SIST DIN 18916:2013
2019-06 (pr) (sl) 17 str. (SE)
Uporaba rastlin pri urejanju zelenih površin - Rastline in saditvena dela
Vegetation technology in landscaping - Plants and plant care
Osnova: DIN 18916:2016
ICS: 65.020.20

Ta standard velja za rastline in delo z rastlinami v okviru posegov, ki se izvajajo pri urejanju zelenih površin.

SIST DIN 18917:2019 SIST DIN 18917:2013

2019-06 (pr) (sl) 13 str. (SD)

Uporaba rastlin pri urejanju zelenih površin - Trate in setvena dela

Vegetation technology in landscaping – Turf and seeding

Osnova: DIN 18917:2013

ICS: 65.020.20

Ta standard velja za izvedbe tratnih površin s pomočjo setve ali z uporabo gojene tratne ruše, tratne ruše in rastlinskih delov ter tudi za izvedbe z drugimi vrstami posevkov v okviru urejanja zelenih površin.

Ne velja pa za:

– trate na športnih površinah, za kar glej DIN 18035-4,

– za posevke in trate v okviru inženirskobioloških varovalnih posegov ter tudi ne za posevke in trate, namenjene zavarovanju voda, jezov in obalnih sipin, za kar glej DIN 18918.

SIST DIN 18919:2019 SIST DIN 18919:2013

2019-06 (pr) (sl) 16 str. (SD)

Uporaba rastlin pri urejanju zelenih površin - Vzdrževalna dela v fazi razvoja in pri oskrbi zasaditev (začetno in redno vzdrževanje)

Vegetation technology in landscaping - Care of vegetation during development and maintenance in green areas

Osnova: DIN 18919:2016

ICS: 65.020.20

Ta standard velja za delovne postopke pri zasaditvah in tudi pri inženirsko-bioloških gradnjah po DIN 18918. Ne velja pa za tratne površine na športnih igriščih, za kar glej DIN 18035-4.

SIST DIN 18920:2019 SIST DIN 18920:2013

2019-06 (pr) (sl) 7 str. (SB)

Uporaba rastlin pri urejanju zelenih površin - Zaščita drevja, rastlinskih sestojev in nasadov pri gradbenih posegih

Vegetation technology in landscaping - Protection of trees, plantations and vegetation areas during construction work

Osnova: DIN 18920:2014

ICS: 65.020.40

Ta standard velja za načrtovanje in izvedbo vseh vrst posegov, ki so namenjeni izgradnji, vzdrževanju, spremembi ali utrditvi gradbenih konstrukcij. Namenjen je zaščiti in ohranitvi obstoječih posameznih dreves in rastlinskih sestojev (nasadov), ki jih sestavljajo na primer drevesa, grmovnice, trave, zelnate trajnice. Zaščita obstoječih nasadov je pomembna zaradi dejstva, da se pri novih nasadih vse njihove najpomembnejše funkcije, na primer ekološka, podnebna, estetska, varovalna in druge, lahko vzpostavijo šele po večletnem obdobju.

OPOMBA 1: Za dodatna navodila in smernice o zaščitnih ukrepih za drevje in grmovnice ter tudi za grafične prikaze glej dokument "RASP-LP 4". V njem so opisani tudi zaščitni ukrepi za druge vrste zasajenih površin in za živali.

OPOMBA 2: Za dela, povezana z nego drevja, glej dokument "ZTV -Baumpflege"

SIST EN 14504:2019 SIST EN 14504:2016

2019-06 (po) (en;fr;de) 29 str. (G)

Plovila za celinske vode - Plavajoči privezi in pontonski mostovi na celinskih vodah - Zahteve, preskusi

Inland navigation vessels - Floating landing stages and floating bridges on inland waters - Requirements, tests

Osnova: EN 14504:2019

ICS: 93.140

This European Standard specifies safety requirements for floating landing stages and floating bridges for passenger transport and their equipment. Requirements for facilities for supply and waste disposals for vessels using these floating landing stages are not covered by this Standard.
This European Standard is not applicable to:
- floating landing stages for motor vehicle traffic;
- floating landing stages for recreational craft and inland navigation craft that are not vessels, e.g. floating equipment;
- more severe requirements for floating landing stages used for the transhipment of dangerous goods;
- any landing stages required between vessel and floating landing stage;
- specialized floating structures which are not used for passenger traffic or the berthing of vessels.

SIST EN 16815:2019 SIST-TP CEN/TR 16815:2016
2019-06 (po) (en;fr;de) 979 str. (2I)
CleANopen - Aplikacijski profil za komunalna vozila
CleANopen - Application profile for municipal vehicles
Osnova: EN 16815:2019
ICS: 43.160, 35.240.60

This European Standard provides a set of CANopen application profile specifications that describes the CleANopen embedded body control network of municipal vehicles, e.g. refuse collecting trucks. It specifies the CANopen communication interfaces and the application functionality of several functional elements (virtual devices). It does not specify CANopen devices. The CleANopen application profile specifications consist of several parts dealing with the following:
- general definitions;
- functionality of the virtual devices;
- pre defined PDOs and SDOs;
- application objects.

SIST EN 17032:2018/A1:2019
2019-06 (po) (en;fr;de) 4 str. (A)
Hladilniki in zamrzovalne omare za profesionalno uporabo - Razvrstitev, zahteve in preskusni pogoji - Dopolnilo A1
Blast chillers and freezers cabinets for professional use - Classification, requirements and test conditions
Osnova: EN 17032:2018/A1:2019
ICS: 97.130.20

This standard specifies the requirements for the construction, characteristics, performance including energy consumption of blast cabinet for professional used in commercial kitchens, hospitals, canteens, institutional catering and similar professional areas.
The appliances covered by this standard are intended to rapidly cool down hot foodstuffs up to a load capacity of 300 kg.
This standard applies to:
- blast chillers;
- blast freezers;
- multi-use blast chillers/freezers.

The following appliances are not covered:
- roll-in cabinet;
- pass-through cabinet;
- cabinets with remote condensing unit;

NOTE Specific requirements for roll-in cabinet, pass-through cabinet and cabinets with remote condensing unit are under discussion.
- cabinets with water cooled condenser;
- blast chilling and freezing tunnels;
- continuous blast-chilling and blast-freezing equipment;
- bakery combined freezing and storage units.

SIST EN 1822-1:2019 SIST EN 1822-1:2010

2019-06 (po) (en;fr;de) 20 str. (E)

Visoko učinkoviti zračni filtri (EPA, HEPA in ULPA) - 1. del: Klasifikacija, preskušanje lastnosti, označevanje

High efficiency air filters (EPA, HEPA and ULPA) - Part 1: Classification, performance testing, marking

Osnova: EN 1822-1:2019

ICS: 23.120

This European Standard applies to high efficiency particulate and ultra low penetration air filters (EPA, HEPA and ULPA) used in the field of ventilation and air conditioning and for technical processes, e.g. for applications in clean room technology or pharmaceutical industry.
It establishes a procedure for the determination of the efficiency on the basis of a particle counting method using a liquid (or alternatively a solid) test aerosol, and allows a standardized classification of these filters in terms of their efficiency, both local and integral efficiency.

SIST EN 2321:2019

2019-06 (po) (en;fr;de) 9 str. (C)

Aeronavtika - Aluminijeva zlitina 2024-T3 - Palice in profili a < ali = 150 mm

Aerospace series - Aluminium Alloy 2024-T3 - Bars and Sections a < or = 150 mm

Osnova: EN 2321:2019

ICS: 49.025.20

This European Standard specifies the requirements relating to:
Aluminium alloy 2024-T3
Bars and sections
a **≤ 150 mm**
for aerospace applications.

SIST EN 2468:2019

2019-06 (po) (en;fr;de) 8 str. (B)

Aeronavtika - Jeklo FE-PA11 - Utrjeno in mehko žarjeno - Cevi - 0,5 mm ≤ a ≤ 5 mm

Aerospace series - Steel FE-PA11 - Softened - Tubes - 0,5 mm ≤ a ≤ 5 mm

Osnova: EN 2468:2019

ICS: 49.025.10

This document specifies the requirements relating to:
Steel FE-PA11
Softened
Tubes
0,5 mm ≤ a ≤ 5 mm
for aerospace applications.

SIST EN 2470:2019

2019-06 (po) (en;fr;de) 8 str. (B)

Aeronavtika - Jeklo FE-PA11 - Utrjeno, mehko žarjeno in hladno vlečeno - Žice za kovice - 1 mm ≤ D ≤ 10 mm

Aerospace series - Steel FE-PA11 - Softened and cold drawn - Wires for rivets - 1 mm ≤ D ≤ 10 mm

Osnova: EN 2470:2019

ICS: 77.140.65, 49.030.60, 49.025.10

This document specifies the requirements relating to:
Steel FE-PA11
Softened and cold drawn
Wires for rivets

1 mm ≤ D ≤ 10 mm
for aerospace applications.

SIST EN 2699:2019
2019-06 (po) (en;fr;de) 8 str. (B)
Aeronavtika - Aluminijeva zlitina (5086) - Žarjena in poravnana (H111) - Vlečene palice - 6 mm ≤ D ≤ 50 mm
Aerospace series - Aluminium alloy (5086) - Annealed and straightened (H111) - Drawn bar - 6 mm ≤ D ≤ 50 mm
Osnova: EN 2699:2019
ICS: 49.025.20

This document specifies the requirements relating to:
Aluminium alloy (5086)
Annealed and straightened (H111)
Drawn bar
6 mm ≤ D ≤ 50 mm
for aerospace applications.

SIST EN 2878:2018+AC:2019 SIST EN 2878:2018
2019-06 (po) (en;fr;de) 8 str. (B)
Aeronavtika - Zakovne matice, samozaporne, vremensko odporne, tesnjene, premične, dvostranske, z izvrtino za valjaste vijake, iz legiranega jekla, kadmirane, mazane z MoS2 - Klasifikacija: 900 MPa (pri okoljski temperaturi)/235 °C (vključno s popravkom AC)
Aerospace series - Nuts, anchor, self-locking, air resistant, sealing, floating, two lug, with counterbore, in alloy steel, cadmium plated, MoS2 lubricated - Classification: 900 MPa (at ambient temperature)/235 °C
Osnova: EN 2878:2018+AC:2019
ICS: 21.060.20, 49.030.30

This European standard specifies the characteristics of self-locking, air resistant, sealing, floating, two lug anchor nuts, with counterbore, in alloy steel, cadmium plated, MoS2 lubricated.
Classification: 900 MPa/235 °C.

SIST EN 2880:2018+AC:2019 SIST EN 2880:2018
2019-06 (po) (en;fr;de) 8 str. (B)
Aeronavtika - Zakovne matice, samozaporne, odporne proti gorivu, tesnjene, premične, dvostranske, z izvrtino za valjaste vijake, iz legiranega jekla, kadmirane, mazane z MoS2 - Klasifikacija: 900 MPa (pri okoljski temperaturi)/120 °C (vključno s popravkom AC)
Aerospace series - Nuts, anchor, self-locking, fuel resistant, sealing, floating, two lug, with counterbore, in alloy steel, cadmium plated, MoS_2 lubricated - Classification: 900 MPa (at ambient temperature) / 120 °C
Osnova: EN 2880:2018+AC:2019
ICS: 21.060.20, 49.030.30

This European standard specifies the characteristics of self-locking, fuel resistant, sealing, floating, two lug anchor nuts, with counterbore, in alloy steel, cadmium plated, MoS2 lubricated.
Classification: 900 MPa/120 °C.

SIST EN 2923:2019
2019-06 (po) (en;fr;de) 8 str. (B)
Aeronavtika - Matice, šestrobe, drsne, z zmanjšanim zevom ključa, iz toplotnoodpornega jekla, posrebrene - Klasifikacija: 600 MPa (pri okoljski temperaturi)/425 °C
Aerospace series - Nuts, hexagon, plain, reduced height, reduced across flats, in heat resisting steel, silver plated - Classification: 600 MPa (at ambient temperature) / 425 °C
Osnova: EN 2923:2019
ICS: 21.060.20, 49.030.30

This document specifies the characteristics of hexagon plain nuts, reduced height, reduced across flats, in heat resisting steel, silver plated.
Classification: 600 MPa/425 °C.

SIST EN 2924:2019
2019-06 (po) (en;fr;de) 8 str. (B)
Aeronavtika - Matice, šestrobe, drsne, z zmanjšanim zevom ključa, iz toplotnoodpornega jekla, posrebrene, levi navoj - Klasifikacija: 600 MPa (pri okoljski temperaturi)/425 °C
Aerospace series - Nuts, hexagon, plain, reduced height, reduced across flats, in heat resisting steel, silver plated, left hand thread - Classification: 600 MPa (at ambient temperature) / 425 °C
Osnova: EN 2924:2019
ICS: 21.060.20, 49.030.30

This document specifies the characteristics of hexagon plain nuts, reduced height, reduced across flats, with left hand thread, in heat resisting steel, silver plated.
Classification: 600 MPa /425 °C.

SIST EN 2952:2019
2019-06 (po) (en;fr;de) 8 str. (B)
Aeronavtika - Toplotnoodporna zlitina NI-PH2601 - Topilno žarjena in hladno preoblikovana - Palice za kovane vezne elemente - D ≤ 50 mm - 1270 MPa ≤ Rm ≤ 1550 MPa
Aerospace series - Heat resisting alloy NI-PH2601 - Solution treated and cold worked - Bar for forged fasteners - D ≤ 50 mm - 1 270 MPa ≤ Rm ≤ 1 550 MPa
Osnova: EN 2952:2019
ICS: 49.025.05, 49.030.01

This European Standard specifies the requirements relating to:
Heat resisting alloy NI-PH2601
Solution treated and cold worked
Bar for forged fasteners
***D* ≤ 50 mm**
1 270 MPa ≤ Rm ≤ 1 550 MPa
for aerospace applications.

SIST EN 3155-004:2019 SIST EN 3155-004:2009
2019-06 (po) (en;fr;de) 14 str. (D)
Aeronavtika - Električni kontakti za uporabo v veznih elementih - 004. del: Kontakti, električni, moški, tip A, nagubani, razred T - Standard za proizvod
Aerospace series - Electrical contacts used in elements of connection - Part 004: Contacts, electrical, male, type A, crimp, class T - Product standard
Osnova: EN 3155-004:2019
ICS: 49.060

This European Standard specifies the required characteristics tests and tooling applicable to male electrical contacts 004, type A, crimp, class T, used in elements of connection according to EN 3155-002.

It shall be used together with EN 3155-001.
The associated female contacts are defined in EN 3155-005.
The contacts defined by this standard are not applicable for connector EN 2997 classes KV, SV, KF and SF (defined in EN 2997-002).

SIST EN 3155-005:2019

SIST EN 3155-005:2008
SIST EN 3155-005:2008/AC:2008
SIST EN 4593:2011

2019-06 (po) (en;fr;de) 15 str. (D)

Aeronavtika - Električni kontakti za uporabo v veznih elementih - 005. del: Kontakti, električni, ženski, tip A, nagubani, razred T - Standard za proizvod

Aerospace series - Electrical contacts used in elements of connection - Part 005: Contacts, electrical, female, type A, crimp, class T - Product standard

Osnova: EN 3155-005:2019
ICS: 49.060

This European Standard specifies the required characteristics and tests applicable to female electrical contacts 005, type A, crimp, class T, used in elements of connection according to EN 3155-002. It shall be used together with EN 3155-001.
The associated male contacts are defined in EN 3155-004.
The contacts defined by this standard are not applicable for connector EN 2997 classes KV, SV, KF and SF (defined in EN 2997-002).

SIST EN 3220:2019

2019-06 (po) (en;fr;de) 8 str. (B)

Aeronavtika - Toplotno odporne zlitine na nikljevi osnovi (Ni-P101HT) - Hladno preoblikovana in mehko žarjena - Palice in žice za kontinuirno kovanje ali iztiskanje vezalnih elementov - 3 mm ≤ D ≤ 30 mm

Aerospace series - Heat resisting nickel base alloy (Ni-P101HT) - Cold worked and softened - Bar and wire for continuous forging or extrusion for fasteners - 3 mm ≤ D ≤ 30 mm

Osnova: EN 3220:2019
ICS: 49.025.05, 49.030.01

This document specifies the requirements relating to:
Heat resisting nickel base alloy (Ni-P101HT)
Cold worked and softened
Bar and wire for continuous forging or extrusion for fasteners
3 mm ≤ D ≤ 30 mm
for aerospace applications.

SIST EN 3314:2019

2019-06 (po) (en;fr;de) 8 str. (B)

Aeronavtika - Titanova zlitina TI-P64001 - Topilno žarjena in starana - Palice za obdelavo - D ≤ 75 mm

Aerospace series - Titanium alloy TI-P64001 - Solution treated and aged - Bar for machining - D ≤ 75 mm

Osnova: EN 3314:2019
ICS: 49.025.30

This document specifies the requirements relating to:
Titanium alloy TI-P64001
Solution treated and aged
Bar for machining
D ≤ 75 mm
for aerospace applications.

SIST EN 3470:2019
2019-06 (po) (en;fr;de) 8 str. (B)
Aeronavtika - Jeklo FE-PM1503 (X3CrNiMoAl13-8-2) - Taljeno z vakuumsko indukcijo in pretaljeno s talilno elektrodo - Topilno žarjeno in izločevalno utrjeno - Izkovki - a ali D ≤ 150 mm - 1200 MPa ≤ Rm ≤ 1400 MPa
Aerospace series - Steel FE-PM1503 (X3CrNiMoAl13-8-2) - Vacuum induction melted and consumable electrode remelted - Solution treated and precipitation treated - Forgings - a or D ≤ 150 mm - 1 200 MPa ≤ Rm ≤ 1 400 MPa
Osnova: EN 3470:2019
ICS: 77.140.85, 49.025.10

This document specifies the requirements relating to:
Steel FE-PM1503 (X3CrNiMoAl13-8-2)
Vacuum induction melted and consumable electrode remelted
Solution treated and precipitation treated
Forgings
a or D ≤ 150 mm
1 200 MPa ≤ Rm ≤ 1 400 MPa
for aerospace applications.

SIST EN 3645-004:2019 SIST EN 3645-004:2009
2019-06 (po) (en;fr;de) 8 str. (B)
Aeronavtika - Konektorji, električni, okrogli, zaščiten kontakt, hitra spojka z navojem, stalna delovna temperatura 175 °C ali 200 °C - 004. del: Spojnik, hermetičen, s kvadratno montažno prirobnico - Standard za proizvod
Aerospace series - Connectors, electrical, circular, scoop-proof, triple start threaded coupling, operating temperature 175 °C or 200 °C continuous - Part 004: Receptacle, hermetic, square flange mounting - Product standard
Osnova: EN 3645-004:2019
ICS: 31.220.10, 49.060

This European Standard specifies the characteristics of square flange hermetic receptacles in the family of circular electrical connectors with triple start threaded coupling.
It applies to models in Table 3.
The contacts are unremovable and soldered termination.
For plugs and protective covers, see EN 3645-008, EN 3645-011, EN 3645-012 and EN 3645-006 respectively.These connectors are derived from and interchangeable with model Y in specification MIL-DTL-38999/21.

SIST EN 3645-009:2019 SIST EN 3645-009:2009
2019-06 (po) (en;fr;de) 10 str. (C)
Aeronavtika - Konektorji, električni, okrogli, zaščiten kontakt, hitra spojka z navojem, stalna delovna temperatura 175 °C ali 200 °C - 009. del: Podloga, z okroglo prirobnico, pritrjena z matico - Standard za proizvod
Aerospace series - Connectors, electrical, circular, scoop-proof, triple start threaded coupling, operating temperature 175 °C or 200 °C continuous - Part 009: Receptacle, round flange, jam nut mounting - Product standard
Osnova: EN 3645-009:2019
ICS: 31.220.10, 49.060

This European Standard specifies the characteristics of jam nut mounting receptacles in the family of circular, electrical connectors, with triple start threaded coupling.
It applies to models in Table 3.
For plugs and protective covers, see EN 3645-006, EN 3645-008, EN 3645-011 and EN 3645-012 respectively.

For sealing plugs and cable outlet accessories associated with this receptacle, see EN 3645-002. These connectors are derived from and interchangeable with models W, F, J, M, Z, T and K in specification MIL-DTL-38999/24.

SIST EN 3833:2019 SIST EN 3833:2005
2019-06 (po) (en;fr;de) 27 str. (G)
Aeronavtika - Sorniki, navoj MJ, iz toplotnoodporne zlitine na nikljevi osnovi NI-PH2601 (Inconel 718), pasivirane - Klasifikacija 1550 MPa (pri okoljski temperaturi)/650 °C - Tehnična specifikacija
Aerospace series - Bolts, MJ threads, in heat resisting nickel base alloy NI-PH2601 (Inconel 718), passivated - Classification: 1 550 MPa (at ambient temperature) / 650 °C - Technical specification
Osnova: EN 3833:2019
ICS: 49.030.20

This European standard specifies the characteristics, qualification and acceptance requirements for bolts with MJ threads in NI-PH2601, passivated, for aerospace applications.
Classification: 1 550 MPa1/650 °C2.
It is applicable whenever referenced.

SIST EN 4289:2019
2019-06 (po) (en;fr;de) 8 str. (B)
Aeronavtika - Aluminijeva zlitina AL-P7175 - Kovinski materiali
Aerospace series - Aluminium alloy AL-P7175 - Forging stock
Osnova: EN 4289:2019
ICS: 49.025.20

This European Standard specifies the requirements relating to:
Aluminium alloy AL-P7175
Forging stock
for aerospace applications.

SIST EN 4400-1:2019 SIST EN 2070-1:2001
SIST EN 2070-1:2001/A1:2001
SIST EN 2070-2:2001
2019-06 (po) (en;fr;de) 40 str. (H)
Aeronavtika - Aluminij in aluminijeve in magnezijeve zlitine - Tehnične specifikacije - 1. del: Aluminij in aluminijeve zlitine
Aerospace series - Aluminium and aluminium- and magnesium- alloys - Technical specification - Part 1: Aluminium and aluminium alloy plate
Osnova: EN 4400-1:2019
ICS: 77.120.10, 49.025.20

This European Standard defines the requirements for the ordering, manufacture, testing, inspection and delivery of aluminium and aluminium alloy plate, clad or unclad, supplied in the as-rolled or machined condition. It shall be applied when referred to and in conjunction with the EN material standard unless otherwise specified on the drawing, order or inspection schedule.

SIST EN 4400-2:2019

SIST EN 2070-1:2001
SIST EN 2070-1:2001/A1:2001
SIST EN 2070-2:2001

2019-06 (po) (en;fr;de) 40 str. (H)

Aeronavtika - Aluminij in aluminijeve in magnezijeve zlitine - Tehnične specifikacije - 2. del: Aluminij in aluminijeva pločevina in trak

Aerospace series - Aluminium and aluminium- and magnesium- alloys - Technical specification - Part 2: Aluminium and aluminium alloy sheet and strip

Osnova: EN 4400-2:2019
ICS: 77.150.10, 49.025.20

This European Standard defines the requirements for the ordering, manufacture, testing, inspection and delivery of aluminium and aluminium alloy sheet and strip, clad or unclad. It shall be applied when referred to and in conjunction with the EN material standard unless otherwise specified on the drawing, order or inspection schedule.

SIST EN 4400-3:2019

SIST EN 2070-1:2001
SIST EN 2070-1:2001/A1:2001
SIST EN 2070-3:2001

2019-06 (po) (en;fr;de) 37 str. (H)

Aeronavtika - Aluminij in aluminijeve in magnezijeve zlitine - Tehnične specifikacije - 3. del: Aluminij in aluminijeve palice in profili

Aerospace series - Aluminium and aluminium- and magnesium- alloys - Technical specification - Part 3: Aluminium and aluminium alloy bar and section

Osnova: EN 4400-3:2019
ICS: 77.150.10, 49.025.20

This European Standard defines the requirements for the ordering, manufacture, testing, inspection and delivery of aluminium and aluminium alloy, bar and section, produced by extrusion, rolling or drawing. It shall be applied when referred to and in conjunction with the EN material standard unless otherwise specified on the drawing, order or inspection schedule.

SIST EN 4400-6:2019

SIST EN 2070-1:2001
SIST EN 2070-1:2001/A1:2001
SIST EN 2070-7:2001
SIST EN 2082-1:2001
SIST EN 2082-1:2001/A1:2001
SIST EN 2082-2:2001

2019-06 (po) (en;fr;de) 21 str. (F)

Aeronavtika - Aluminij in aluminijeve in magnezijeve zlitine - Tehnične specifikacije - 6. del: Aluminijevi kovni materiali

Aerospace series - Aluminium and aluminium- and magnesium- alloys - Technical specification - Part 6: Aluminium alloy forging stock

Osnova: EN 4400-6:2019
ICS: 77.120.10, 49.025.20

This European Standard defines the requirements for the ordering, manufacture, testing, inspection and delivery of aluminium alloy wrought forging stock (produced by extrusion or hot rolling) and cast forging stock. It shall be applied when referred to and in conjunction with the EN material standard, normally when the forging stock manufacturer is not the producer of the corresponding forgings.

SIST EN 4726:2019+AC:2019 SIST EN 4726:2019

2019-06 (po) (en;fr;de) 66 str. (K)

Aeronavtika - Prevzemna merila za estetske različice vseh vidnih naprav, vgrajenih v letalske potniške kabine po vseh pogodbenih različicah (vključno s popravkom AC)

Aerospace series - Acceptance parameters of aesthetical variations for all visible equipment installed in aircraft cabins under all contractual variations

Osnova: EN 4726:2018+AC:2019

ICS: 49.095

This document defines the inspection rules and the cosmetic acceptance criteria for surfaces of aircraft cabin equipment. Surfaces will be considered under the aspects of technical feasibility of the industrial design.

This document outlines the framework between airlines, supplier and OEMs with regard to cosmetic issues.

This document aims to:

a) provide the supplier or manufacturer with quality criteria, which need to be met during the production, testing- and quality-inspection-process.

b) guide airline-, OEM- and supplier-quality assurance with a description of cosmetic standards for following inspections:

- supplier internal QA inspection;
- first article inspection;
- source inspection;
- incoming inspection;
- final assembly line, cabin inspection;
- customer presentation.

SIST EN 4859:2019

2019-06 (po) (en;fr;de) 20 str. (E)

Aeronavtika - Uporaba senzorjev za ugotavljanje obremenitve objemke/vijaki z veliko natezno trdnostjo - Tehnična specifikacija

Aerospace series - Sensor based clamp load determination / high tensile bolts - Technical specification

Osnova: EN 4859:2019

ICS: 49.030.20

This document specifies the technical, qualification and quality assurance requirements for sensor based clamp load measurement systems for high tensile bolts and other clamp load sensitive elements. Primarily for aerospace applications, it is applicable to such products when referenced on the product standard or drawing.

SIST EN 6059-402:2019

2019-06 (po) (en;fr;de) 6 str. (B)

Aeronavtika - Električni kabli, namestitev - Zaščitne obojke - Preskusne metode - 402. del: Upogibne lastnosti

Aerospace Series - Electrical cables, installation - Protection sleeves - Test methods - Part 402: Bending properties

Osnova: EN 6059-402:2019

ICS: 29.060.20, 49.060

This European Standard specifies a method to determine the bending properties of protection sleeve for electrical cable and cable bundles. It shall be used together with EN 6059-100.

SIST-TS CEN ISO/TS 21083-2:2019
2019-06 (po) (en;fr;de) 61 str. (K)
Preskusna metoda za merjenje učinkovitosti sredstev za filtriranje zraka, ki vsebuje kroglaste nanomateriale - 2. del: Velikost delcev od 3 nm do 30 nm (ISO/TS 21083-2:2019)
Test method to measure the efficiency of air filtration media against spherical nanomaterials - Part 2: Particle size range from 3 nm to 30 nm (ISO/TS 21083-2:2019)
Osnova: CEN ISO/TS 21083-2:2019
ICS: 91.140.30

This document specifies the testing instruments and procedure for filtration efficiency of flat sheet filter media against airborne nanoparticles in the 3 – 30 nm range.

SIST-TS CEN/TS 17307:2019
2019-06 (po) (en;fr;de) 10 str. (C)
Snov iz izrabljenih avtomobilskih gum - Granulati in praški - Identifikacija elastomerov: odkrivanje piroliznih produktov v raztopinah z uporabo plinske kromatografije in masne spektrometrije
Material derived from End-of-Life tyres - Granulates and powders - Elastomers identification: Gas-chromatography and mass-spectrometric detection of pyrolysis products in solution
Osnova: CEN/TS 17307:2019
ICS: 71.040.50, 83.160.01

This document specifies a method for the identification of the elastomers in granulates or powder derived from End-of-Life Tyres.
The method specified is a qualitative method only.

SIST-TS CEN/TS 17308:2019
2019-06 (po) (en;fr;de) 23 str. (F)
Snov iz izrabljenih avtomobilskih gum - Jeklena žica - Ugotavljanje deleža nekovinskih materialov
Materials produced from end of life tyres - Steel wire - Determination of the non-metallic content
Osnova: CEN/TS 17308:2019
ICS: 83.160.01, 77.140.65

This document provides two different methods for the quantitative estimation of non-metallic content remaining adhered to the steel wire obtained from the recovery of materials from end-of-life tyres.
The pyrolysis method is considered as the reference method while the hydrostatic method is considered as an in-situ method.
This European Standard includes sample collection and the preparation of representative samples based on a sampling plan for the purpose of their characterization.
This European Standard does not cover the operational performance or fitness for use of the materials which are deemed to be a function of agreements between the manufacturer and the customer.
This European Standard does not purport to address all the safety concerns, if any, associated with its use.
This European Standard does not establish appropriate safety and health practices and does not determine the applicability of regulatory limitations prior to its use.

Obvestilo o prevodih že sprejetih slovenskih nacionalnih standardov

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

SIST/TC IDT
Informatika, dokumentacija in splošna terminologija

SIST ISO 639-1:2003
2003-04 (pr) (sl) 34 str. (SH)
Kode za predstavljanje imen jezikov - 1. del: Dvočrkovna koda
Codes for the representation of names of languages – Part 1: Alpha-2 code
Osnova: ISO 639-1:2002
ICS: 01.140.20
Izid prevoda: 2019-06

Ta del standarda ISO 639 vsebuje šifrant z elementi, ki so kode jezikov, sestavljene iz dvočrkovnih identifikatorjev jezikov, s katerimi so predstavljena imena jezikov. Identifikatorji jezikov, ki jih vsebuje ta del standarda ISO 639, so bili sprva oblikovani za rabo v terminologiji, leksikografiji in jezikoslovju, vendar jih je mogoče uporabljati povsod, kjer je treba poimenovati jezike v dvočrkovni obliki, še posebej v računalništvu. Šifrant dvočrkovnih kod je bil zasnovan za praktično uporabo za večino najpomembnejših svetovnih jezikov, ki so pogosto omenjani v svetovni jezikovni produkciji, poleg tega pa zajema tudi znaten delež specializiranih jezikov in terminologij. Ko postane očitno, da obstaja pomembna količina dokumentacije, zapisane v nekem specializiranem jeziku oziroma terminologiji, je mogoče tvoriti tudi dodatne identifikatorje jezikov. Jeziki, namenjeni izključno strojni rabi, kot so na primer programski jeziki, v ta šifrant niso vključeni.

SIST ISO 639-2:2003
2003-04 (pr) (sl) 62 str. (SK)
Kode za predstavljanje imen jezikov - 2. del: Tričrkovna koda
Codes for the representation of names of languages – Part 2: Alpha-3 code
Osnova: ISO 639-2:1998
ICS: 01.140.20
Izid prevoda: 2019-06

Ta del standarda ISO 639 vsebuje dva nabora tričrkovnih kod za predstavitev imen jezikov, enega za terminološko rabo in drugega za bibliografsko rabo. Nabora sta identična, razen za 25 jezikov, ki imajo različne kode jezikov zaradi meril, na podlagi katerih so bile oblikovane (glej 4.1). Kode jezikov so bile sprva oblikovane za rabo v knjižnicah, informacijskih servisih in založbah, ki morajo za izmenjavo informacij navesti jezik dela, še posebej v računalniških sistemih. Njihova uporaba je široko razširjena v knjižnicah, uporabljajo pa jih lahko tudi terminologi in leksikografi povsod tam, kjer je treba jezik označiti s kodo. Šifrant dvočrkovnih kod je bil zasnovan za praktično uporabo za večino najpomembnejših svetovnih jezikov, ki so pogosto omenjani v svetovni jezikovni produkciji. Poleg tega se kode jezikov oblikujejo, kadar postane očitno, da v nekem posameznem jeziku obstaja pomembna količina literature. Jeziki, namenjeni izključno strojni rabi, kot so na primer programski jeziki, v ta seznam niso vključeni.

Razveljavitev slovenskih standardov

SIST/TC	Razveljavljeni dokument	Leto razveljavitve	Zamenjan z dokumentom
IFEK	SIST EN 10283:2010	2019-06	SIST EN 10283:2019
IPMA	SIST EN 15416-3:2017	2019-06	SIST EN 15416-3:2017+A1:2019
IPMA	SIST EN ISO 1183-1:2013	2019-06	SIST EN ISO 1183-1:2019
IPMA	SIST EN ISO 1183-2:2004	2019-06	SIST EN ISO 1183-2:2019
IPMA	SIST EN ISO 14851:2004	2019-06	SIST EN ISO 14851:2019
IPMA	SIST EN ISO 15023-2:2006	2019-06	SIST EN ISO 15023-2:2019
IPMA	SIST EN ISO 2580-2:2004	2019-06	SIST EN ISO 19062-2:2019
IPMA	SIST EN ISO 6402-2:2004	2019-06	SIST EN ISO 19065-2:2019
IPMA	SIST EN ISO 846:1999	2019-06	SIST EN ISO 846:2019
IPMA	SIST-TS CEN/TS 16295:2012	2019-06	SIST EN 17228:2019
ITC	SIST EN ISO 11073-10425:2017	2019-06	SIST EN ISO 11073-10425:2019
ITEK	SIST EN 16511:2014	2019-06	SIST EN 16511:2014+A1:2019
ITEK	SIST EN ISO 10320:1999	2019-06	SIST EN ISO 10320:2019
ITEK	SIST EN ISO 1833-20:2013	2019-06	SIST EN ISO 1833-20:2019
ITEK	SIST EN ISO 1833-6:2011	2019-06	SIST EN ISO 1833-6:2019
ITEK	SIST EN ISO 9092:2011	2019-06	SIST EN ISO 9092:2019
IUSN	SIST EN ISO 17072-1:2011	2019-06	SIST EN ISO 17072-1:2019
IUSN	SIST EN ISO 17072-2:2011	2019-06	SIST EN ISO 17072-2:2019
IUSN	SIST EN ISO 26082-1:2012	2019-06	SIST EN ISO 26082-1:2019
IŽNP	SIST EN 13674-4:2006+A1:2010	2019-06	SIST EN 13674-4:2019
IŽNP	SIST EN 13848-1:2004+A1:2008	2019-06	SIST EN 13848-1:2019
KAV	SIST EN ISO 12010:2014	2019-06	SIST EN ISO 12010:2019
MOV	SIST EN 62591:2010	2019-06	SIST EN 62591:2017
NTF	SIST EN 60909-0:2002	2019-06	SIST EN 60909-0:2016
OTR	SIST EN 71-3:2013+A3:2018	2019-06	SIST EN 71-3:2019
OTR	SIST-TP CEN/TR 15371-2:2018	2019-06	SIST-TP CEN/TR 15371-2:2019
PLN	SIST EN 13611:2015	2019-06	SIST EN 13611:2019
PLN	SIST EN 13611:2015/AC:2016	2019-06	SIST EN 13611:2019
PLN	SIST EN 484:1997	2019-06	SIST EN 484:2019
PLN	SIST EN 521:2006	2019-06	SIST EN 521:2019
STV	SIST DIN 5034-1:1997	2019-06	
STV	SIST DIN 5034-2:1997	2019-06	
STV	SIST DIN 5034-3:1997	2019-06	
STV	SIST DIN 5034-4:1997	2019-06	

SIST/TC	Razveljavljeni dokument	Leto razveljavitve	Zamenjan z dokumentom
STV	SIST DIN 5034-5:1997	2019-06	
STV	SIST DIN 5034-6:1997	2019-06	
STV	SIST EN 12898:2001	2019-06	SIST EN 12898:2019
TLP	SIST EN 12300:1999	2019-06	SIST EN ISO 23208:2019
TLP	SIST EN 12300:1999/A1:2006	2019-06	SIST EN ISO 23208:2019
TLP	SIST EN 12817:2010	2019-06	SIST EN 12817:2019
TLP	SIST EN 12819:2010	2019-06	SIST EN 12819:2019
TLP	SIST EN 13175:2015	2019-06	SIST EN 13175:2019
SS SPL	SIST EN 14504:2016	2019-06	SIST EN 14504:2019
SS SPL	SIST EN 1822-1:2010	2019-06	SIST EN 1822-1:2019
SS SPL	SIST EN 2878:2018	2019-06	SIST EN 2878:2018+AC:2019
SS SPL	SIST EN 2880:2018	2019-06	SIST EN 2880:2018+AC:2019
SS SPL	SIST EN 3155-004:2009	2019-06	SIST EN 3155-004:2019
SS SPL	SIST EN 3155-005:2008	2019-06	SIST EN 3155-005:2019
SS SPL	SIST EN 3155-005:2008/AC:2008	2019-06	SIST EN 3155-005:2019
SS SPL	SIST EN 3645-004:2009	2019-06	SIST EN 3645-004:2019
SS SPL	SIST EN 3645-009:2009	2019-06	SIST EN 3645-009:2019
SS SPL	SIST EN 4726:2019	2019-06	SIST EN 4726:2019+AC:2019
SS SPL	SIST-TP CEN/TR 16815:2016	2019-06	SIST EN 16815:2019
SS SPL	SIST EN 2070-1:2001	2019-06	SIST EN 4400-1:2019 SIST EN 4400-2:2019 SIST EN 4400-3:2019 SIST EN 4400-6:2019
SS SPL	SIST EN 2070-1:2001/A1:2001	2019-06	SIST EN 4400-1:2019 SIST EN 4400-2:2019 SIST EN 4400-3:2019 SIST EN 4400-6:2019
SS SPL	SIST EN 2070-2:2001	2019-06	SIST EN 4400-1:2019 SIST EN 4400-2:2019
SS SPL	SIST EN 2070-3:2001	2019-06	SIST EN 4400-3:2019
SS SPL	SIST EN 2070-7:2001	2019-06	SIST EN 4400-6:2019
SS SPL	SIST EN 2082-1:2001	2019-06	SIST EN 4400-6:2019
SS SPL	SIST EN 2082-1:2001/A1:2001	2019-06	SIST EN 4400-6:2019
SS SPL	SIST EN 2082-2:2001	2019-06	SIST EN 4400-6:2019
SS SPL	SIST EN 3833:2005	2019-06	SIST EN 3833:2019

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CENIK SIST

Št. 1/2007 20. 2. 2017

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

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

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

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

1. Slovenski nacionalni standardi v tujem jeziku

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

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

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

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

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

Slovenski nacionalni standardi v slovenskem jeziku

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

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

Popusti

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

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

Enkraten nakup standardov v skupni vrednosti nad 1.000 EUR	5%

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

2. Publikacije SIST

V cenah je vključen 9,5 % DDV.

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

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

NAROČILNICA ZA SLOVENSKE STANDARDE IN DRUGE PUBLIKACIJE

N – IZO 6/2019

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.