

Hrvatski zavod za norme

Oglasnik za normativne dokumente

2/2018 veljača, 2018.

Oglasnik za normativne dokumente Hrvatskog zavoda za norme sadrži popise hrvatskih norma, nacrtu hrvatskih norma, prijedloga za prihvaćanje stranih norma u izvorniku, povučene hrvatske norme, povučene nacрте hrvatskih norma te ispravke, rezultate europske i međunarodne normizacije razvrstane po predmetnom ustroju i obavijesti HZN-a.

Tko u popisima normativnih dokumenata koji su objavljeni u ovom Oglasniku otkrije koju grešku, koja može voditi do krive primjene, moli se da o tome neodložno obavijesti Hrvatski zavod za norme, kako bi se mogli otkloniti uočeni propusti.

Izdavač:



HZN

Hrvatski zavod za norme
Croatian Standards Institute

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Rezultati hrvatske normizacije

1.1 Hrvatske norme

Temeljem Zakona o normizaciji (Narodne novine 80/2013) hrvatske norme priprema, izdaje i objavljuje Hrvatski zavod za norme, na prijedlog tehničkih odbora.

Hrvatske norme mogu nastati na ova četiri načina:

- prihvaćanjem stranih (međunarodnih/europskih/nacionalnih) norma uz prevođenje na hrvatski jezik (pp)
- prihvaćanjem stranih norma u izvorniku s hrvatskim ovitkom (po)
- prihvaćanjem stranih norma u izvorniku objavom obavijesti o prihvaćanju (pr)
- izradbom izvorne hrvatske norme (izv).

Oznaka načina prihvaćanja navedena je uz referencijsku oznaku hrvatske norme. Hrvatske su norme zainteresiranima na raspolaganju u Normoteci Hrvatskoga zavoda za norme, Ulica grada Vukovara 78, Zagreb.

HZN/TO 21, Protupožarna i vatrogasna oprema

HRN DIN VDE 0833-2:2018 de pr
Sustavi za uzbunjivanje zbog požara, provale i prepada – 2. dio: Zahtjevi za sustave za požarno uzbunjivanje (DIN VDE 0833-2:2017)
Gefahrenmeldeanlagen für Brand, Einbruch und Überfall – Teil 2: Festlegungen für Brandmeldeanlagen (DIN VDE 0833-2:2017)

HRN EN 15004-7:2018 en pr
Stabilni protupožarni sustavi – Sustavi za gašenje plinom – 7. dio: Fizikalna svojstva i projektiranje sustava za gašenje plinom IG-01 (ISO 14520-12:2015, MOD; EN 15004-7:2017)
Fixed firefighting systems – Gas extinguishing systems – Part 7: Physical properties and system design of gas extinguishing systems for IG-01 extinguishant (ISO 14520-12:2015, MOD; EN 15004-7:2017)

HRN EN 15004-9:2018 en pr
Stabilni protupožarni sustavi – Sustavi za gašenje plinom – 9. dio: Fizikalna svojstva i projektiranje sustava za gašenje plinom IG-55 (ISO 14520-14:2015, MOD; EN 15004-9:2017)
Fixed firefighting system – Gas extinguishing systems – Part 9: Physical properties and system design of gas extinguishing systems for IG-55 extinguishant (ISO 14520-14:2015, MOD; EN 15004-9:2017)

HZN/TO 22, Cestovna vozila

HRN EN 1648-1:2018 en pr
Vozila za odmor – Električne instalacije za istosmjernu struju vrlo niskoga napona od 12 V – 1. dio: Prikolice za stanovanje (kamp-prikolice) (EN 1648-1:2018)
Leisure accommodation vehicles – 12 V direct current extra low voltage electrical installations – Part 1: Caravans (EN 1648-1:2018)

HRN EN 1648-2:2018 en pr
Vozila za odmor – Električne instalacije za istosmjernu struju vrlo niskoga napona od 12 V – 2. dio: Motorna vozila za stanovanje (EN 1648-2:2018)
Leisure accommodation vehicles – 12 V direct current extra low voltage electrical installations – Part 2: Motor caravans (EN 1648-2:2018)

HZN/TO 28, Naftni proizvodi i maziva

HRN EN ISO 5165:2018 en pr
Naftni proizvodi – Određivanje sposobnosti paljenja dizelskih goriva – Cetanski broj prema motornoj metodi (ISO 5165:2017; EN ISO 5165:2017)
Petroleum products – Determination of the ignition quality of diesel fuels – Cetane engine method (ISO 5165:2017; EN ISO 5165:2017)

HRN EN 17057:2018 en pr
Goriva za motorna vozila i derivati masti i ulja – Određivanje količine zasićenih monoglicerida u metilnim esterima masnih kiselina (FAME) – Metoda GC-FID (EN 17057:2018)
Automotive fuels and fat and oil derivatives – Determination of saturated monoglycerides content in Fatty Acid methyl Esters (FAME) – Method by GC-FID (EN 17057:2018)

HRN EN ISO 20623:2018 en pr
Nafta i srodni proizvodi – Određivanje svojstava podnošenja visokih tlakova i otpornosti na trošenje tekućina – Metoda četiri kuglice (ISO 20623:2017; EN ISO 20623:2018)
Petroleum and related products – Determination of the extreme-pressure and anti-wear properties of fluids – Four ball method (European conditions) (ISO 20623:2017; EN ISO 20623:2018)

HZN/TO 34, Poljoprivredni i prehrambeni proizvodi

HRN EN ISO 10399:2018 en pr
Senzorske analize – Metodologija – Duo-trio test (ISO 10399:2017; EN ISO 10399:2018)
Sensory analysis – Methodology – Duo-trio test (ISO 10399:2017; EN ISO 10399:2018)

HZN/TO 44, Zavarivanje i srodni postupci

HRN EN ISO 9017:2018 en pr
Razorno ispitivanje zavara metalnih materijala – Ispitivanje lomljenjem (ISO 9017:2017; EN ISO 9017:2018)
Destructive tests on welds in metallic materials – Fracture test (ISO 9017:2017; EN ISO 9017:2018)

HRN EN ISO 13918:2018 en pr
Zavarivanje – Svornjaci i keramički prstenovi za elektroručno zavarivanje svornjaka (ISO 13918:2017; EN ISO 13918:2018)
Welding – Studs and ceramic ferrules for arc stud welding (ISO 13918:2017; EN ISO 13918:2018)

HRN EN ISO 14114:2018 en pr
Oprema za plinsko zavarivanje – Acetilenski razdjelni sustavi za zavarivanje, rezanje i srodne postupke – Opći zahtjevi (ISO 14114:2017; EN ISO 14114:2018)
Gas welding equipment – Acetylene manifold systems for welding, cutting and allied processes – General requirements (ISO 14114:2017; EN ISO 14114:2018)

HRN EN ISO 15653:2018 en pr
Metalni materijali – Metoda ispitivanja za određivanje nazovistatične lomne žilavosti zavara (ISO 15653:2018; EN ISO 15653:2018)
Metallic materials – Method of test for the determination of quasistatic fracture toughness of welds (ISO 15653:2018; EN ISO 15653:2018)

HRN EN ISO 17633:2018 en pr
Dodatni i potrošni materijali za zavarivanje – Žice punjene praškom i šipke za elektroručno zavarivanje sa zaštitnim plinom i bez zaštitnog plina za nehrđajuće čelike i čelike otporne na visoke temperature – Razredba (ISO 17633:2017; EN ISO 17633:2018)
Welding consumables – Tubular cored electrodes and rods for gas shielded and non-gas shielded metal arc welding of stainless and heat-resisting steels – Classification (ISO 17633:2017; EN ISO 17633:2018)

HZN/TO 46, Bibliotekarstvo, dokumentacija i informacije

HRN ISO 2108:2018 en pr
Informacije i dokumentacija – Međunarodni standardni knjižni broj (ISBN) (ISO 2108:2017)
Information and documentation – International Standard Book Number (ISBN) (ISO 2108:2017)

HRN ISO 3297:2018 en pr
Informacije i dokumentacija – Međunarodni standardni broj serijske publikacije (ISSN) (ISO 3297:2017)
Information and documentation – International standard serial number (ISSN) (ISO 3297:2017)

HRN ISO 5127:2018 en pr
Informacije i dokumentacija – Osnove i terminološki rječnik (ISO 5127:2017)
Information and documentation – Foundation and vocabulary (ISO 5127:2017)

HZN/TO 92, Zaštita od požara

HRN EN 1634-1:2014 en pr
Ispitivanje otpornosti na požar i kontrolu dima vrata i sklopova za zatvaranje, prozora koji se mogu otvarati i elemenata zgrade – 1. dio: Ispitivanje otpornosti na požar vrata i sklopova za zatvaranje i prozora koji se mogu otvarati (EN 1634-1:2014+A1:2018)
Fire resistance and smoke control tests for door and shutter assemblies, openable windows and elements of building hardware – Part 1: Fire resistance test for door and shutter assemblies and openable windows (EN 1634-1:2014+A1:2018)

HZN/TO 130, *Grafička tehnologija*

HRN ISO 12636:2018 en pr
Grafička tehnologija – Gumirane navlake u ofsetnom tisku (ISO 12636:2018)
Graphic technology – Blankets for offset printing (ISO 12636:2018)

HZN/TO 134, *Gnojiva i poboljšivači tla*

HRN EN 16962:2018 en pr
Gnojiva – Ekstrakcija vodotopivih mikrohranjiva u gnojivima i uklanjanje organskih spojeva iz ekstrakta gnojiva (EN 16962:2018)
Fertilizers – Extraction of water soluble micro-nutrients in fertilizers and removal of organic compounds from fertilizer extracts (EN 16962:2018)

HRN EN 16963:2018 en pr
Gnojiva – Određivanje bora, kobalta, bakra, željeza, mangana, molibdena i cinka tehnikom ICP-AES (EN 16963:2018)
Fertilizers – Determination of boron, cobalt, copper, iron, manganese, molybdenum and zinc using ICP-AES (EN 16963:2018)

HRN EN 16964:2018 en pr
Gnojiva – Ekstrakcija ukupnih mikrohranjiva u gnojivima zlatotopkom (EN 16964:2018)
Fertilizers – Extraction of total micro-nutrients in fertilizers using aqua regia (EN 16964:2018)

HRN EN 16965:2018 en pr
Gnojiva – Određivanje kobalta, bakra, željeza, mangana i cinka plamenom atomskom apsorpcijskom spektrometrijom (FAAS) (EN 16965:2018)
Fertilizers – Determination of cobalt, copper, iron, manganese and zinc using flame atomic absorption spectrometry (FAAS) (EN 16965:2018)

HZN/TO 136, *Namještaj*

HRN EN 1116:2018 en pr
Namještaj – Kuhinjski namještaj – Usklađene dimenzije za kuhinjski namještaj i kuhinjske uređaje (EN 1116:2018)
Furniture – Kitchen furniture – Coordinating sizes for kitchen furniture and kitchen appliances (EN 1116:2018)

HZN/TO 145, *Grafički simboli*

HRN ISO 16069:2018 en pr
Grafički simboli – Znakovi sigurnosti – Sustavi označivanja putova za evakuaciju (SWGS) (ISO 16069:2017)
Graphical symbols – Safety signs – Safety way guidance systems (SWGS) (ISO 16069:2017)

HRN ISO 23601:2018 en pr
Sigurnosno označivanje – Oznake planova spašavanja i evakuacije (ISO 23601:2009)
Safety identification – Escape and evacuation plan signs (ISO 23601:2009)

HRN ISO 28564-1:2018 en pr
Sustavi usmjeravanja u javnim prostorima – 1. dio: Načela oblikovanja i zahtjevi za planove lokacija, mape i dijagrame (ISO 28564-1:2010)
Public information guidance systems – Part 1: Design principles and element requirements for location plans, maps and diagrams (ISO 28564-1:2010)

HRN ISO 28564-2:2018 en pr
Sustavi usmjeravanja u javnim prostorima – 2. dio: Smjernice za oblikovanje i primjenu oznaka lokacije i oznaka smjera kretanja (ISO 28564-2:2016)
Public information guidance systems – Part 2: Guidelines for the design and use of location signs and direction signs (ISO 28564-2:2016)

HZN/TO 147, *Kvaliteta vode*

HRN EN ISO 7393-2:2018 en pr
Kvaliteta vode – Određivanje slobodnoga i ukupnoga klora – 2. dio: Kolorimetrijska metoda s N,N-dietil-1,4-fenilendiaminom u svrhu rutinske kontrole (ISO 7393-2:2017; EN ISO 7393-2:2018)
Water quality – Determination of free chlorine and total chlorine – Part 2: Colorimetric method using N,N-diethyl-1,4-phenylenediamine, for routine control purposes (ISO 7393-2:2017; EN ISO 7393-2:2018)

HZN/TO 172, *Optika i optički instrumenti*

HRN EN ISO 8596:2018 en pr
Oftalmološka optika – Ispitivanje oštine vida – Standardni i klinički optotipovi i njihovo prikazivanje (ISO 8596:2017; EN ISO 8596:2018)
Ophthalmic optics – Visual acuity testing – Standard and clinical optotypes and their presentation (ISO 8596:2017; EN ISO 8596:2018)

HZN/TO 207, *Upravljanje okolišem*

HRS CEN ISO/TS 14027:2018 en pr
Znakovi i izjave o zaštiti okoliša – Razrada pravila za kategorije proizvoda (ISO/TS 14027:2017; CEN ISO/TS 14027:2018)
Environmental labels and declarations – Development of product category rules (ISO/TS 14027:2017; CEN ISO/TS 14027:2018)

HRN EN ISO 14044:2008/A1:2018 en pr
Upravljanje okolišem – Procjena životnog ciklusa (LCA) – Zahtjevi i smjernice (ISO 14044:2006/Amd 1:2017; EN ISO 14044:2006/A1:2018)
Environmental management – Life cycle assessment – Requirements and guidelines (ISO 14044:2006/Amd 1:2017; EN ISO 14044:2006/A1:2018)

HZN/TO 215, *Medicinska informatika*

HRN EN ISO 11073-10424:2016/Ispr.1:2018 en pr
Medicinska informatika – Povezivost osobnoga medicinskog uređaja – 10424. dio: Namjena uređaja – Uređaj za pomoć pri disanju kod apneje u snu – Tehnički ispravak 1 (ISO/IEEE 11073-10424:2016/Cor 1:2018; EN ISO 11073-10424:2016/AC:2018)
Health informatics – Personal health device communication – Part 10424: Device specialization – Sleep apnoea breathing therapy equipment (SABTE) – Technical Corrigendum 1 (ISO/IEEE 11073-10424:2016/Cor 1:2018; EN ISO 11073-10424:2016/AC:2018)

HZN/TO 218, *Drvo*

HRN EN 1309-3:2018 en pr
Oblo i piljeno drvo – Metode mjerenja – 3. dio: Značajke i biološka oštećenja (EN 1309-3:2018)
Round and sawn timber – Methods of measurements – Part 3: Features and biological degradations (EN 1309-3:2018)

HRS CEN/TS 15119-1:2018 en pr
Trajnost drva i proizvoda na osnovi drva – Određivanje emisije iz drva tretiranog sredstvima za zaštitu u okolinu – 1. dio: Drvo koje se drži na stovarištu nakon tretiranja i drvena roba izložena u razredu uporabe 3 (nepokriveno, nije u kontaktu s tlom) – Laboratorijska metoda (CEN/TS 15119-1:2018)
Durability of wood and wood-based products – Determination of emissions from preservative treated wood to the environment – Part 1: Wood held in the storage yard after treatment and wooden commodities exposed in Use Class 3 (not covered; not in contact with the ground) – Laboratory method (CEN/TS 15119-1:2018)

HZN/TO 219, *Podne obloge*

HRN EN ISO 10582:2018 en pr
Elastične podne obloge – Nehomogene polivinil-kloridne podne obloge – Specifikacije (ISO 10582:2017; EN ISO 10582:2018)
Resilient floor coverings – Heterogeneous poly(vinyl chloride) floor covering – Specifications (ISO 10582:2017; EN ISO 10582:2018)

HRN EN 14041:2018 en pr
Elastične, tekstilne, laminatne i modularne višeslojne podne obloge – Bitne značajke (EN 14041:2018)
Resilient, textile, laminate and modular multilayer floor coverings – Essential characteristics (EN 14041:2018)

HZN/TO 503, Metalni materijali

HRN EN ISO 3887:2018 en pr
Čelici – Određivanje dubine razugljčenja (ISO 3887:2017; EN ISO 3887:2018)
Steels – Determination of the depth of decarburization (ISO 3887:2017; EN ISO 3887:2018)

HZN/TO 508, Ambalaža i pakiranje

HRN ISO 15394:2018 en pr
Ambalaža – Bar kod i dvodimenzijски simboli etiketa za otpremu, prijevoz i primitak (ISO 15394:2017)
Packaging – Bar code and two-dimensional symbols for shipping, transport and receiving labels (ISO 15394:2017)

HZN/TO 509, Cestovna oprema

HRN EN 1436:2018 en pr
Materijali za oznake na kolniku – Značajke nužne za korisnike ceste i metode ispitivanja (EN 1436:2018)
Road marking materials – Road marking performance for road users and test methods (EN 1436:2018)

HZN/TO 513, Mjerne jedinice i mjerila

HRI ISO/TR 15377:2018 en pr
Mjerenje protoka fluida uređajima za mjerenje razlike tlaka – Smjernice za specifikaciju mjernih prigušnica, sapnica i Venturijevih cijevi izvan područja primjene norme ISO 5167 (ISO/TR 15377:2018)
Measurement of fluid flow by means of pressure-differential devices – Guidelines for the specification of orifice plates, nozzles and Venturi tubes beyond the scope of ISO 5167 (ISO/TR 15377:2018)

HRN ISO 18481:2018 en pr
Hidrometrija – Mjerenje protoka tekućina metodom izlazne (krajnje) dubine u kanalima sa slobodnim prelijevanjem (ISO 18481:2017)
Hydrometry – Liquid flow measurement using end depth method in channels with a free overfall (ISO 18481:2017)

HZN/TO 528, Oprema za željeznice

HRN EN 15654-1:2018 en pr
Željeznički sustav – Mjerenje vertikalnih sila na kotačima i osovinским sklopovima – 1. dio: Mjerni uređaji na kolosijeku za vozila u uporabi (EN 15654-1:2018)
Railway applications – Measurement of vertical forces on wheels and wheelsets – Part 1: On-track measurement sites for vehicles in service (EN 15654-1:2018)

HZN/TO 529, Granici, dizalice i prenosila neprekidne dobave

HRN ISO 4309:2018 en pr
Granici – Čelična užad – Zaštita i održavanje, pregled i odbacivanje (ISO 4309:2017)
Cranes – Wire ropes – Care and maintenance, inspection and discard (ISO 4309:2017)

HZN/TO 531, Plastika i guma

HRN EN 477:2018 en pr
Plastika – Profili na osnovi poli(vinil-klorida) (PVC) – Određivanje otpornosti glavnih profila na udar padajućeg tijela (EN 477:2018)
Plastics – Poly(vinyl chloride) (PVC) based profiles – Determination of the resistance to impact of profiles by falling mass (EN 477:2018)

HRN EN 478:2018 en pr
Profili od neomekšanog poli(vinil-klorida) (PVC-U) – Izgled nakon izlaganja na 150 °C – Metode ispitivanja (EN 478:2018)
Unplasticized poly(vinyl chloride) (PVC-U) profiles – Appearance after exposure at 150 °C – Test method (EN 478:2018)

HRN EN 479:2018 en pr
Profili od neomekšanog poli(vinil-klorida) (PVC-U) – Određivanje skupljanja na toplini (EN 479:2018)
Unplasticized poly(vinyl chloride) (PVC-U) profiles – Determination of heat reversion (EN 479:2018)

HRN EN 514:2018 en pr
Plastika – Profili na osnovi poli(vinil-klorida) (PVC) – Određivanje čvrstoće zavarenih uglova i T-spojeva (EN 514:2018)
Plastics – Poly(vinyl chloride) (PVC) based profiles – Determination of the strength of welded corners and T-joints (EN 514:2018)

HRN EN ISO 8028:2018 en pr
Gumena i/ili plastična crijeva i crijevni uređaji za bezračno prskanje boje – Specifikacija (ISO 8028:2017; EN ISO 8028:2018)
Rubber and/or plastics hoses and hose assemblies for airless paint spraying – Specification (ISO 8028:2017; EN ISO 8028:2018)

HRN EN 17033:2018 en pr
Plastika – Biorazgradivi filmovi za malčiranje za uporabu u poljoprivredi i vrtlarstvu – Zahtjevi i metode ispitivanja (EN 17033:2018)
Plastics – Biodegradable mulch films for use in agriculture and horticulture – Requirements and test methods (EN 17033:2018)

HRN EN ISO 18830:2018 en pr
Plastika – Određivanje aerobne biorazgradnje plutajućih plastičnih materijala u sučelju morska voda/pješčani sedimenti – Metoda mjerenja zahtjeva za kisikom u zatvorenom respirometru (ISO 18830:2016; EN ISO 18830:2017)
Plastics – Determination of aerobic biodegradation of non-floating plastic materials in a seawater/sandy sediment interface – Method by measuring the oxygen demand in closed respirometer (ISO 18830:2016; EN ISO 18830:2017)

HZN/TO 533, Kolničke konstrukcije

HRN EN 12697-10:2018 en pr
Bitumenske mješavine – Metode ispitivanja za asfalt proizveden vrućim postupkom – 10. dio: Ugradljivost (EN 12697-10:2017)
Bituminous mixtures – Test methods for hot mix asphalt – Part 10: Compactability (EN 12697-10:2017)

HZN/TO 537, Tehnički crteži, dimenzijske i geometrijske specifikacije, opis proizvoda i odgovarajuća dokumentacija

HRN EN ISO 6412-1:2018 en pr
Tehnička dokumentacija proizvoda – Pojednostavljeni prikaz cjevovoda – 1. dio: Opća pravila i ortogonalni prikaz (ISO 6412-1:2017; EN ISO 6412-1:2018)
Technical product documentation – Simplified representation of pipelines – Part 1: General rules and orthogonal representation (ISO 6412-1:2017; EN ISO 6412-1:2018)

HRN EN ISO 6412-2:2018 en pr
Tehnička dokumentacija proizvoda – Pojednostavljeni prikaz cjevovoda – 2. dio: Izometrijska projekcija (ISO 6412-2:2017; EN ISO 6412-2:2018)
Technical product documentation – Simplified representation of pipelines – Part 2: Isometric projection (ISO 6412-2:2017; EN ISO 6412-2:2018)

HRN EN ISO 6412-3:2018 en pr
Tehnička dokumentacija proizvoda – Pojednostavljeni prikaz cjevovoda – 3. dio: Značajke završetaka ventilacijskih i odvodnih sustava (ISO 6412-3:2017; EN ISO 6412-3:2018)
Technical product documentation – Simplified representation of pipelines – Part 3: Terminal features of ventilation and drainage systems (ISO 6412-3:2017; EN ISO 6412-3:2018)

HRN EN ISO 17450-4:2018 en pr
Geometrijske specifikacije proizvoda (GSP) – Osnovni pojmovi – 4. dio: Geometrijska svojstva za kvantifikaciju GSP devijacije (ISO 17450-4:2017; EN ISO 17450-4:2018)
Geometrical product specifications (GPS) – Basic concepts – Part 4: Geometrical characteristics for quantifying GPS deviation (ISO 17450-4:2017; EN ISO 17450-4:2018)

HZN/TO 546, Očuvanje kulturne baštine

HRN EN 15759-2:2018 en pr
Očuvanje kulturne baštine – Unutarnja mikroklima – 2. dio: Upravljanje ventilacijom radi zaštite graditeljske baštine i zbirki (EN 15759-2:2018)
Conservation of cultural heritage – Indoor climate – Part 2: Ventilation management for the protection of cultural heritage buildings and collections (EN 15759-2:2018)

HZN/TO 554, *Obrada otpadnih voda*

HRN EN 16941-1:2018 en pr
Sustavi za prikupljanje nepitke vode koja se upotrebljava na licu mjesta – 1. dio: Sustavi za uporabu kišnice (EN 16941-1:2018)
On-site non-potable water systems – Part 1: Systems for the use of rainwater (EN 16941-1:2018)

HZN/TO 555, *Medicinski proizvodi*

HRN EN ISO 11737-1:2018 en pr
Sterilizacija medicinskoga pribora – Mikrobiološke metode – 1. dio: Određivanje vrste i broja mikroorganizama na proizvodima (ISO 11737-1:2018; EN ISO 11737-1:2018)
Sterilization of health care products – Microbiological methods – Part 1: Determination of a population of microorganisms on product (ISO 11737-1:2018; EN ISO 11737-1:2018)

HZN/TO 560, *Tekstilni proizvodi*

HRN EN ISO 3175-1:2018 en pr
Tekstil – Profesionalna njega, kemijsko čišćenje i mokro čišćenje tkanina i odjevnih predmeta – 1. dio: Ocjenjivanje učinka čišćenja i oplemenjivanja (ISO 3175-1:2017; EN ISO 3175-1:2018)
Textiles – Professional care, drycleaning and wetcleaning of fabrics and garments – Part 1: Assessment of performance after cleaning and finishing (ISO 3175-1:2017; EN ISO 3175-1:2018)

HRN EN ISO 3175-2:2018 en pr
Tekstil – Profesionalna njega, kemijsko čišćenje i mokro čišćenje tkanina i odjevnih predmeta – 2. dio: Postupak ispitivanja učinka čišćenja i oplemenjivanja tetrakloretilenom (ISO 3175-2:2017; EN ISO 3175-2:2018)
Textiles – Professional care, drycleaning and wetcleaning of fabrics and garments – Part 2: Procedure for testing performance when cleaning and finishing using tetrachloroethene (ISO 3175-2:2017; EN ISO 3175-2:2018)

HRN EN ISO 3175-3:2018 en pr
Tekstil – Profesionalna njega, kemijsko čišćenje i mokro čišćenje plošnih tekstila i odjevnih predmeta – 3. dio: Postupak za ispitivanje djelovanja ugljikovodikovih otapala pri čišćenju i oplemenjivanju (ISO 3175-3:2017; EN ISO 3175-3:2018)
Textiles – Professional care, drycleaning and wetcleaning of fabrics and garments – Part 3: Procedure for testing performance when cleaning and finishing using hydrocarbon solvent (ISO 3175-3:2017; EN ISO 3175-3:2018)

HZN/TO 562, *Alatni strojevi i alati*

HRN EN 12013:2018 en pr
Strojevi za gumu i plastiku – Unutrašnje mješalice – Sigurnosni zahtjevi (EN 12013:2018)
Plastics and rubber machines – Internal mixers – Safety requirements (EN 12013:2018)

HRN EN ISO 19085-8:2018 en pr
Strojevi za obradu drva – Sigurnost – 8. dio: Tračne brusilice za kalibriranje za ravne obratke (ISO 19085-8:2017; EN ISO 19085-8:2018)
Woodworking machines – Safety – Part 8: Belt sanding and calibrating machines for straight workpieces (ISO 19085-8:2017; EN ISO 19085-8:2018)

HZN/TO 563, *Sigurnost strojeva*

HRN EN ISO 14118:2018 en pr
Sigurnost strojeva – Sprječavanje neočekivanog pokretanja (ISO 14118:2017; EN ISO 14118:2018)
Safety of machinery – Prevention of unexpected start-up (ISO 14118:2017; EN ISO 14118:2018)

HZN/TO 569, *Hrana za životinje*

HRN EN 17053:2018 en pr
Hrana za životinje: Metode uzorkovanja i analize – Određivanje elemenata u tragovima, teških metala i ostalih elemenata u hrani metodom ICP-MS (multimetoda) (EN 17053:2018)
Animal feeding stuffs: Methods of sampling and analysis – Determination of trace elements, heavy metals and other elements in feed by ICP-MS (multi-method) (EN 17053:2018)

HZN/TO 571, *Sport, igrališta i ostali rekreacijski sadržaji i oprema*

HRN ISO 6003:2018 en pr
Skije za alpsko skijanje – Određivanje mase i polarnog momenta inercije – Laboratorijska metoda mjerenja (ISO 6003:2017)
Alpine skis – Determination of mass and polar moment of inertia – Laboratory measurement method (ISO 6003:2017)

HRN ISO 7138:2018 en pr
Skije za skijaško trčanje – Određivanje mase i položaja točke ravnoteže (ISO 7138:2017)
Cross-country skis – Determination of mass and location of balance point (ISO 7138:2017)

HRN ISO 7139:2018 en pr
Skije za skijaško trčanje – Određivanje elastičnih svojstava (ISO 7139:2017)
Cross-country skis – Determination of elastic properties (ISO 7139:2017)

HRN ISO 7798:2018 en pr
Skije za skijaško trčanje – Određivanje indeksa zamora materijala – Test cikličkog opterećenja (ISO 7798:2017)
Cross-country skis – Determination of fatigue indexes – Cyclic loading test (ISO 7798:2017)

HRN ISO 8364:2018 en pr
Skije za alpsko skijanje i vezovi – Površina za montažu veza – Zahtjevi i metode ispitivanja (ISO 8364:2017)
Alpine skis and bindings – Binding mounting area – Requirements and test methods (ISO 8364:2017)

HRN ISO 10045:2018 en pr
Skije za alpsko skijanje – Površina za montažu veza – Zahtjevi za vijke koji se upotrebljavaju za ispitivanje (ISO 10045:2017)
Alpine skis – Binding mounting area – Requirements for test screws (ISO 10045:2017)

HRN ISO 11416:2018 en pr
Teniski reketi – Dijelovi reketa i fizički parametri (ISO 11416:1995)
Tennis rackets – Racket components and physical parameters (ISO 11416:1995)

HRN EN 16579:2018 en pr
Oprema za sportska igrališta – Prijenosni i učvršćeni golovi – Funkcionalni i sigurnosni zahtjevi i metode ispitivanja (EN 16579:2018)
Playing field equipment – Portable and permanent socketed goals – Functional, safety requirements and test methods (EN 16579:2018)

HZN/TO E9, *Električna oprema za željeznicu*

HRN EN 50239:2018 en pr
Željeznički sustav – Sustav radijskog daljinskog upravljanja vučnim vozilom za manevriranje (EN 50239:2018)
Railway applications – Radio remote control system of traction vehicle for shunting traffic (EN 50239:2018)

HRN EN 50562:2018 en pr
Željeznički sustav – Stabilna postrojenja – Postupak, zaštitne mjere i demonstracija sigurnosti za sustave električne vuče (EN 50562:2018)
Railway applications – Fixed installations – Process, protective measures and demonstration of safety for electric traction systems (EN 50562:2018)

HZN/TO E13, *Oprema za mjerenje električne energije te upravljanje tarifom i potrošnjom*

HRN EN 62056-8-5:2018 en pr
Razmjena podataka mjerenja električne energije – Oprema DLMS/COSEM (Device Language Message Specification / Companion Specification for Energy Metering) – Dio 8-5: Uskopojasni komunikacijski profil OFDM G3-PLC za susjedne mreže (IEC 62056-8-5:2017; EN 62056-8-5:2017)
Electricity metering data exchange – The DLMS/COSEM suite – Part 8-5: Narrow-band OFDM G3-PLC communication profile for neighbourhood networks (IEC 62056-8-5:2017; EN 62056-8-5:2017)

HRN EN 62056-8-5:2018/Ispr.1:2018 en pr
Razmjena podataka mjerenja električne energije – Oprema DLMS/COSEM (Device Language Message Specification /Companion Specification for Energy Metering) – Dio 8-5: Uskopoljasni komunikacijski profil OFDM G3-PLC za susjedne mreže (IEC 62056-8-5:2017/Corr.1:2017; EN 62056-8-5:2017/AC:2018)
Electricity metering data exchange – The DLMS/COSEM suite – Part 8-5: Narrow-band OFDM G3-PLC communication profile for neighbourhood networks (IEC 62056-8-5:2017/Corr.1:2017; EN 62056-8-5:2017/AC:2018)

HZN/TO E14, Energetski transformatori

HRN EN 50629:2015/A2:2018 en pr
Energetske značajke velikih energetskih transformatora najvišeg napona većeg od 36 kV ili nazivne snage veće ili jednake 40 MVA (EN 50629:2015/A2:2018)
Energy performance of large power transformers (Um > 36 kV or Sr ≥ 40 MVA) (EN 50629:2015/A2:2018)

HZN/TO E15, Čvrsti elektrotehnički izolacijski materijali

HRN EN 60674-2:2017/Ispr.1:2018 en pr
Specifikacija za plastične folije za elektrotehničke svrhe – 2. dio: Metode ispitivanja (IEC 60674-2:2016/Corr.1:2017; EN 60674-2:2017/AC:2018)
Specification for plastic films for electrical purposes – Part 2: Methods of test (IEC 60674-2:2016/Corr.1:2017; EN 60674-2:2017/AC:2018)

HRN EN IEC 62677-1:2018 en pr
Toplinski skupljajući lijevani oblici za niski i srednji napon – 1. dio: Opći zahtjevi (IEC 62677-1:2017; EN IEC 62677-1:2018)
Heat shrinkable low and medium voltage moulded shapes – Part 1: General requirements (IEC 62677-1:2017; EN IEC 62677-1:2018)

HRN EN IEC 62677-2:2018 en pr
Toplinski skupljajući lijevani oblici za niski i srednji napon – 2. dio: Metode ispitivanja (IEC 62677-2:2017; EN IEC 62677-2:2018)
Heat shrinkable low and medium voltage moulded shapes – Part 2 Methods of test (IEC 62677-2:2017; EN IEC 62677-2:2018)

HZN/TO E17, Sklopni i upravljački uređaji

HRN EN IEC 62271-110:2018 en pr
Visokonaponska sklopna aparatura – 110. dio: Sklapanje induktivnih tereta (IEC 62271-110:2017; EN IEC 62271-110:2018)
High-voltage switchgear and controlgear – Part 110: Inductive load switching (IEC 62271-110:2017; EN IEC 62271-110:2018)

HZN/TO E22, Energetska elektronika

HRN EN IEC 62909-1:2018 en pr
Dvosmjerno mrežno spojeni energetski pretvarači – 1. dio: Opći zahtjevi (IEC 62909-1:2017; EN IEC 62909-1:2018)
Bi-directional grid connected power converters – Part 1: General requirements (IEC 62909-1:2017; EN IEC 62909-1:2018)

HRN EN 62927:2017/Ispr.1:2018 en pr
Naponski izvor pretvarača ventila za statičke sinkrone kompenzatore (STATCOM) – Električna ispitivanja (IEC 62927:2017/Corr.1:2017; EN 62927:2017/AC:2018)
Voltage sourced converter (VSC) valves for static synchronous compensator (STATCOM) – Electrical Testing (IEC 62927:2017/Corr.1:2017; EN 62927:2017/AC:2018)

HZN/TO E31, Eksplozivne atmosfere

HRN EN 14460:2018 en pr
Oprema otporna na eksploziju (EN 14460:2018)
Explosion resistant equipment (EN 14460:2018)

HZN/TO E61, Sigurnost električnih kućanskih i sličnih aparata

HRN EN 50569:2014/A1:2018 en pr
Kućanski i slični električni aparati – Sigurnost – Posebni zahtjevi za ugostiteljske električne centrifuge rublja (EN 50569:2013/A1:2018)
Household and similar electrical appliances – Safety – Particular requirements for commercial electric spin extractors (EN 50569:2013/A1:2018)

HRN EN 50570:2014/A1:2018 en pr
Kućanski i slični električni aparati – Sigurnost – Posebni zahtjevi za komercijalne električne bubnjaste sušilice rublja (EN 50570:2013/A1:2018)
Household and similar electrical appliances – Safety – Particular requirements for commercial electric tumble dryers (EN 50570:2013/A1:2018)

HRN EN 50571:2014/A1:2018 en pr
Kućanski i slični električni aparati – Sigurnost – Posebni zahtjevi za komercijalne električne perilice rublja (EN 50571:2013/A1:2018)
Household and similar electrical appliances – Safety – Particular requirements for commercial electric washing machines (EN 50571:2013/A1:2018)

HZN/TO E78, Rad pod naponom

HRN EN 50321-1:2018 en pr
Rad pod naponom – Obuća za električnu zaštitu – Izolacijska obuća i nadčizme (EN 50321-1:2018)
Live working – Footwear for electrical protection – Insulating footwear and overboots (EN 50321-1:2018)

HZN/TO E79, Alarmni sustavi

HRN EN IEC 62820-2:2018 en pr
Sustavi za internu komunikaciju u zgradi – 2. dio: Zahtjevi za napredne sigurnosne sustave komunikacije u zgradi (IEC 62820-2:2017; EN IEC 62820-2:2018)
Building intercom systems – Part 2: Requirements for advanced security building intercom systems (ASBIS) (IEC 62820-2:2017; EN IEC 62820-2:2018)

HZN/TO E106, Elektromagnetska polja u ljudskome okolišu

HRN EN 50364:2018 en pr
Norma proizvoda za određivanje izloženosti ljudi elektromagnetskim poljima uređaja koji rade u frekvencijskom području od 0 Hz do 300 GHz te se koriste za elektroničku kontrolu proizvoda, radiofrekvencijsku identifikaciju i slične primjene (EN 50364:2018)
Product standard for human exposure to electromagnetic fields from devices operating in the frequency range 0 Hz to 300 GHz, used in Electronic Article Surveillance (EAS), Radio Frequency Identification (RFID) and similar applications (EN 50364:2018)

HZN/TO E500, Elektromagnetska kompatibilnost u elektrotehnici i telekomunikacijama

HRN EN 55016-1-2:2014/A1:2018 en pr
Specifikacija uređaja i metoda za mjerenje radiosmetnja i otpornosti – Dio 1-2: Uređaji za mjerenje radiosmetnja i otpornosti – Vezni uređaji za mjerenja emisije vođenih smetnji (CISPR 16-1-2:2014/am1:2017; EN 55016-1-2:2014/A1:2018)
Specification for radio disturbance and immunity measuring apparatus and methods – Part 1-2: Radio disturbance and immunity measuring apparatus – Coupling devices for conducted disturbance measurements (CISPR 16-1-2:2014/am1:2017; EN 55016-1-2:2014/A1:2018)

HRN EN 61000-6-5:2015/Ispr.1:2018 en pr
Elektromagnetska kompatibilnost (EMC) – Dio 6-5: Norme srodnih područja – Otpornost za opremu koja se upotrebljava u okruženju elektrane i pripadajućih postrojenja (IEC 61000-6-5:2015/Corr.1:2017; EN 61000-6-5:2015/AC:2018)
Electromagnetic compatibility (EMC) – Part 6-5: Generic standards – Immunity for equipment used in power station and substation environment (IEC 61000-6-5:2015/Corr.1:2017; EN 61000-6-5:2015/AC:2018)

HZN/TO E501, Elektroakustika i ultrazvuk

HRN EN 62359:2012/A1:2018 en pr
Ultrazvuk – Određivanje svojstava polja – Metode ispitivanja za određivanje toplinskih i mehaničkih pokazatelja povezanih s medicinskim dijagnostičkim ultrazvučnim poljima (IEC 62359:2010/am1:2017; EN 62359:2011/A1:2018)
Ultrasonics – Field characterization – Test methods for the determination of thermal and mechanical indices related to medical diagnostic ultrasonic fields (IEC 62359:2010/am1:2017; EN 62359:2011/A1:2018)

HZN/TU A1, Usluge, proizvodi za kućanstvo i slobodno vrijeme 1

HRN EN 131-3:2018 en pr
Ljestve – 3. dio: Označavanje i upute za uporabu
(EN 131-3:2018)
Ladders – Part 3: Marking and user instruction
(EN 131-3:2018)

HZN/TU C1, Kemikalije, kemijsko inženjerstvo, poljoprivredni i prehrambeni proizvodi 1

HRN EN ISO 6270-1:2018 en pr
Boje i lakovi – Određivanje otpornosti na vlagu – 1. dio:
Kondenzacija (jednostrana izloženost) (ISO 6270-1:2017;
EN ISO 6270-1:2018)
Paints and varnishes – Determination of resistance to
humidity – Part 1: Condensation (single-sided exposure)
(ISO 6270-1:2017; EN ISO 6270-1:2018)

HRN EN ISO 6270-2:2018 en pr
Boje i lakovi – Određivanje otpornosti na vlagu – 2. dio:
Kondenzacija (izloženost u klimatskoj komori sa spremnikom
zagrijane vode) (ISO 6270-2:2017; EN ISO 6270-2:2018)
Paints and varnishes – Determination of resistance to humidity
– Part 2: Condensation (in-cabinet exposure with heated
water reservoir) (ISO 6270-2:2017; EN ISO 6270-2:2018)

HRN EN 15773:2018 en pr
Industrijska primjena praškastih organskih prekrivnih
materijala na čelične proizvode pocinčane vrućim uranjanjem
(dubinska galvanizacija) ili šerardiziranjem čeličnih proizvoda
[duplex sustavi] – Specifikacije, preporuke i smjernice
(EN 15773:2018)
Industrial application of powder organic coatings to hot dip
galvanized or sherardized steel articles [duplex systems]
– Specifications, recommendations and guidelines
(EN 15773:2018)

HZN/TU I2, Strojarstvo 2

HRN EN 474-1:2018 en pr
Strojevi za zemljane radove – Sigurnost – 1. dio: Opći zahtjevi
(EN 474-1:2006+A5:2018)
Earth-moving machinery – Safety – Part 1: General
requirements (EN 474-1:2006+A5:2018)

HZN/TU S1, Zdravlje, okoliš i medicinska oprema 1

HRN EN ISO 8536-14:2018 en pr
Oprema za infuziju za medicinsku primjenu – 14. dio:
Stezaljke i regulatori protoka za opremu za transfuziju
i infuziju bez kontakta s tekućinom (ISO 8536-14:2016;
EN ISO 8536-14:2018)
Infusion equipment for medical use – Part 14: Clamps and
flow regulators for transfusion and infusion equipment without
fluid contact (ISO 8536-14:2016; EN ISO 8536-14:2018)

HRN EN ISO 19448:2018 en pr
Stomatologija – Analiza koncentracije fluorida u vodenim
otopinama pomoću elektrode selektivno osjetljive na fluoride
(ISO 19448:2018; EN ISO 19448:2018)
Dentistry – Analysis of Fluoride Concentration in Aqueous
Solutions by use of Fluoride-Ion Selective Electrode
(ISO 19448:2018; EN ISO 19448:2018)

HRN EN ISO 21533:2018 en pr
Stomatologija – Višekratne štrcaljke s ampulom
za intraligamentnu injekciju (ISO 21533:2018;
EN ISO 21533:2018)
Dentistry – Reusable cartridge syringes intended
for intraligamentary injections (ISO 21533:2018;
EN ISO 21533:2018)

HZN/TU T1, Prijevoz, rukovanje materijalima i pakiranje 1

HRN EN 2667-2:2018 en pr
Zrakoplovstvo – Nemetalni materijali – Pjenasti konstrukcijski
adhezivi – Metode ispitivanja – 2. dio: Cijeđenje kompresivnom
cijevi (EN 2667-2:2018)
Aerospace series – Non-metallic materials – Foaming
structural adhesives – Test methods – Part 2: Compressive
tube shear (EN 2667-2:2018)

HRN EN 3475-603:2018 en pr
Zrakoplovstvo – Električni kabeli za upotrebu u zrakoplovstvu
– Metode ispitivanja – 603. dio: Otpornost na iskre u vlazi
(EN 3475-603:2018)
Aerospace series – Cables, electrical, aircraft use – Test
methods – Part 603: Resistance to wet arc tracking
(EN 3475-603:2018)

HRN EN 4652-221:2018/Ispr.1:2018 en pr
Zrakoplovstvo – Koaksijalne radiofrekvencijske spojnice
– 221. dio: Tip 2, TNC sučelje – Verzija za spajanje
krimpanjem – Pravokutni utikač – Norma za proizvod
(EN 4652-221:2017/AC:2018)
Aerospace series – Connectors, coaxial, radio frequency
– Part 221: Type 2, TNC interface – Crimp version – Right
angle plug – Product standard (EN 4652-221:2017/AC:2018)

HRN EN 6041:2018 en pr
Zrakoplovstvo – Nemetalni materijali – Metoda ispitivanja
– Analiza nemetalnih materijala (nepolimeriziranih)
diferencijalnom pretražnom kalorimetrijom (DSC)
(EN 6041:2018)
Aerospace series – Non-metallic materials – Test method
– Analysis of non-metallic materials (uncured) by Differential
Scanning Calorimetry (DSC) (EN 6041:2018)

HZN/TU V1, Elektronika 1

HRN EN IEC 60794-1-22:2018 en pr
Optical fibre cables – Part 1-22: Generic specification – Basic
optical cable test procedures – Environmental test methods
(IEC 60794-1-22:2017; EN IEC 60794-1-22:2018)

HRN EN IEC 62688:2018 en pr
Concentrator photovoltaic (CPV) modules and assemblies
– Safety qualification (IEC 62688:2017; EN IEC 62688:2018)

HRN EN IEC 63044-3:2018 en pr
Home and Building Electronic Systems (HBES) and
Building Automation and Control Systems (BACS) – Part 3:
Electrical safety requirements (IEC 63044-3:2017;
EN IEC 63044-3:2018)

HZN/TU W1, Energetska elektrotehnika 1

HRN EN 50636-2-107:2015/A1:2018 en pr
Sigurnost kućanskih i sličnih aparata – Dio 2-107: Posebni
zahtjevi za robotske kosilice koje se napajaju iz baterije
(EN 50636-2-107:2015/A1:2018)
Safety of household and similar appliances – Part 2-107:
Particular requirements for robotic battery powered electrical
lawnmowers (EN 50636-2-107:2015/A1:2018)

HRN EN 60350-2:2018 en pr
Kućanski električni aparati za kuhanje – 2. dio: Električna
ugradbena ploča – Metode ispitivanja za mjerenje radnih
značajka (IEC 60350-2:2017; EN 60350-2:2018)
Household electric cooking appliances – Part 2: Hobs
– Methods for measuring performance (IEC 60350-2:2017;
EN 60350-2:2018)

HRN EN 62841-2-1:2018 en pr
Ručni elektromotorni alati, prijenosni alati i mehanizacija za
travnjake i vrtove – Sigurnost – Dio 2-2: Posebni zahtjevi
za ručne bušilice i udarne bušilice (IEC 62841-2-1:2017;
EN 62841-2-1:2018)
Electric Motor-Operated Hand-Held Tools, Transportable
Tools and Lawn and Garden Machinery – Safety – Part 2-1:
Particular requirements for hand-held drills and impact drills
(IEC 62841-2-1:2017; EN 62841-2-1:2018)

1.2 Nacrta hrvatskih norma

Temeljem Zakona o normizaciji (Narodne novine 80/2013) Hrvatski zavod za norme na prijedlog tehničkih odbora objavljuje raspravu o nacrtima hrvatskih norma (oznaka nHRN). Pisane primjedbe na nacрте hrvatskih norma dostavljaju se Hrvatskom zavodu za norme (uz naznaku tehničkog odbora i referencijsku oznaku nacрта hrvatske norme) u roku od 30 dana od dana objave rasprave u službenom glasilu Hrvatskoga zavoda za norme (HZN e-glasilo).

Nacrta su hrvatskih norma zainteresiranima na raspolaganju u Normoteci Hrvatskoga zavoda za norme, Ulica grada Vukovara 78, Zagreb.

HZN/TO 548, *Konstruktivski eurokodovi*

nHRN EN 1993-1-5:2014/A1 hr pp
Eurokod 3: Projektiranje čeličnih konstrukcija – Dio 1-5: Pločasti konstrukcijski elementi (EN 1993-1-5:2006/A1:2017)
Eurocode 3: Design of steel structures – Part 1-5: Plated structural elements (EN 1993-1-5:2006/A1:2017)

nHRN EN 1993-1-6:2014/A1 hr pp
Eurokod 3: Projektiranje čeličnih konstrukcija – Dio 1-6: Čvrstoća i stabilnost ljuskastih konstrukcija (EN 1993-1-6:2007/A1:2017)
Eurocode 3: Design of steel structures – Part 1-6: Strength and Stability of Shell Structures (EN 1993-1-6:2007/A1:2017)

nHRN EN 1993-1-6:2014/NA hr izv
Eurokod 3: Projektiranje čeličnih konstrukcija – Dio 1-6: Čvrstoća i stabilnost ljuskastih konstrukcija – Nacionalni dodatak
Eurocode 3: Design of steel structures – Part 1-6: Strength and Stability of Shell Structures – National Annex

1.3 Prijedlozi za prihvaćanje stranih norma u izvorniku

Temeljem Zakona o normizaciji (Narodne novine 80/2013) Hrvatski zavod za norme na prijedlog tehničkih odbora objavljuje raspravu o prijedlogu za prihvaćanje stranih norma (međunarodnih, europskih i njemačkih norma) kao hrvatskih norma.

Pisane primjedbe na prijedloge za prihvaćanje norma dostavljaju se Hrvatskom zavodu za norme (uz naznaku tehničkog odbora i referencijsku oznaku norme) u roku od 30 dana od dana objave rasprave u službenom glasilu Hrvatskoga zavoda za norme (HZN e-glasilo).

HZN/TO 8, *Brodogradnja*

ISO 6482:2017 en
Shipbuilding – Deck machinery – Warping end profiles
Brodogradnja – Palubni strojevi – Profili bubnja za namatanje užeta

ISO 7825:2017 en
Shipbuilding – Deck machinery – General requirements
Brodogradnja – Palubni strojevi – Opći zahtjevi

prEN 15869-1 en
Inland navigation vessels – Electrical shore connection, three phase current 400 V, 50 Hz, up to 125 A – Part 1: General requirements
Plovni objekti unutarnje plovidbe – Električni priključak s kopna, trofazne izmjenične struje 400 V, do 63 A, 50 Hz – 1. dio: Opći zahtjevi

prEN 15869-2 en
Inland navigation vessels – Electrical shore connection, three phase current 400 V, 50 Hz, up to 125 A – Part 2: On-shore unit, additional requirements

prEN 15869-3 en
Inland navigation vessels – Electrical shore connection, three phase current 400 V, 50 Hz, up to 125 A – Part 3: On-board unit, additional requirements

HZN/TO 25, *Ljevarstvo*

prEN 10283 en
Corrosion resistant steel castings
Čelični odljevci otporni na koroziju

HZN/TO 28, *Naftni proizvodi i maziva*

EN 14214:2012+A1:2014/prA2 en
Liquid petroleum products – Fatty acid methyl esters (FAME) for use in diesel engines and heating applications – Requirements and test methods
Tekući naftni proizvodi – Metilni esteri masnih kiselina (FAME) za dizelske motore i grijanje – Zahtjevi i metode ispitivanja

HZN/TO 108, *Mehaničke vibracije i udari*

ISO 17359:2018 en
Condition monitoring and diagnostics of machines – General guidelines
Nadzor stanja i dijagnostika strojeva – Opće smjernice

HZN/TO 138, *Plastične cijevi, spojnice i ventili za prijenos tekućina*

prEN ISO 13257 en
Thermoplastics piping systems for non-pressure applications – Test method for resistance to elevated temperature cycling (ISO/DIS 13257:2018)
Plastomerni cijevni sustavi za odvodnju onečišćenih i otpadnih voda unutar zgrada – Ispitna metoda za određivanje otpornost pri cikličkim promjenama temperature (ISO/DIS 13257:2018)

HZN/TO 147/PO 2, *Kvaliteta vode; Fizikalno-kemijske metode ispitivanja*

prEN ISO 12010 en
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/DIS 12010:2018)
Kvaliteta vode – Određivanje kratkolančanih polikloriranih alkana (SCCPs) u vodi – Metoda plinske kromatografije-spektrometrije masa (GC-MS) i kemijske ionizacije negativno nabijenim ionima (NCI) (ISO/DIS 12010:2018)

HZN/TO 147/PO 7, *Kvaliteta vode; Mikrobiološka i biološka ispitivanja*

prEN 17233 en
Water quality – Guidance for assessing the efficiency and related metrics of fish passage solutions using telemetry

HZN/TO 165, *Drvene konstrukcije*

EN 384:2016/prA1 en
Structural timber – Determination of characteristic values of mechanical properties and density
Drvene konstrukcije – Određivanje karakterističnih vrijednosti mehaničkih svojstava i gustoće

HZN/TO 172, *Optika i optički instrumenti*

prEN ISO 11979-1 en
Ophthalmic implants – Intraocular lenses – Part 1: Vocabulary (ISO/DIS 11979-1:2018)
Ofalmološki implantanti – Intraokularne leće – 1. dio: Terminološki rječnik (ISO/DIS 11979-1:2018)

HZN/TO 178, *Dizala, pokretne stube i pokretne trake za osobe*

prEN 12016 en
Electromagnetic compatibility – Product family standard for lifts, escalators and moving walks – Immunity
Elektromagnetska kompatibilnost – Norma porodice proizvoda za dizala, pokretne stube i pokretne trake – Otpornost

HZN/TO 190, *Kvaliteta tla*

prEN ISO 16133 en
Soil quality – Guidance on the establishment and maintenance of monitoring programmes (ISO/DIS 16133:2017)
Kvaliteta tla – Upute o uspostavljanju i provođenju programa nadzora (ISO/DIS 16133:2017)

HZN/TO 219, *Podne obloge*

- prEN ISO 10581 en
Resilient floor coverings – Homogeneous poly(vinyl chloride) floor covering – Specifications (ISO/DIS 10581:2018)
Elastične podne obloge – Homogene poli(vinil-kloridne) podne obloge – Specifikacija (ISO/DIS 10581:2018)

HZN/TO 221, *Geosintetici*

- prEN ISO 12957-1 en
Geosynthetics – Determination of friction characteristics – Part 1: Direct shear test (ISO/DIS 12957-1:2018)
Geosintetici – Određivanje značajka trenja – 1. dio: Ispitivanje izravnim posmikom (ISO/DIS 12957-1:2018)

HZN/TO 503, *Metalni materijali*

- prEN ISO 6149-1 en
Connections for hydraulic fluid power and general use – Ports and stud ends with ISO 261 metric threads and O-ring sealing – Part 1: Ports with truncated housing for O-ring seal (ISO/DIS 6149-1:2018)
Priključci za hidraulične tekućine za prijenos snage i opću namjenu – Navojni otvori i čepovi s ISO 261 metričkim navojima i brtvljenjem pomoću O-prstena – 1. dio: Navojni otvori sa skraćenim ležištem za O-prsten (ISO/DIS 6149-1:2018)
- EN 10139:2016/prA1 en
Cold rolled uncoated low carbon steel narrow strip for cold forming – Technical delivery conditions
Hladno valjane trake bez prevlaka od niskougličnog čelika za hladno oblikovanje – Tehnički uvjeti isporuke

- prEN 14726 en
Aluminium and aluminium alloys – Determination of the chemical composition of aluminium and aluminium alloys by spark optical emission spectrometry
Aluminij i aluminijeve legure – Određivanje kemijskog sastava aluminija i aluminijevih legura optičkom emisijskom spektrometrijom uz pobudu iskrom

HZN/TO 506, *Materijali, oprema i konstrukcije za naftnu industriju, prirodni plin i geotermalnu vodu*

- prEN ISO 10426-4 en
Petroleum and natural gas industries – Cements and materials for well cementing – Part 4: Preparation and testing of foamed cement slurries at atmospheric pressure (ISO/DIS 10426-4:2018)
Industrija nafte i prirodnog plina – Cementi i materijali za cementaciju bušotine – 4. dio: Priprava i ispitivanje pjenastih cementnih kaša pri atmosferskom tlaku (ISO/DIS 10426-4:2018)

HZN/TO 517, *Posebne vrste konstrukcija*

- prEN 1337-1 en
Structural bearings – Part 1: General
Konstrukcijski ležajevi – 1. dio: Općenito
- prEN 1337-2 en
Structural bearings – Part 2: Sliding elements
Konstrukcijski ležajevi – 2. dio: Klizni elementi
- prEN 1337-3 en
Structural bearings – Part 3: Elastomeric bearings
Konstrukcijski ležajevi – 3. dio: Elastomerni ležajevi
- prEN 1337-4 en
Structural bearings – Part 4: Roller bearings
Konstrukcijski ležajevi – 4. dio: Valjkasti ležajevi
- prEN 1337-5 en
Structural bearings – Part 5: Pot bearings
Konstrukcijski ležajevi – 5. dio: Lončasti ležajevi
- prEN 1337-6 en
Structural bearings – Part 6: Rocker bearings
Konstrukcijski ležajevi – 6. dio: Zakretni ležajevi
- prEN 1337-7 en
Structural bearings – Part 7: Spherical and cylindrical PTFE bearings
Konstrukcijski ležajevi – 7. dio: Sferni i valjkasti PTFE ležajevi

- prEN 1337-8 en
Structural bearings – Part 8: Guide bearings and Restraint bearings
Konstrukcijski ležajevi – 8. dio: Ležajevi s vodilicama i uređajima za sprečavanje pomaka

HZN/TO 522, *Karakterizacija i zbrinjavanje otpada*

- prEN 1501-1 en
Refuse collection vehicles – General requirements and safety requirements – Part 1: Rear loaded refuse collection vehicles
Vozila za skupljanje otpada – Opći i sigurnosni zahtjevi – 1. dio: Vozila za skupljanje otpada sa stražnjim punjenjem
- prEN 1501-2 en
Refuse collection vehicles – General requirements and safety requirements – Part 2: Side loaded refuse collection vehicles
Vozila za skupljanje otpada – Opći i sigurnosni zahtjevi – 2. dio: Vozila za skupljanje otpada s bočnim punjenjem
- prEN 1501-3 en
Refuse collection vehicles and their associated lifting devices – General requirements and safety requirements – Part 3: Front loaded refuse collection vehicles
Vozila za skupljanje otpada i pripadne naprave za podizanje – Opći i sigurnosni zahtjevi – 3. dio: Vozila za skupljanje otpada s prednjim punjenjem
- prEN 1501-5 en
Refuse collection vehicles – General requirements and safety requirements – Part 5: Lifting devices for refuse collection vehicles
Vozila za skupljanje otpada – Opći i sigurnosni zahtjevi – 5. dio: Vozila za skupljanje otpada s podiznim uređajima

HZN/TO 531, *Plastika i guma*

- prEN ISO 19062-2 en
Plastics – Acrylonitrile-butadiene-styrene (ABS) moulding and extrusion materials – Part 2: Preparation of test specimens and determination of properties (ISO/DIS 19062-2:2018)
Plastika – Akrlonitril/butadien/stirenski (ABS) prešani i ekstrudirani materijali – 2. dio: Priprava ispitaka i određivanje svojstava (ISO/DIS 19062-2:2018)
- prEN ISO 19065-2 en
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/DIS 19065-2:2018)
Plastika – Akrlonitril/stiren/akrilat (ASA), akrlonitril/(etilen-propilen-dien)/stiren (AEPDS) i akrlonitril/(klorirani polietilen)/stiren (ACS) prešani i ekstrudirani materijali – 2. dio: Priprema ispitaka i određivanje svojstava (ISO/DIS 19065-2:2018)
- prEN ISO 21306-1 en
Plastics – Unplasticized poly(vinyl chloride) (PVC-U) moulding and extrusion materials – Part 1: Designation system and basis for specifications (ISO/DIS 21306-1:2018)
Plastika – Neomekšani poli(vinil-kloridni) (PVC-U) materijali za kalupljenje i ekstruziju – 1. dio: Sustav označavanja i osnove za specifikacije (ISO/DIS 21306-1:2018)
- prEN ISO 21306-2 en
Plastics – Unplasticized poly(vinyl chloride) (PVC-U) moulding and extrusion materials – Part 2: Preparation of test specimens and determination of properties (ISO/DIS 21306-2:2018)
Plastika – Neomekšani poli(vinil-kloridni) (PVC-U) materijali za kalupljenje i ekstruziju – 2. dio: Priprema ispitaka i određivanje svojstava (ISO/DIS 21306-2:2018)

HZN/TO 533, *Kolničke konstrukcije*

- prEN 12697-53 en
Bituminous mixtures – Test methods – Part 53: Cohesion increase by spreadability-meter method
- prEN 12697-54 en
Bituminous mixtures – Test methods – Part 54: Curing of specimen for test of mixtures with bitumen emulsion
- prEN 12697-55 en
Bituminous mixtures – Test methods – Part 55: Organoleptic assessment of compatibility of constituent materials of a mixture with bitumen emulsion
- prEN 12697-56 en
Bituminous mixtures – Test methods – Part 56: Specimen preparation by static compaction

prEN 13108-31 en
Bituminous mixtures – Material specifications – Part 31:
Asphalt Concrete with Bituminous Emulsion

HZN/TO 534, Spremnici za teret

prEN 12641-1 en
Intermodal loading units and commercial vehicles – Tarpaulins
– Part 1: Minimum requirements

prEN 12641-2 en
Intermodal loading units and commercial vehicles – Tarpaulins
– Part 2: Minimum requirements for curtainsiders

HZN/TO 535, Agregati

prEN 1097-2 en
Tests for mechanical and physical properties of aggregates
– Part 2: Methods for the determination of resistance to
fragmentation
Ispitivanja mehaničkih i fizikalnih svojstava agregata – 2. dio:
Metode za određivanje otpornosti na drobljenje

prEN 1097-8 en
Tests for mechanical and physical properties of aggregates
– Part 8: Determination of the polished stone value
Ispitivanja mehaničkih i fizikalnih svojstava agregata – 8. dio:
Određivanje vrijednosti polirnosti kamena

HZN/TO 541, Sustavi grijanja, ventilacije i klimatizacije u građevinama

prEN 448 en
District heating pipes – Bonded single pipe systems for directly
buried hot water networks – Factory made fitting assemblies
of steel service pipes, polyurethane thermal insulation and a
casing of polyethylene
Cijevi za daljinsko grijanje – Povezani cijevni sustavi s jednom
cijevi za ukopane vrelovodne mreže – Tvornički izrađeni
sklopovi spojnih elemenata od čeličnih cijevi, poliuretanske
toplinske izolacije i polietilenske ovojnice

prEN 488 en
District heating pipes – Bonded single pipe systems for
directly buried hot water networks – Factory made steel
valve assembly for steel service pipes, polyurethane thermal
insulation and a casing of polyethylene
Cijevi za daljinsko grijanje – Povezani cijevni sustavi s jednom
cijevi za ukopane vrelovodne mreže – Tvornički izrađen sklop
od čeličnog zapornog elementa za čelične cijevi, poliuretanske
toplinske izolacije i polietilenske ovojnice

prEN 14419 en
District heating pipes – Bonded single and twin pipe systems
for buried hot water networks – Surveillance systems
Cijevi za daljinsko grijanje – Povezani cijevni sustavi s
jednom ili dvije cijevi za ukopane vrelovodne mreže – Sustavi
nadzora

prEN 15698-1 en
District heating pipes – Bonded twin pipe systems for directly
buried hot water networks – Part 1: Factory made twin
pipe assembly of steel service pipe, polyurethane thermal
insulation and a casing of polyethylene
Cijevi za daljinsko grijanje – Povezani cijevni sustavi s dvije
cijevi za ukopane vrelovodne mreže – Tvornički izrađeni
sklop od dvije čelične cijevi, poliuretanske toplinske izolacije
i polietilenske ovojnice

prEN 15698-2 en
District heating pipes – Bonded twin pipe systems for directly
buried hot water networks – Part 2: Factory made fitting and
valve assemblies of steel service pipes, polyurethane thermal
insulation and one casing of polyethylene
Cijevi za daljinsko grijanje – Povezani cijevni sustavi s dvije
cijevi za ukopane vrelovodne mreže – 2. dio: Tvornički
izrađeni sklopovi spojnih i zapornih elemenata za čelične
cijevi, poliuretanske toplinske izolacije i polietilenske ovojnice

HZN/TO 557, Zaštitna odjeća

prEN ISO 374-2 en
Protective gloves against dangerous chemicals and micro-
organisms – Part 2: Determination of resistance to penetration
(ISO/DIS 374-2:2018)
Rukavice za zaštitu od opasnih kemikalija i mikroorganizama
– 2. dio: Određivanje otpornosti na propuštanje
(ISO/DIS 374-2:2018)

prEN ISO 374-4 en
Protective gloves against chemicals and micro-organisms
– Part 4: Determination of resistance to degradation by
chemicals (ISO/DIS 374-4:2018)
Rukavice za zaštitu od kemikalija i mikroorganizama
– 4. dio: Određivanje otpornosti na razgradnju kemikalijama
(ISO/DIS 374-4:2018)

EN 388:2016/prA1:2018 en
Protective gloves against mechanical risks
Rukavice za zaštitu od mehaničkih rizika

prEN 13138-1 en
Buoyant aids for swimming instruction – Part 1: Safety
requirements and test methods for buoyant aids to be worn
Plutajuća pomagala za poduku plivanja – 1. dio: Sigurnosni
zahtjevi i ispitne metode za plutajuća pomagala koja se
oblače

prEN 13138-2 en
Buoyant aids for swimming instruction – Part 2: Safety
requirements and test methods for buoyant aids to be held
Plutajuća pomagala za poduku plivanja – 2. dio: Sigurnosni
zahtjevi i ispitne metode za plutajuća pomagala koja se
pridržavaju

prEN 13138-3 en
Buoyant aids for swimming instruction – Part 3: Safety
requirements and test methods for swim seats into which a
user is positioned

prEN 13138-4 en
Buoyant aids for swimming instruction – Part 4: In water
performance, requirements and test procedures for Class B
swimming devices

HZN/TO 560, Tekstilni proizvodi

prEN ISO 9092 en
Textiles – Nonwovens – Definition (ISO/DIS 9092:2018)
Tekstil – Netkani tekstil – Definicija (ISO/DIS 9092:2018)

HZN/TO 561, Kotlovi, posude pod tlakom, cjevovodi i plinske boce

prEN 12953-5 en
Shell boilers – Part 5: Inspection during construction;
documentation and marking of pressure parts of the boiler
Dimnocijevni kotlovi – 5. dio: Pregled tijekom izrade,
dokumentacija i označavanje dijelova kotla pod tlakom

HZN/TO 563, Sigurnost strojeva

prEN ISO 9902-6 en
Textile machinery – Noise test code – Part 6: Fabric
manufacturing machinery (ISO/DIS 9902-6:2018)
Tekstilni strojevi – Određivanje emisije buke – 6. dio: Strojevi
za proizvodnju plošnih tekstila (ISO/DIS 9902-6:2018)

prEN ISO 20607 en
Safety of machinery – Instruction handbook – General drafting
principles (ISO/DIS 20607:2018)

HZN/TO 568, Analiza hrane – horizontalne metode, mikrobiologija, posuđe i pribor u kontaktu s hranom

prEN ISO 22117 en
Microbiology of the food chain – Specific requirements and
guidance for proficiency testing by interlaboratory comparison
(ISO/DIS 22117:2018)

HZN/TO 574, Sustavi upravljanja kvalitetom, rizicima, vrijednostima i inovacijama

ISO 31000:2018 en
Risk management – Guidelines
Upravljanje rizicima – Smjernice

HZN/TO 577, Metode ispitivanja za karakterizaciju krutih i tekućih sastavnica i opterećenja okoliša

prEN ISO 21268-1 en

Soil quality – Leaching procedures for subsequent chemical and ecotoxicological testing of soil and soil materials – Part 1: Batch test using a liquid to solid ratio of 2 l/kg dry matter (ISO/DIS 21268-1:2018)

Kvaliteta tla – Postupci ispiranja za naknadna kemijska i ekotoksikološka ispitivanja tla i tvari u tlu – 1. dio: Serijsko ispitivanje uporabom tekućeg i krutog udjela u omjeru 2 l/kg suhe tvari (ISO/DIS 21268-1:2018)

prEN ISO 21268-2 en

Soil quality – Leaching procedures for subsequent chemical and ecotoxicological testing of soil and soil materials – Part 2: Batch test using a liquid to solid ratio of 10 l/kg dry matter (ISO/DIS 21268-2:2018)

Kvaliteta tla – Postupci ispiranja za naknadna kemijska i ekotoksikološka ispitivanja tla i tvari u tlu – 2. dio: Serijsko ispitivanje uporabom tekućeg i krutog udjela u omjeru 10 l/kg suhe tvari (ISO/DIS 21268-2:2018)

prEN ISO 21268-3 en

Soil quality – Leaching procedures for subsequent chemical and ecotoxicological testing of soil and soil materials – Part 3: Up-flow percolation test (ISO/DIS 21268-3:2018)

Kvaliteta tla – Postupci ispiranja za naknadna kemijska i ekotoksikološka ispitivanja tla i tvari u tlu – 3. dio: Ispitivanje stalnim protokom (ISO/DIS 21268-3:2018)

prEN ISO 21268-4 en

Soil quality – Leaching procedures for subsequent chemical and ecotoxicological testing of soil and soil materials – Part 4: Influence of pH on leaching with initial acid/base addition (ISO/DIS 21268-4:2018)

Kvaliteta tla – Postupci ispiranja za naknadna kemijska i ekotoksikološka ispitivanja tla i tvari u tlu – 4. dio: Utjecaj pH na ispiranje s početnim dodavanjem kiselina/baza (ISO/DIS 21268-4:2018)

HZN/TO E17, Sklopni i upravljački uređaji

prEN 62271-214:2018 en

High-voltage switchgear and controlgear – Part 214: Internal arc classification for pole-mounted switchgear for rated voltages above 1 kV and up to and including 52 kV (IEC 62271-214:2018)

HZN/TO E20, Električni kabeli

prHD 629.1 S3 en

Test requirements for accessories for use on power cables of rated voltage from 3,6/6(7,2) kV up to 20,8/36(42) kV – Part 1: Accessories for cables with extruded insulation

Ispitni zahtjevi za pribor za energetske kabele nazivnog napona od 3,6/6 (7,2) kV do 20,8/36 (42) kV – 1. dio: Pribor za kabele s ekstrudiranom izolacijom

HZN/TO E22, Energetska elektronika

prEN 60633:2018 en

Terminology for high-voltage direct current (HVDC) transmission

Nazivlje u području prijenosa istosmjernom strujom visokog napona (HVDC)

EN 62747:2014/prA1:2018 en

Terminology for voltage-sourced converters (VSC) for high-voltage direct current (HVDC) systems (IEC 62747:2014/am1:201X)

Nazivlje za pretvarače s naponskim ulazom (VSC) za visokonaponske sustave istosmjerne struje (HVDC) (IEC 62747:2014/am1:201X)

EN 62751-2:2014/prA1:2018 en

Power losses in voltage sourced converter (VSC) valves for high-voltage direct current (HVDC) systems – Part 2: Modular multilevel converters (IEC 62751-2:2014/am1:201X)

prEN 62909-2:2018 en

Bi-directional grid connected power converters – Part 2: Interface of GPC and distributed energy resources and additional requirements to Part 1 (IEC 62909-2:201X)

HZN/TO E23, Električni instalacijski pribor

prEN 63052:2018 en

Power frequency overvoltage protective devices for household and similar applications (POP) (IEC 63052:201X)

HZN/TO E62, Električna oprema u medicinskoj praksi

prEN 62304:2018 en

Health software – Software life cycle processes (IEC 62304:201X)

HZN/TO E65, Mjerenje, vođenje i automatizacija industrijskih procesa

EN IEC 62439-3:2018 en

Industrial communication networks – High availability automation networks – Part 3: Parallel Redundancy Protocol (PRP) and High-availability Seamless Redundancy (HSR) (IEC 62439-3:2016)

Industrijske komunikacijske mreže – Automacijske mreže velike raspoloživosti – 3. dio: Protokol usporedne zalihosti (PRP) i neograničene zalihosti velike raspoloživosti (HSR) (IEC 62439-3:2016)

EN IEC 62439-5:2018 en

Industrial communication networks – High availability automation networks – Part 5: Beacon Redundancy Protocol (BRP) (IEC 62439-5:2016)

Industrijske komunikacijske mreže – Automacijske mreže velike raspoloživosti – 5. dio: Protokol zalihosti signala (IEC 62439-5:2016)

HZN/TO E80, Pomorska navigacijska i radiokomunikacijska oprema i sustavi

prEN 63135:2018 en

Maritime navigation and radio communication equipment and systems – Automatic Identification Systems (AIS) – SAR Airborne equipment – Operational and performance requirements, methods of test and required test results (IEC 63135:201X)

HZN/TO E85, Oprema za mjerenje električnih i elektromagnetskih veličina

prEN 60051-9:2018 en

Direct acting indicating analogue electrical-measuring instruments and their accessories – Part 9: Recommended test methods (IEC 60051-9:201X)

Pokazni analogni električni mjerni instrumenti s izravnim djelovanjem i njihov pribor – 9. dio: Preporučene metode ispitivanja (IEC 60051-9:201X)

prEN 61557-1:2018 en

Electrical safety in low voltage distribution systems up to 1 000 V a.c. and 1 500 V d.c. – Equipment for testing, measuring or monitoring of protective measures – Part 1: General requirements (IEC 61557-1:201X)

Električna sigurnost u niskonaponskim distribucijskim sustavima do 1000 V izmjenične struje i 1500 V istosmjerne struje – Oprema za ispitivanje, mjerenje ili nadzor zaštite – 1. dio: Opći zahtjevi (IEC 61557-1:201X)

prEN 61557-2:2018 en

Electrical safety in low voltage distribution systems up to 1 000 V a.c. and 1 500 V d.c. – Equipment for testing, measuring or monitoring of protective measures – Part 2: Insulation resistance (IEC 61557-2:201X)

Električna sigurnost u niskonaponskim distribucijskim sustavima do 1000 V izmjenične struje i 1500 V istosmjerne struje – Oprema za ispitivanje, mjerenje ili nadzor zaštite – 2. dio: Otpor izolacije (IEC 61557-2:201X)

prEN 61557-3:2018 en

Electrical safety in low voltage distribution systems up to 1 000 V a.c. and 1 500 V d.c. – Equipment for testing, measuring or monitoring of protective measures – Part 3: Loop impedance (IEC 61557-3:201X)

Električna sigurnost u niskonaponskim distribucijskim sustavima do 1000 V izmjenične struje i 1500 V istosmjerne struje – Oprema za ispitivanje, mjerenje ili nadzor zaštite – 3. dio: Impedancija petlje (IEC 61557-3:201X)

prEN 61557-4:2018 en

Electrical safety in low voltage distribution systems up to 1 000 V a.c. and 1 500 V d.c. – Equipment for testing; measuring or monitoring of protective measures – Part 4: Resistance of earth connection and equipotential bonding (IEC 61557-4:201X)

Električna sigurnost u niskonaponskim distribucijskim sustavima do 1 000 V izmjenične struje i 1 500 V istosmjerne struje – Oprema za ispitivanje, mjerenje ili nadzor zaštite – 4. dio: Otpor spoja za uzemljenje i izjednačavanje potencijala (IEC 61557-4:201X)

prEN 61557-5:2018 en

Electrical safety in low voltage distribution systems up to 1 000 V a.c. and 1 500 V d.c. – Equipment for testing; measuring or monitoring of protective measures – Part 5: Resistance to earth (IEC 61557-5:201X)

Električna sigurnost u niskonaponskim distribucijskim sustavima do 1000 V izmjenične struje i 1500 V istosmjerne struje – Oprema za ispitivanje, mjerenje ili nadzor zaštite – 5. dio: Otpor uzemljenja (IEC 61557-5:201X)

prEN 61557-6:2018 en

Electrical safety in low voltage distribution systems up to 1 000 V a.c. and 1 500 V d.c. – Equipment for testing; measuring or monitoring of protective measures – Part 6: Effectiveness of residual current devices (RCD) in TT, TN and IT systems (IEC 61557-6:201X)

Električna sigurnost u niskonaponskim distribucijskim sustavima do 1 000 V izmjenične struje i 1 500 V istosmjerne struje – Oprema za ispitivanje, mjerenje ili nadzor zaštite – 6. dio: Učinkovitost uređaja diferencijalne struje (RDC) u TT, TN i IT sustavim (IEC 61557-6:201X)

prEN 61557-7:2018 en

Electrical safety in low voltage distribution systems up to 1 000 V a.c. and 1 500 V d.c. – Equipment for testing; measuring or monitoring of protective measures – Part 7: Phase sequence (IEC 61557-7:201X)

Električna sigurnost u niskonaponskim distribucijskim sustavima do 1 000 V izmjenične struje i 1 500 V istosmjerne struje – Oprema za ispitivanje, mjerenje ili nadzor zaštite – 7. dio: Redoslijed faza (IEC 61557-7:201X)

HZN/TO E100, Audio, video i multimedijski sustavi te njihova oprema

prEN 63006:2018 en

Wireless Power Transfer (WPT) Glossary of Terms (TA 15) (IEC 63006:201X)

prEN 63033-2:2018 en

Car multimedia systems and equipment – Drive monitor system – Part 2: Camera interfaces and recording methods (IEC 63033-2:201X)

HZN/TO E500, Elektromagnetska kompatibilnost u elektrotehnici i telekomunikacijama

EN 55011:2016/prA2:2018 (fragment 3) en

Industrial, scientific and medical equipment – Measurement of radiated disturbances – Improvement of repeatability for measurements in the frequency range 1-18 GHz (CISPR 11:2015/am2:201X (fragment 3))

Industrijska, znanstvena i medicinska oprema – Mjerenje zračenih radiosmetnja – Pobošanje ponovljivosti za mjerenja u frekvencijskom području 1-18 GHz (CISPR 11:2015/am2:201X (fragment 3))

HZN/TO T4, Normizacija u telekomunikacijama

Draft EN 301 549 V2.1.1:2018 en

Accessibility requirements for ICT products and services
Pristupni zahtjevi za ICT proizvode i usluge

Draft EN 302 208 V3.2.0:2018 en

Radio Frequency Identification Equipment operating in the band 865 MHz to 868 MHz with power levels up to 2 W and in the band 915 MHz to 921 MHz with power levels up to 4 W – Harmonised Standard for access to radio spectrum
Radiofrekvencijska oprema za identifikaciju koja radi u pojasu od 865 MHz do 868 MHz s razinom snage do 2 W i u pojasu od 915 MHz do 921 MHz s razinom snage do 4 W – Harmonizirana norma za pristup radijskom spektru

Draft EN 302 245 V2.1.0:2018 en

Transmitting equipment for the Digital Radio Mondiale (DRM) sound broadcasting service – Harmonised Standard for access to radio spectrum
Odašiljačka oprema za audio radiofuznu službu koja upotrebljava DRM digitalni radijski standard – Harmonizirana norma za pristup radijskom spektru

Draft EN 302 969 V1.2.10:2018 en

Reconfigurable Radio Systems (RRS) – Radio Reconfiguration related requirements for Mobile Devices
Rekonfigurabilni radijski sustavi (RRS) – Radijska rekonfiguracija koja se odnosi na zahtjeve za mobilne uređaje

Draft EN 303 095 V1.2.9:2018 en

Reconfigurable Radio Systems (RRS) – Radio reconfiguration related architecture for Mobile Devices (MD)
Rekonfigurabilni radijski sustavi (RRS) – Radijska rekonfiguracija koja se odnosi na arhitekturu za mobilne uređaje (MD)

Draft EN 303 258 V1.0.6:2018 en

Wireless Industrial Applications (WIA) – Equipment operating in the 5 725 MHz to 5 875 MHz frequency range with power levels ranging up to 400 mW – Harmonised Standard for access to radio spectrum
Bežične industrijske primjene – Uređaji koji rade u frekvencijskom području od 5 725 MHz do 5 875 MHz s razinama snage do 400 Mw – Harmonizirana norma za pristup radijskom spektru

Draft EN 303 560 V1.1.1:2018 en

Digital Video Broadcasting (DVB) – TTML subtitling systems
Digitalna video difuzija (DVB) – TTML sustavi za kreiranje podnaslovnog niza

Draft EN 305 200-4-4 V1.1.1:2018 en

Integrated broadband cable telecommunication networks (CABLE) – Energy management – Operational infrastructures – Global KPIs – Part 4: Design assessments – Sub-part 4: Cable Access Networks
Integrirane širokopojasne kabelske telekomunikacijske mreže (CABLE) – Upravljanje energijom – Operativne infrastrukture – Globalni indikatori ključnih osobina (KPI) – 4. dio: Ocjenjivanja dizajna – 4. poddio: Kabelske pristupne mreže

HZN/TU C1, Kemikalije, kemijsko inženjerstvo, poljoprivredni i prehrambeni proizvodi 1

prEN ISO 787-9 en

General methods of test for pigments and extenders – Part 9: Determination of pH value of an aqueous suspension (ISO/DIS 787-9:2018)
Opće metode ispitivanja pigmenata i punila – 9. dio: Određivanje pH vrijednosti vodene suspenzije (ISO/DIS 787-9:2018)

prEN ISO 787-14 en

General methods of test for pigments and extenders – Part 14: Determination of resistivity of aqueous extract (ISO/DIS 787-14:2018)
Opće metode ispitivanja pigmenata i punila – 14. dio: Određivanje otpornosti vodenog ekstrakta (ISO/DIS 787-14:2018)

prEN ISO 18473-2 en

Functional pigments and extenders for special applications – Part 2: Nanoscale titanium dioxide for sunscreen application (ISO 18473-2:2015)

HZN/TU T1, Prijevoz, rukovanje materijalima i pakiranje 1

FprEN 2564 en

Aerospace series – Carbon fibre laminates – Determination of the fibre, resin and void contents
Zrakoplovstvo – Laminati s ugljičnim vlaknima – Određivanje sadržaja vlakana, smole i šupljina

FprEN 9278 en

Aerospace series – General Principles of Obsolescence Management of chemicals, materials and processes

HZN/TU V1, *Elektronika 1*

- prEN 60384-21:2018 en
Fixed capacitors for use in electronic equipment – Part 21: Sectional specification – Fixed surface mount multilayer capacitors of ceramic dielectric, Class 1 (IEC 60384-21:201X)
- prEN 60384-22:2018 en
Fixed capacitors for use in electronic equipment – Part 22: Sectional specification – Fixed surface mount multilayer capacitors of ceramic dielectric, Class 2 (IEC 60384-22:201X)
- prEN 60793-1-31:2018 en
Optical fibres – Part 1-31: Measurement methods and test procedures – Tensile strength (IEC 60793-1-31:201X)
- prEN 60793-1-32:2018 en
Optical fibres – Part 1-32: Measurement methods and test procedures – Coating strippability (IEC 60793-1-32:201X)
- prEN 60793-1-40:2018 en
Optical fibres – Part 1-40: Attenuation measurement methods (IEC 60793-1-40:201X)
- prEN 60793-2-50:2018 en
Optical fibres – Part 2-50: Product specifications – Sectional specification for class B single-mode fibres (IEC 60793-2-50:201X)
Optička vlakna – Dio 2-50: Specifikacije proizvoda – Sekcijska specifikacija za vlakna razreda B za jedan način rada (IEC 60793-2-50:201X)
- prEN 61076-3-124:2018 en
Connectors for electronic equipment – product requirements – Part 3-124: Rectangular connectors – Detail specification for 10way, shielded, free and fixed rectangular connectors for I/O and data transmission capability with frequencies up to 500 MHz (IEC 61076-3-124:201X)
- prEN 61188-6-4:2018 en
Printed boards and printed board assemblies – Design and use – Part 6-4: Generic requirements for dimensional drawings of SMD from viewpoint of land-pattern design (IEC 61188-6-4:201X)
- prEN 62149-10:2018 en
Fibre optic active components and devices – Performance standards – Part 10: RoF (radio over fiber) transceivers for mobile fronthaul (IEC 62149-10:201X)
- prEN 62239-1:2018 en
Process management for avionics – Management plan – Part 1: Preparation and maintenance of an electronic components management plan (IEC 62239-1:201X)
- prEN 63093-5:2018 en
Ferrite cores – Guidelines on dimensions and the limits of surface irregularities – Part 5: EP-cores and associated parts for use in inductors and transformers (IEC 63093-5:201X)
- prEN 63093-6:2018 en
Ferrite cores – Guidelines on dimensions and the limits of surface irregularities – Part 6: ETD-cores for use in power supplies (IEC 63093-6:201X)
- prEN 63093-8:2018 en
Ferrite cores – Guidelines on dimensions and the limits of surface irregularities – Part 8: E-cores (IEC 63093-8:201X)
- prEN 63093-11:2018 en
Ferrite cores – Guidelines on dimensions and the limits of surface irregularities – Part 11: EC-cores for use in power supply applications (IEC 63093-11:201X)
- prEN 63150-1:2018 en
Semiconductor devices – Measurement and evaluation methods of kinetic energy harvesting devices under practical vibration environment – Part 1: Arbitrary and random mechanical vibrations (IEC 63150-1:201X)

HZN/TU W1, *Energetska elektrotehnika 1*

- EN 60269-6:2011/prA1:2018 en
Low-voltage fuses – Part 6: Supplementary requirements for fuse-links for the protection of solar photovoltaic energy systems (IEC 60269-6:2010/am1:201X)
Niskonaponski osigurači – 6. dio: Dodatni zahtjevi za rastalne uloške za zaštitu solarnih fotonaponskih energetske sustava (IEC 60269-6:2010/am1:201X)
- EN 60704-2-14:2013/prA1:2018 en
Household and similar electrical appliances – Test code for the determination of airborne acoustical noise – Part 2-14: Particular requirements for refrigerators, frozen-food storage cabinets and food freezers (IEC 60704-2-14:2013/am1:201X)
Kućanski i slični električni aparati – Ispitne odredbe za određivanje uzdušne buke – Dio 2-14: Posebni zahtjevi za hladnjake, komore za smrznutu hranu i zamrzivače (IEC 60704-2-14:2013/am1:201X)
- prEN 60704-3:2018/prAA:2018 en
Household and similar electrical appliances – Test code for the determination of airborne acoustical noise – Part 3: Procedure for determining and verifying declared noise emission values Kućanski i slični električni aparati – Ispitne odredbe za određivanje uzdušne buke – 3. dio: Postupak za određivanje i potvrđivanje iskazanih vrijednosti emisije buke
- prEN 62841-3-7:2018 en
Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 3-7: Particular requirements for transportable wall saws (IEC 62841-3-7:201X)
- prEN 62885-5:2018 en
Surface cleaning appliances – Part 5: High pressure cleaners and steam cleaners – Methods of measuring the performance (IEC 62885-5:201X)

1.4 Povučene hrvatske norme

Na prijedlog tehničkog odbora ravnatelj Hrvatskoga zavoda za norme donosi odluku o povlačenju hrvatske norme kada je donesena nova hrvatska norma ili kada je postojeća hrvatska norma postala neprimjenjiva.

Kada je koje područje uređeno propisima i neki od propisa (pravilnik, naredba, naputak) upućuje na norme koje su povučene, one se primjenjuju silom tih propisa i bit će, do izmjene propisa ili izradbe novih, na raspolaganju u Normoteci HZN-a.

HZN/TO 8, *Brodogradnja*

- HRS ISO/PAS 16917:2014 en
Brodovi i pomorska tehnologija – Norma za prijenos podataka za pomorski, intermodalni prijevoz i sigurnost (ISO/PAS 16917:2002)
Ships and marine technology – Data transfer standard for maritime, intermodal transportation and security (ISO/PAS 16917:2002)
- bez zamjene

HZN/TO 21, *Protupožarna i vatrogasna oprema*

- HRN DIN VDE 0833-2:2013 de
Sustavi za uzbunjivanje zbog požara, provale i prepada – 2. dio: Zahtjevi za sustave za požarno uzbunjivanje (DIN VDE 0833-2:2009+DIN VDE 0833-2 Berichtigung 1:2010) Gefahrenmeldeanlagen für Brand, Einbruch und Überfall – Teil 2: Festlegungen für Brandmeldeanlagen (DIN VDE 0833-2:2009+DIN VDE 0833-2 Berichtigung 1:2010) - zamijenjena s: HRN DIN VDE 0833-2:2018
- HRN EN 15004-7:2008 en
Stabilni protupožarni sustavi – Sustavi za gašenje plinom – 7. dio: Fizikalna svojstva i projektiranje sustava za gašenje plinom IG-01 (ISO 14520-12:2005, MOD; EN 15004-7:2008) Fixed firefighting systems – Gas extinguishing systems – Part 7: Physical properties and system design of gas extinguishing systems for IG-01 extinguishant (ISO 14520-12:2005, MOD; EN 15004-7:2008) - zamijenjena s: HRN EN 15004-7:2018

HRN EN 15004-9:2008 en
Stabilni protupožarni sustavi – Sustavi za gašenje plinom – 9. dio: Fizikalna svojstva i projektiranje sustava za gašenje plinom IG-55 (ISO 14520-14:2005, MOD; EN 15004-9:2008)
Fixed firefighting systems – Gas extinguishing systems – Part 9: Physical properties and system design of gas extinguishing systems for IG-55 extinguishant (ISO 14520-14:2005, MOD; EN 15004-9:2008)
- zamijenjena s: HRN EN 15004-9:2018

HZN/TO 22, Cestovna vozila

HRN EN 1648-1:2012 en
Vozila za odmor – Električne instalacije za istosmjernu struju vrlo niskoga napona od 12 V – 1. dio: Prikolice za stanovanje (kamp-prikolice) (EN 1648-1:2012)
Leisure accommodation vehicles – 12 V direct current extra low voltage electrical installations – Part 1: Caravans (EN 1648-1:2012)
- zamijenjena s: HRN EN 1648-1:2018

HRN EN 1648-2:2012 en
Vozila za odmor – Električne instalacije za istosmjernu struju vrlo niskoga napona od 12 V – 2. dio: Motorna vozila za stanovanje (EN 1648-2:2012)
Leisure accommodation vehicles – 12 V direct current extra low voltage electrical installations – Part 2: Motor caravans (EN 1648-2:2012)
- zamijenjena s: HRN EN 1648-2:2018

HZN/TO 28, Naftni proizvodi i maziva

HRN EN ISO 5165:1999 en
Naftni proizvodi – Određivanje sposobnosti paljenja dizelskih goriva – Cetanski broj prema motornoj metodi (ISO 5165:1998; EN ISO 5165:1998)
Petroleum products – Determination of ignition quality of diesel fuels – Cetane engine method (ISO 5165:1998; EN ISO 5165:1998)
- zamijenjena s: HRN EN ISO 5165:2018

HRN EN ISO 20623:2008 en
Nafta i srodni proizvodi – Određivanje svojstava podnošenja visokih tlakova i otpornosti na trošenje tekućina – Metoda četiri kuglice (Europski uvjeti) (ISO 20623:2003; EN ISO 20623:2003)
Petroleum and related products – Determination of the extreme-pressure and anti-wear properties of fluids – Four ball method (European conditions) (ISO 20623:2003; EN ISO 20623:2003)
- zamijenjena s: HRN EN ISO 20623:2018

HZN/TO 34, Poljoprivredni i prehrambeni proizvodi

HRN EN ISO 10399:2010 en
Senzorske analize – Metodologija – Duo-trio test (ISO 10399:2004; EN ISO 10399:2010)
Sensory analysis – Methodology – Duo-trio test (ISO 10399:2004; EN ISO 10399:2010)
- zamijenjena s: HRN EN ISO 10399:2018

HZN/TO 44, Zavarivanje i srodni postupci

HRN EN ISO 9017:2013 en
Razorno ispitivanje zavara metalnih materijala – Ispitivanje lomljenjem (ISO 9017:2001; EN ISO 9017:2013)
Destructive tests on welds in metallic materials – Fracture test (ISO 9017:2001; EN ISO 9017:2013)
- zamijenjena s: HRN EN ISO 9017:2018

HRN EN ISO 13918:2008 en
Zavarivanje – Svornjaci i keramički prstenovi za elektrodočno zavarivanje svornjaka (ISO 13918:2008; EN ISO 13918:2008)
Welding – Studs and ceramic ferrules for arc stud welding (ISO 13918:2008; EN ISO 13918:2008)
- zamijenjena s: HRN EN ISO 13918:2018

HRN EN ISO 14114:2014 en
Oprema za plinsko zavarivanje – Acetilenski razdjelni sustavi za zavarivanje, rezanje i srodne postupke – Opći zahtjevi (ISO 14114:2014; EN ISO 14114:2014)
Gas welding equipment – Acetylene manifold systems for welding, cutting and allied processes – General requirements (ISO 14114:2014; EN ISO 14114:2014)
- zamijenjena s: HRN EN ISO 14114:2018

HRN EN ISO 15653:2010 en
Metalni materijali – Metoda ispitivanja kvazistatične lomne žilavosti zavara (ISO 15653:2010; EN ISO 15653:2010)
Metallic materials – Method of test for the determination of quasistatic fracture toughness of welds (ISO 15653:2010; EN ISO 15653:2010)
- zamijenjena s: HRN EN ISO 15653:2018

HRN EN ISO 17633:2010 en
Dodatni i potrošni materijali za zavarivanje – Žice punjene praškom i šipke za elektrodočno zavarivanje sa zaštitom plina i bez zaštite plina za nehrđajuće čelike i čelike otporne na visoke temperature – Razredba (ISO 17633:2010; EN ISO 17633:2010)
Welding consumables – Tubular cored electrodes and rods for gas shielded and non-gas shielded metal arc welding of stainless and heat-resisting steels – Classification (ISO 17633:2010; EN ISO 17633:2010)
- zamijenjena s: HRN EN ISO 17633:2018

HZN/TO 46, Bibliotekarstvo, dokumentacija i informacije

HRN ISO 2108:2007 hr-en
Informacije i dokumentacija – Međunarodni standardni knjižni broj (ISBN) (ISO 2108:2005)
Information and documentation – International standard book number (ISBN) (ISO 2108:2005)
- zamijenjena s: HRN ISO 2108:2018

HRN ISO 3297:2008 hr-en
Informacije i dokumentacija – Međunarodni standardni broj serijske publikacije (ISO 3297:2007)
Information and documentation – International standard serial number (ISSN) (ISO 3297:2007)
- zamijenjena s: HRN ISO 3297:2018

HRN ISO 5127:2008 hr,en
Informacije i dokumentacija – Terminološki rječnik (ISO 5127:2001)
Information and documentation – Vocabulary (ISO 5127:2001)
- zamijenjena s: HRN ISO 5127:2018

HRN ISO 5127:2008/Ispr.1:2009 hr
Informacije i dokumentacija – Terminološki rječnik (ISO 5127:2001) – Ispravak 1
Information and documentation – Vocabulary (ISO 5127:2001) – Corrigendum 1
- zamijenjena s: HRN ISO 5127:2018

HZN/TO 92, Zaštita od požara

HRN EN 1634-1:2014 en
Ispitivanje otpornosti na požar i kontrolu dima vrata i sklopova za zatvaranje, prozora koji se mogu otvoriti i elemenata zgrade – 1. dio: Ispitivanje otpornosti na požar vrata i sklopova za zatvaranje i prozora koji se mogu otvoriti (EN 1634-1:2014)
Fire resistance and smoke control tests for door and shutter assemblies, openable windows and elements of building hardware – Part 1: Fire resistance test for door and shutter assemblies and openable windows (EN 1634-1:2014)
- zamijenjena s: HRN EN 1634-1:2018

HZN/TO 130, Grafička tehnologija

HRN ISO 12636:2001 en
Grafička tehnologija – Gumirane navlake u ofsetnom tisku (ISO 12636:1998)
Graphic technology – Blankets for offset printing (ISO 12636:1998)
- zamijenjena s: HRN ISO 12636:2018

HZN/TO 136, Namještaj

HRN EN 1116:2008 en
Kuhinjski namještaj – Koordinacijske mjere za kuhinjski namještaj i kuhinjske uređaje (EN 1116:2004)
Kitchen furniture – Co-ordinating sizes for kitchen furniture and kitchen appliances (EN 1116:2004)
- zamijenjena s: HRN EN 1116:2018

HZN/TO 145, Grafički simboli

HRN ISO 16069:2008 en
Grafički simboli – Znakovi sigurnosti – Sustav označavanja putova za evakuaciju (SWGS) (ISO 16069:2004)
Graphical symbols – Safety signs – Safety way guidance systems (SWGS) (ISO 16069:2004)
- zamijenjena s: HRN ISO 16069:2018

HZN/TO 147/PO 2, Kvaliteta vode; Fizikalno-kemijske metode ispitivanja

HRN EN ISO 7393-2:2001 en
Kakvoća vode – Određivanje slobodnoga i ukupnoga klora – 2. dio: Kolorimetrijska metoda s N,N-dietil-1,4-fenildiaminom u svrhu rutinske kontrole (ISO 7393-2:1985; EN ISO 7393-2:2000)
Water quality – Determination of free chlorine and total chlorine – Part 2: Colorimetric method using N,N-diethyl-1,4-phenylenediamine, for routine control purposes (ISO 7393-2:1985; EN ISO 7393-2:2000)
- zamijenjena s: HRN EN ISO 7393-2:2018

HZN/TO 172, Optika i optički instrumenti

HRN EN ISO 8596:2010 en
Oftalmološka optika – Ispitivanje vizualne oštine – Standardni optotipovi i njihovo prikazivanje (ISO 8596:2009; EN ISO 8596:2009)
Ophthalmic optics – Visual acuity testing – Standard optotype and its presentation (ISO 8596:2009; EN ISO 8596:2009)
- zamijenjena s: HRN EN ISO 8596:2018

HZN/TO 218, Drvo

HRN EN 1310:1999 en
Oblo i piljeno drvo – Metoda mjerenja svojstava (EN 1310:1997)
Round and sawn timber – Method of measurement of features (EN 1310:1997)
- zamijenjena s: HRN EN 1309-3:2018

HRN EN 1311:1999 en
Oblo i piljeno drvo – Metoda mjerenja bioloških oštećenja (EN 1311:1997)
Round and sawn timber – Method of measurement of biological degrade (EN 1311:1997)
- zamijenjena s: HRN EN 1309-3:2018

HZN/TO 219, Podne obloge

HRN EN ISO 10582:2013 en
Elastične podne obloge – Nehomogene polivinil-kloridne podne obloge – Specifikacija (ISO 10582:2010; EN ISO 10582:2012)
Resilient floor coverings – Heterogeneous poly(vinyl chloride) floor coverings – Specification (ISO 10582:2010; EN ISO 10582:2012)
- zamijenjena s: HRN EN ISO 10582:2018

HRN EN 14041:2008 en
Elastične, tekstilne i laminatne podne obloge – Bitne značajke (EN 14041:2004+AC:2006)
Resilient, textile and laminate floor coverings – Essential characteristics (EN 14041:2004+AC:2006)
- zamijenjena s: HRN EN 14041:2018

HZN/TO 503, Metalni materijali

HRN EN ISO 3887:2008 en
Čelici – Određivanje dubine razugličenja (ISO 3887:2003; EN ISO 3887:2003)
Steels – Determination of depth of decarburization (ISO 3887:2003; EN ISO 3887:2003)
- zamijenjena s: HRN EN ISO 3887:2018

HZN/TO 508, Ambalaža i pakiranje

HRN ISO 15394:2014 en
Ambalaža – Bar kod i dvodimenzijanski simboli etiketa za otpremu, prijevoz i primitak (ISO 15394:2009)
Packaging – Bar code and two-dimensional symbols for shipping, transport and receiving labels (ISO 15394:2009)
- zamijenjena s: HRN ISO 15394:2018

HZN/TO 509, Cestovna oprema

HRN EN 1436:2009 en
Materijali za oznake na kolniku – Značajke nužne za korisnike ceste (EN 1436:2007+A1:2008)
Road marking materials – Road marking performance for road users (EN 1436:2007+A1:2008)
- zamijenjena s: HRN EN 1436:2018

HZN/TO 513, Mjerne jedinice i mjerila

HRN ISO 3847:2005 en
Mjerenje protoka tekućina u otvorenim kanalima pomoću preljeva i suženja – Metoda krajnje dubine za procjenu protoka u pravokutnim kanalima sa slobodnim prelijevanjem (ISO 3847:1977)
Liquid flow measurement in open channels by weirs and flumes – End-depth method for estimation of flow in rectangular channels with a free overfall (ISO 3847:1977)
- zamijenjena s: HRN ISO 18481:2018

HRN ISO 4371:2009 en
Mjerenje protoka u otvorenim kanalima primjenom mjernih preljeva i kanala – Procjena iznosa protoka mjerenjem izlazne (krajnje) dubine pri istjecanju tekućine iz kanala nepravokutnoga poprečnog presjeka sa slobodnim, ventiliranim slapištem (ISO 4371:1984)
Measurement of liquid flow in open channels by weirs and flumes – End depth method for estimation of flow in non-rectangular channels with a free overfall (ISO 4371:1984)
- zamijenjena s: HRN ISO 18481:2018

HRI ISO/TR 15377:2008 en
Mjerenje protoka fluida pomoću uređaja za mjerenje razlike tlaka – Smjernice za specifikaciju mjernih prigušnica, sapnica i Venturijevih cijevi izvan područja primjene iz norme ISO 5167 (ISO/TR 15377:2007)
Measurement of fluid flow by means of pressure-differential devices – Guidelines for the specification of orifice plates, nozzles and Venturi tubes beyond the scope of ISO 5167 (ISO/TR 15377:2007)
- zamijenjena s: HRI ISO/TR 15377:2018

HZN/TO 529, Granici, dizalice i prenosila neprekidne dobave

HRN ISO 4309:2014 en
Granici – Čelična užad – Zaštita i održavanje, pregled i odbacivanje (ISO 4309:2010)
Cranes – Wire ropes – Care and maintenance, inspection and discard (ISO 4309:2010)
- zamijenjena s: HRN ISO 4309:2018

HZN/TO 531, Plastika i guma

HRN EN ISO 8028:2008 en
Gumena i/ili plastična crijeva i crijevni uređaji za bezračno prskanje boje – Specifikacija (ISO 8028:1999; EN ISO 8028:2000)
Rubber and/or plastics hoses and hose assemblies for airless paint spraying – Specification (ISO 8028:1999; EN ISO 8028:2000)
- zamijenjena s: HRN EN ISO 8028:2018

HZN/TO 533, Kolničke konstrukcije

HRN EN 12697-10:2003 en
Bitumenske mješavine – Ispitne metode za asfalt proizveden vrućim postupkom – 10. dio: Ugradljivost (EN 12697-10:2001)
Bituminous mixtures – Test methods for hot mix asphalt – Part 10: Compactability (EN 12697-10:2001)
- zamijenjena s: HRN EN 12697-10:2018

HRN EN 12697-10:2003/Ispr.1:2008 en
Bitumenske mješavine – Ispitne metode za asfalt proizveden vrućim postupkom – 10. dio: Ugradljivost (EN 12697-10:2001/AC:2007)
Bituminous mixtures – Test methods for hot mix asphalt – Part 10: Compactability (EN 12697-10:2001/AC:2007)
- zamijenjena s: HRN EN 12697-10:2018

HZN/TO 536, Vrata, prozori i staklo u graditeljstvu

HRN EN 477:2003 en
Profili od neomekšanog poli(vinil-klorida) (PVC-U) za proizvodnju prozora i vrata – Određivanje otpornosti glavnih profila na udar padajućeg tijela (EN 477:1995)
Unplasticized polyvinylchloride (PVC-U) profiles for the fabrication of windows and doors – Determination of the resistance to impact of main profiles by falling mass (EN 477:1995)
- zamijenjena s: HRN EN 477:2018

HRN EN 478:2003 en

Profili od neomekšanog poli(vinil-klorida) (PVC-U) za proizvodnju prozora i vrata – Izgled nakon izlaganja na 150 °C – Ispitne metode (EN 478:1995)
Unplasticized polyvinylchloride (PVC-U) profiles for the fabrication of windows and doors – Appearance after exposure at 150 °C – Test method (EN 478:1995)
- zamijenjena s: HRN EN 478:2018

HRN EN 479:2003 en

Profili od neomekšanog poli(vinil-klorida) (PVC-U) za proizvodnju prozora i vrata – Određivanje skupljanja na toplini (EN 479:1995)
Unplasticized polyvinylchloride (PVC-U) profiles for the fabrication of windows and doors – Determination of heat reversion (EN 479:1995)
- zamijenjena s: HRN EN 479:2018

HRN EN 514:2001 en

Profili od neomekšanog poli(vinil-klorida) (PVC-U) za proizvodnju prozora i vrata – Određivanje čvrstoće zavarenih uglova i T-spojeva (EN 514:2000)
Unplasticized polyvinylchloride (PVC-U) profiles for the fabrication of windows and doors – Determination of the strength of welded corners and T-joints (EN 514:2000)
- zamijenjena s: HRN EN 514:2018

HZN/TO 537, Tehnički crteži, dimenzijske i geometrijske specifikacije, opis proizvoda i odgovarajuća dokumentacija

HRN EN ISO 6412-1:2004 en

Tehnički crteži – Pojednostavljeni prikaz cjevovoda – 1. dio: Opća pravila i ortogonalni prikaz (ISO 6412-1:1989; EN ISO 6412-1:1994)
Technical drawings – Simplified representation of pipelines – Part 1: General rules and orthogonal representation (ISO 6412-1:1989; EN ISO 6412-1:1994)
- zamijenjena s: HRN EN ISO 6412-1:2018

HRN EN ISO 6412-2:2004 en

Tehnički crteži – Pojednostavljeni prikaz cjevovoda – 2. dio: Izometrijska projekcija (ISO 6412-2:1989; EN ISO 6412-2:1994)
Technical drawings – Simplified representation of pipelines – Part 2: Isometric projection (ISO 6412-2:1989; EN ISO 6412-2:1994)
- zamijenjena s: HRN EN ISO 6412-2:2018

HRN EN ISO 6412-3:2008 en

Tehnički crteži – Pojednostavljeni prikaz cjevovoda – 3. dio: Značajke završetaka ventilacijskih i odvodnih sustava (ISO 6412-3:1993; EN ISO 6412-3:1996)
Technical drawings – Simplified representation of pipelines – Part 3: Terminal features of ventilation and drainage systems (ISO 6412-3:1993; EN ISO 6412-3:1996)
- zamijenjena s: HRN EN ISO 6412-3:2018

HZN/TO 555, Medicinski proizvodi

HRN EN ISO 11737-1:2006 en

Sterilizacija medicinskoga pribora – Mikrobiološke metode – 1. dio: Određivanje vrste i broja mikroorganizama na proizvodima (ISO 11737-1:2006; EN ISO 11737-1:2006)
Sterilization of medical devices – Microbiological methods – Part 1: Determination of a population of microorganisms on products (ISO 11737-1:2006; EN ISO 11737-1:2006)
- zamijenjena s: HRN EN ISO 11737-1:2018

HRN EN ISO 11737-1:2006/Ispr.1:2009 en

Sterilizacija medicinskoga pribora – Mikrobiološke metode – 1. dio: Određivanje vrste i broja mikroorganizama na proizvodima (ISO 11737-1:2006/Cor 1:2007; EN ISO 11737-1:2006/AC:2009)
Sterilization of medical devices – Microbiological methods – Part 1: Determination of a population of microorganisms on products (ISO 11737-1:2006/Cor 1:2007; EN ISO 11737-1:2006/AC:2009)
- zamijenjena s: HRN EN ISO 11737-1:2018

HZN/TO 560, Tekstilni proizvodi

HRN EN ISO 3175-1:2010 en

Tekstil – Profesionalna njega, kemijsko čišćenje i mokro čišćenje tkanina i odjevnih predmeta – 1. dio: Ocjenjivanje učinka čišćenja i završne obrade (ISO 3175-1:2010; EN ISO 3175-1:2010)
Textiles – Professional care, drycleaning and wetcleaning of fabrics and garments – Part 1: Assessment of performance after cleaning and finishing (ISO 3175-1:2010; EN ISO 3175-1:2010)
- zamijenjena s: HRN EN ISO 3175-1:2018

HRN EN ISO 3175-2:2010 en

Tekstil – Profesionalna njega, kemijsko čišćenje i mokro čišćenje tkanina i odjevnih predmeta – 2. dio: Postupak ispitivanja učinka čišćenja i završne obrade tetrakloretilenom (ISO 3175-2:2010; EN ISO 3175-2:2010)
Textiles – Professional care, drycleaning and wetcleaning of fabrics and garments – Part 2: Procedure for testing performance when cleaning and finishing using tetrachloroethene (ISO 3175-2:2010; EN ISO 3175-2:2010)
- zamijenjena s: HRN EN ISO 3175-2:2018

HRN EN ISO 3175-3:2008 en

Tekstilije – Profesionalna njega, kemijsko čišćenje i mokro čišćenje plošnih tekstila i odjevnih predmeta – 3. dio: Postupak za ispitivanje djelovanja ugljikovodikovih otapala pri čišćenju i oplemenjivanju (ISO 3175-3:2003; EN ISO 3175-3:2003)
Textiles – Professional care, drycleaning and wetcleaning of fabrics and garments – Part 3: Procedure for testing performance when cleaning and finishing using hydrocarbon solvent (ISO 3175-3:2003; EN ISO 3175-3:2003)
- zamijenjena s: HRN EN ISO 3175-3:2018

HRN EN ISO 3175-3:2008/Ispr.1:2012 en

Tekstilije – Profesionalna njega, kemijsko čišćenje i mokro čišćenje plošnih tekstila i odjevnih predmeta – 3. dio: Postupak za ispitivanje djelovanja ugljikovodikovih otapala pri čišćenju i oplemenjivanju – Tehnički ispravak 1 (ISO 3175-3:2003/Cor 1:2009; EN ISO 3175-3:2003/AC:2012)
Textiles – Professional care, drycleaning and wetcleaning of fabrics and garments – Part 3: Procedure for testing performance when cleaning and finishing using hydrocarbon solvents – Technical Corrigendum 1 (ISO 3175-3:2003/Cor 1:2009; EN ISO 3175-3:2003/AC:2012)
- zamijenjena s: HRN EN ISO 3175-3:2018

HZN/TO 562, Alatni strojevi i alati

HRN EN 12013:2008 en

Strojevi za gumu i plastiku – Unutrašnje mješalice – Sigurnosni zahtjevi (EN 12013:2000+A1:2008)
Plastics and rubber machines – Internal mixers – Safety requirements (EN 12013:2000+A1:2008)
- zamijenjena s: HRN EN 12013:2018

HZN/TO 563, Sigurnost strojeva

HRN EN 1037:2008 en

Sigurnost strojeva – Sprečavanje neočekivanog uključivanja (EN 1037:1995+A1:2008)
Safety of machinery – Prevention of unexpected start-up (EN 1037:1995+A1:2008)
- zamijenjena s: HRN EN ISO 14118:2018

HZN/TO 571, Sport, igrališta i ostali rekreacijski sadržaji i oprema

HRN ISO 6003:2005 en

Skije za alpsko skijanje – Određivanje mase i polarnog momenta inercije – Laboratorijska metoda mjerenja (ISO 6003:1984)
Alpine skis – Determination of mass and polar moment of inertia – Laboratory measurement method (ISO 6003:1984)
- zamijenjena s: HRN ISO 6003:2018

HRN ISO 7138:2016 en

Skije za skijaško trčanje – Određivanje mase i položaja točke ravnoteže (ISO 7138:1984)
Cross-country skis – Determination of mass and location of balance point (ISO 7138:1984)
- zamijenjena s: HRN ISO 7138:2018

HRN ISO 7139:2016 en
Skije za skijaško trčanje – Određivanje elastičnih svojstava (ISO 7139:1984)
Cross-country skis – Determination of elastic properties (ISO 7139:1984)
- zamijenjena s: HRN ISO 7139:2018

HRN ISO 7798:2016 en
Skije za skijaško trčanje – Određivanje indeksa zamora materijala – Test cikličkog opterećenja (ISO 7798:1984)
Cross-country skis – Determination of fatigue indexes – Cyclic loading test (ISO 7798:1984)
- zamijenjena s: HRN ISO 7798:2018

HRN ISO 8364:2012 en
Skije za alpsko skijanje i vezovi – Površina za montažu veza – Zahtjevi i metode ispitivanja (ISO 8364:2007)
Alpine skis and bindings – Binding mounting area – Requirements and test methods (ISO 8364:2007)
- zamijenjena s: HRN ISO 8364:2018

HRN ISO 10045:2005 en
Skije za alpsko skijanje – Površina za montažu veza – Zahtjevi za ispitivanje vijka (ISO 10045:1991)
Alpine skis – Binding mounting area – Requirements for test screws (ISO 10045:1991)
- zamijenjena s: HRN ISO 10045:2018

HZN/TO E31, *Eksplzivne atmosfere*

HRN EN 14460:2007 en
Oprema otporna na eksploziju (EN 14460:2006)
Explosion resistant equipment (EN 14460:2006)
- zamijenjena s: HRN EN 14460:2018

HZN/TU A1, *Usluge, proizvodi za kućanstvo i slobodno vrijeme 1*

HRN EN 131-3:2011 hr
Ljestve – 3. dio: Upute za korisnike (EN 131-3:2007)
Ladders – Part 3: User Instructions (EN 131-3:2007)
- zamijenjena s: HRN EN 131-3:2018

HZN/TU C1, *Kemikalije, kemijsko inženjerstvo, poljoprivredni i prehrambeni proizvodi 1*

HRN EN ISO 6270-1:2004 en
Boje i lakovi – Određivanje otpornosti na vlagu – 1. dio: Stalna kondenzacija (ISO 6270-1:1998; EN ISO 6270-1:2001)
Paints and varnishes – Determination of resistance to humidity – Part 1: Continuous condensation (ISO 6270-1:1998; EN ISO 6270-1:2001)
- zamijenjena s: HRN EN ISO 6270-1:2018

HRN EN ISO 6270-2:2007 en
Boje i lakovi – Određivanje otpornosti na vlagu – 2. dio: Postupak izlaganja ispitnih uzoraka vodenom kondenzatu (ISO 6270-2:2005; EN ISO 6270-2:2005)
Paints and varnishes – Determination of resistance to humidity – Part 2: Procedure for exposing test specimens in condensation-water atmospheres (ISO 6270-2:2005; EN ISO 6270-2:2005)
- zamijenjena s: HRN EN ISO 6270-2:2018

HRN EN 15773:2010 en
Industrijska primjena praškastih organskih prekrivnih materijala na čelične proizvode pocinčane vrućim uranjanjem (dubinska galvanizacija) ili šerardiziranjem čeličnih proizvoda [duplex sustavi] – Specifikacije, preporuke i smjernice (EN 15773:2009)
Industrial application of powder organic coatings to hot dip galvanized or sherardized steel articles [duplex systems] – Specifications, recommendations and guidelines (EN 15773:2009)
- zamijenjena s: HRN EN 15773:2018

HZN/TU I2, *Strojarstvo 2*

HRN EN 474-1:2014 en
Strojevi za zemljane radove – Sigurnost – 1. dio: Opći zahtjevi (EN 474-1:2006+A4:2013)
Earth-moving machinery – Safety – Part 1: General requirements (EN 474-1:2006+A4:2013)
- zamijenjena s: HRN EN 474-1:2018

HRN EN 474-1:2014/Ispr.1:2014 en
Strojevi za zemljane radove – Sigurnost – 1. dio: Opći zahtjevi (EN 474-1:2006+A4:2013/AC:2014)
Earth-moving machinery – Safety – Part 1: General requirements (EN 474-1:2006+A4:2013/AC:2014)
- zamijenjena s: HRN EN 474-1:2018

HZN/TU S1, *Zdravlje, okoliš i medicinska oprema 1*

HRN EN ISO 21533:2008 en
Stomatologija – Višekratne štrcaljke s ampulom za intraligamentnu injekciju (ISO 21533:2003; EN ISO 21533:2003)
Dentistry – Reusable cartridge syringes intended for intraligamentary injections (ISO 21533:2003; EN ISO 21533:2003)
- zamijenjena s: HRN EN ISO 21533:2018

HRN EN ISO 21533:2008/Ispr.1:2013 en
Stomatologija – Višekratne štrcaljke s ampulom za intraligamentnu injekciju – Tehnički ispravak 1 (ISO 21533:2003/Cor 1:2009; EN ISO 21533:2003/AC:2009)
Dentistry – Reusable cartridge syringes intended for intraligamentary injections – Technical Corrigendum 1 (ISO 21533:2003/Cor 1:2009; EN ISO 21533:2003/AC:2009)
- zamijenjena s: HRN EN ISO 21533:2018

HZN/TU T1, *Prijevoz, rukovanje materijalima i pakiranje 1*

HRN EN 3475-603:2011 en
Nizovi o zrakoplovstvu – Električni kabeli za upotrebu u zrakoplovstvu – Metode ispitivanja – 603. dio: Otpornost na iskrenje u vlazi (EN 3475-603:2011)
Aerospace series – Cables, electrical, aircraft use – Test methods – Part 603: Resistance to wet arc tracking (EN 3475-603:2011)
- zamijenjena s: HRN EN 3475-603:2018

HRN EN 3475-603:2011/Ispr.1:2012 en
Nizovi o zrakoplovstvu – Električni kabeli za upotrebu u zrakoplovstvu – Metode ispitivanja – 603. dio: Otpornost na iskrenje u vlazi (EN 3475-603:2011/AC:2011)
Aerospace series – Cables, electrical, aircraft use – Test methods – Part 603: Resistance to wet arc tracking (EN 3475-603:2011/AC:2011)
- zamijenjena s: HRN EN 3475-603:2018

1.6 Ispravci hrvatskih norma

U popisima hrvatskih norma objavljenim u ranijim brojevima službenog glasila potkrale su se pogreške. Niže navodimo ispravne oznake i naslove hrvatskih norma. Navedeni ispravci smatraju se službenom informacijom i nisu nužno uključeni u norme koje su prethodno objavljene.

HZN/TO 43, *Akustika*

• umjesto

HRN EN ISO 16283-1:2014
Akustika – Terensko mjerenje zvučne izolacije **zgrada** i građevnih dijelova zgrade – 1. dio: Zračna zvučna izolacija (ISO 16283-1:2014; EN ISO 16283-1:2014)
Acoustics – Field measurement of sound insulation in buildings and of building elements – Part 1: Airborne sound insulation (ISO 16283-1:2014; EN ISO 16283-1:2014)

• treba biti

HRN EN ISO 16283-1:2014
Akustika – Terensko mjerenje zvučne izolacije **u zgradama** i građevnih dijelova zgrade – 1. dio: Zračna zvučna izolacija (ISO 16283-1:2014; EN ISO 16283-1:2014)
Acoustics – Field measurement of sound insulation in buildings and of building elements – Part 1: Airborne sound insulation (ISO 16283-1:2014; EN ISO 16283-1:2014)

- **umjesto**

HRN EN ISO 16283-1:2014/A1:2018

Akustika – Terensko mjerenje zvučne izolacije u zgradama i **izolacije** građevnih dijelova zgrade – 1. dio: Zračna zvučna izolacija (ISO 16283-1:2014/Amd 1:2017; EN ISO 16283-1:2014/A1:2017)
Acoustics – Field measurement of sound insulation in buildings and of building elements – Part 1: Airborne sound insulation (ISO 16283-1:2014/Amd 1:2017; EN ISO 16283-1:2014/A1:2017)

- **treba biti**

HRN EN ISO 16283-1:2014/A1:2018

Akustika – Terensko mjerenje zvučne izolacije u zgradama i građevnih dijelova zgrade – 1. dio: Zračna zvučna izolacija (ISO 16283-1:2014/Amd 1:2017; EN ISO 16283-1:2014/A1:2017)
Acoustics – Field measurement of sound insulation in buildings and of building elements – Part 1: Airborne sound insulation (ISO 16283-1:2014/Amd 1:2017; EN ISO 16283-1:2014/A1:2017)

- **umjesto**

HRN EN ISO 16283-2:2015

Akustika – Terensko mjerenje zvučne izolacije **zgrada** i građevnih dijelova zgrade – 2. dio: Udarna zvučna izolacija (ISO 16283-2:2015; EN ISO 16283-2:2015)
Acoustics – Field measurement of sound insulation in buildings and of building elements – Part 2: Impact sound insulation (ISO 16283-2:2015; EN ISO 16283-2:2015)

- **treba biti**

HRN EN ISO 16283-2:2015

Akustika – Terensko mjerenje zvučne izolacije **u zgradama** i građevnih dijelova zgrade – 2. dio: Udarna zvučna izolacija (ISO 16283-2:2015; EN ISO 16283-2:2015)
Acoustics – Field measurement of sound insulation in buildings and of building elements – Part 2: Impact sound insulation (ISO 16283-2:2015; EN ISO 16283-2:2015)

- **umjesto**

HRN EN ISO 16283-3:2016

Akustika – Terensko mjerenje zvučne izolacije **zgrada** i građevnih dijelova zgrade – 3. dio: Zvučna izolacija fasada (ISO 16283-3:2016; EN ISO 16283-3:2016)
Acoustics – Field measurement of sound insulation in buildings and of building elements – Part 3: Facade sound insulation (ISO 16283-3:2016; EN ISO 16283-3:2016)

- **treba biti**

HRN EN ISO 16283-3:2016

Akustika – Terensko mjerenje zvučne izolacije **u zgradama** i građevnih dijelova zgrade – 3. dio: Zvučna izolacija fasada (ISO 16283-3:2016; EN ISO 16283-3:2016)
Acoustics – Field measurement of sound insulation in buildings and of building elements – Part 3: Facade sound insulation (ISO 16283-3:2016; EN ISO 16283-3:2016)

HZN/TO 108, Mehaničke vibracije i udari

- **umjesto**

HRN ISO 2631-4:2010

Mehaničke vibracije i udari – **Procjena** izloženosti ljudi vibracijama cijelog tijela – 4. dio: Smjernice za procjenu utjecaja vibracija i rotacijskih gibanja na udobnost putnika i **posada** u transportnim sustavima s fiksnim vođenjem (ISO 2631-4:2001)
Mechanical vibration and shock – Evaluation of human exposure to whole-body vibration – Part 4: Guidelines for the evaluation of the effects of vibration and rotational motion on passenger and crew comfort in fixed-guideway transport systems (ISO 2631-4:2001)

- **treba biti**

HRN ISO 2631-4:2010

Mehaničke vibracije i udari – **Ocjenjivanje** izloženosti ljudi vibracijama cijelog tijela – 4. dio: Smjernice za procjenu utjecaja vibracija i rotacijskih gibanja na udobnost putnika i **posade** u transportnim sustavima s fiksnim vođenjem (ISO 2631-4:2001)
Mechanical vibration and shock – Evaluation of human exposure to whole-body vibration – Part 4: Guidelines for the evaluation of the effects of vibration and rotational motion on passenger and crew comfort in fixed-guideway transport systems (ISO 2631-4:2001)

HZN/TO 159, Ergonomija

- **umjesto**

HRN EN 547-1:2010

Sigurnost strojeva – Mjerenja ljudskog tijela – 1. dio: Načela određivanja dimenzija potrebnih za pristupne otvore **u stroj cijelim tijelom** (EN 547-1:1996+A1:2008)
Safety of machinery – Human body measurements – Part 1: Principles for determining the dimensions required for openings for whole body access into machinery (EN 547-1:1996+A1:2008)

- **treba biti**

HRN EN 547-1:2010

Sigurnost strojeva – Mjerenja ljudskog tijela – 1. dio: Načela određivanja dimenzija potrebnih za pristupne otvore **prilikom ulaska cijelim tijelom u stroj** (EN 547-1:1996+A1:2008)
Safety of machinery – Human body measurements – Part 1: Principles for determining the dimensions required for openings for whole body access into machinery (EN 547-1:1996+A1:2008)

- **umjesto**

HRN EN 894-1:2010

Sigurnost strojeva – Ergonomski zahtjevi za oblikovanje zaslona i upravljačkih sklopova – 1. dio: Opća načela za **međudjelovanje** čovjeka i zaslona te upravljačkih sklopova (EN 894-1:1997+A1:2008)
Safety of machinery – Ergonomics requirements for the design of displays and control actuators – Part 1: General principles for human interactions with displays and control actuators (EN 894-1:1997+A1:2008)

- **treba biti**

HRN EN 894-1:2010

Sigurnost strojeva – Ergonomski zahtjevi za oblikovanje zaslona i upravljačkih sklopova – 1. dio: Opća načela za **interakciju** čovjeka i zaslona te upravljačkih sklopova (EN 894-1:1997+A1:2008)
Safety of machinery – Ergonomics requirements for the design of displays and control actuators – Part 1: General principles for human interactions with displays and control actuators (EN 894-1:1997+A1:2008)

- **umjesto**

HRN EN 894-4:2010

Sigurnost strojeva – Ergonomski zahtjevi za **dizajniranje** zaslona i upravljačkih sklopova – 4. dio: Smještaj i uređenje zaslona i upravljačkih sklopova (EN 894-4:2010)
Safety of machinery – Ergonomics requirements for the design of displays and control actuators – Part 4: Location and arrangement of displays and control actuators (EN 894-4:2010)

- **treba biti**

HRN EN 894-4:2010

Sigurnost strojeva – Ergonomski zahtjevi za **oblikovanje** zaslona i upravljačkih sklopova – 4. dio: Smještaj i uređenje zaslona i upravljačkih sklopova (EN 894-4:2010)
Safety of machinery – Ergonomics requirements for the design of displays and control actuators – Part 4: Location and arrangement of displays and control actuators (EN 894-4:2010)

- **umjesto**

HRN EN ISO 6385:2016

Ergonomska načela u **dizajniranju** radnih sustava (ISO 6385:2016; EN ISO 6385:2016)
Ergonomic principles in the design of work systems (ISO 6385:2016; EN ISO 6385:2016)

- **treba biti**

HRN EN ISO 6385:2016

Ergonomska načela u **oblikovanju** radnih sustava (ISO 6385:2016; EN ISO 6385:2016)
Ergonomic principles in the design of work systems (ISO 6385:2016; EN ISO 6385:2016)

- **umjesto**
HRN EN ISO 9241-110:2007
Ergonomija **međudjelovanja** čovjek-sustav – 110. dio: Dijaloška načela (ISO 9241-110:2006; EN ISO 9241-110:2006)
Ergonomics of human-system interaction – Part 110: Dialogue principles (ISO 9241-110:2006; EN ISO 9241-110:2006)

- **treba biti**
HRN EN ISO 9241-110:2007
Ergonomija **interakcije** čovjek-sustav – 110. dio: Dijaloška načela (ISO 9241-110:2006; EN ISO 9241-110:2006)
Ergonomics of human-system interaction – Part 110: Dialogue principles (ISO 9241-110:2006; EN ISO 9241-110:2006)

- **umjesto**
HRN EN ISO 9241-125:2017
Ergonomija **međudjelovanja** čovjek-sustav – 125. dio: Upute za vizualni prikaz informacija (ISO 9241-125:2017; EN ISO 9241-125:2017)
Ergonomics of human-system interaction – Part 125: Guidance on visual presentation of information (ISO 9241-125:2017; EN ISO 9241-125:2017)

- **treba biti**
HRN EN ISO 9241-125:2017
Ergonomija **interakcije** čovjek-sustav – 125. dio: Upute za vizualni prikaz informacija (ISO 9241-125:2017; EN ISO 9241-125:2017)
Ergonomics of human-system interaction – Part 125: Guidance on visual presentation of information (ISO 9241-125:2017; EN ISO 9241-125:2017)

- **umjesto**
HRN EN ISO 9241-129:2011
Ergonomija **međudjelovanja** čovjek-sustav – 129. dio: Upute za individualni pristup (ISO 9241-129:2010; EN ISO 9241-129:2010)
Ergonomics of human-system interaction – Part 129: Guidance on software individualization (ISO 9241-129:2010; EN ISO 9241-129:2010)

- **treba biti**
HRN EN ISO 9241-129:2011
Ergonomija **interakcije** čovjek-sustav – 129. dio: Upute za individualni pristup (ISO 9241-129:2010; EN ISO 9241-129:2010)
Ergonomics of human-system interaction – Part 129: Guidance on software individualization (ISO 9241-129:2010; EN ISO 9241-129:2010)

- **umjesto**
HRN EN ISO 9241-143:2012
Ergonomija **međudjelovanja** čovjek-sustav – 143. dio: Oblici (ISO 9241-143:2012; EN ISO 9241-143:2012)
Ergonomics of human-system interaction – Part 143: Forms (ISO 9241-143:2012; EN ISO 9241-143:2012)

- **treba biti**
HRN EN ISO 9241-143:2012
Ergonomija **interakcije** čovjek-sustav – 143. dio: Oblici (ISO 9241-143:2012; EN ISO 9241-143:2012)
Ergonomics of human-system interaction – Part 143: Forms (ISO 9241-143:2012; EN ISO 9241-143:2012)

- **umjesto**
HRN EN ISO 9241-151:2008
Ergonomija **uzajamnog djelovanja** čovjek-sustav – 151. dio: Upravljanje korisničkim sučeljima na svjetskoj mreži (ISO 9241-151:2008; EN ISO 9241-151:2008)
Ergonomics of human-system interaction – Part 151: Guidance on World Wide Web user interfaces (ISO 9241-151:2008; EN ISO 9241-151:2008)

- **treba biti**
HRN EN ISO 9241-151:2008
Ergonomija **interakcije** čovjek-sustav – 151. dio: Upravljanje korisničkim sučeljima na svjetskoj mreži (ISO 9241-151:2008; EN ISO 9241-151:2008)
Ergonomics of human-system interaction – Part 151: Guidance on World Wide Web user interfaces (ISO 9241-151:2008; EN ISO 9241-151:2008)

- **umjesto**
HRN EN ISO 9241-161:2016
Ergonomija **međudjelovanja** čovjek-sustav – 161. dio: Smjernice za vizualne elemente korisničkog sučelja (ISO 9241-161:2016; EN ISO 9241-161:2016)
Ergonomics of human-system interaction – Part 161: Guidance on visual user-interface elements (ISO 9241-161:2016; EN ISO 9241-161:2016)

- **treba biti**
HRN EN ISO 9241-161:2016
Ergonomija **interakcije** čovjek-sustav – 161. dio: Smjernice za vizualne elemente korisničkog sučelja (ISO 9241-161:2016; EN ISO 9241-161:2016)
Ergonomics of human-system interaction – Part 161: Guidance on visual user-interface elements (ISO 9241-161:2016; EN ISO 9241-161:2016)

- **umjesto**
HRN EN ISO 9241-210:2010
Ergonomija **međudjelovanja** čovjek-sustav – 210. dio: Dizajn interaktivnih sustava prilagođenih ljudima (ISO 9241-210:2010; EN ISO 9241-210:2010)
Ergonomics of human-system interaction – Part 210: Human-centred design for interactive systems (ISO 9241-210:2010; EN ISO 9241-210:2010)

- **treba biti**
HRN EN ISO 9241-210:2010
Ergonomija **interakcije** čovjek-sustav – 210. dio: Dizajn interaktivnih sustava prilagođenih ljudima (ISO 9241-210:2010; EN ISO 9241-210:2010)
Ergonomics of human-system interaction – Part 210: Human-centred design for interactive systems (ISO 9241-210:2010; EN ISO 9241-210:2010)

- **umjesto**
HRN EN ISO 9241-303:2012
Ergonomija **međudjelovanja** čovjek-sustav – 303. dio: Zahtjevi za zaslon (ISO 9241-303:2011; EN ISO 9241-303:2011)
Ergonomics of human-system interaction – Part 303: Requirements for electronic visual displays (ISO 9241-303:2011; EN ISO 9241-303:2011)

- **treba biti**
HRN EN ISO 9241-303:2012
Ergonomija **interakcije** čovjek-sustav – 303. dio: Zahtjevi za zaslon (ISO 9241-303:2011; EN ISO 9241-303:2011)
Ergonomics of human-system interaction – Part 303: Requirements for electronic visual displays (ISO 9241-303:2011; EN ISO 9241-303:2011)

- **umjesto**
HRN EN ISO 9241-391:2016
Ergonomija **međudjelovanja** čovjek-sustav – 391. dio: Zahtjevi, analize i metode ispitivanja sukladnosti za redukciju fotosenzitivnih epileptičnih napadaja (ISO 9241-391:2016; EN ISO 9241-391:2016)
Ergonomics of Human System Interaction – Part 391: Requirements, analysis and compliance test methods for the reduction of photosensitive seizures (ISO 9241-391:2016; EN ISO 9241-391:2016)

- **treba biti**
HRN EN ISO 9241-391:2016
Ergonomija **interakcije** čovjek-sustav – 391. dio: Zahtjevi, analize i metode ispitivanja sukladnosti za redukciju fotosenzitivnih epileptičnih napadaja (ISO 9241-391:2016; EN ISO 9241-391:2016)
Ergonomics of Human System Interaction – Part 391: Requirements, analysis and compliance test methods for the reduction of photosensitive seizures (ISO 9241-391:2016; EN ISO 9241-391:2016)

• **umjesto**
HRN EN ISO 9241-400:2008
Ergonomija **međudjelovanja** čovjek-sustav – 400. dio: Načela i zahtjevi za uređaje za fizičko unošenje podataka (ISO 9241-400:2007; EN ISO 9241-400:2007)
Ergonomics of human-system interaction – Part 400: Principles and requirements for physical input devices (ISO 9241-400:2007; EN ISO 9241-400:2007)

• **treba biti**
HRN EN ISO 9241-400:2008
Ergonomija **interakcije** čovjek-sustav – 400. dio: Načela i zahtjevi za uređaje za fizičko unošenje podataka (ISO 9241-400:2007; EN ISO 9241-400:2007)
Ergonomics of human-system interaction – Part 400: Principles and requirements for physical input devices (ISO 9241-400:2007; EN ISO 9241-400:2007)

• **umjesto**
HRN EN ISO 9241-410:2008
Ergonomija **međudjelovanja** čovjek-sustav – 410. dio: Kriteriji za projektiranje uređaja za fizičko unošenje podataka (ISO 9241-410:2008; EN ISO 9241-410:2008)
Ergonomics of human-system interaction – Part 410: Design criteria for physical input devices (ISO 9241-410:2008; EN ISO 9241-410:2008)

• **treba biti**
HRN EN ISO 9241-410:2008
Ergonomija **interakcije** čovjek-sustav – 410. dio: Kriteriji za projektiranje uređaja za fizičko unošenje podataka (ISO 9241-410:2008; EN ISO 9241-410:2008)
Ergonomics of human-system interaction – Part 410: Design criteria for physical input devices (ISO 9241-410:2008; EN ISO 9241-410:2008)

• **umjesto**
HRN EN ISO 9241-410:2008/A1:2012
Ergonomija **međudjelovanja** čovjek-sustav – 410. dio: Kriteriji za projektiranje uređaja za fizičko unošenje podataka (ISO 9241-410:2008/Amd 1:2012; EN ISO 9241-410:2008/A1:2012)
Ergonomics of human-system interaction – Part 410: Design criteria for physical input devices (ISO 9241-410:2008/Amd 1:2012; EN ISO 9241-410:2008/A1:2012)

• **treba biti**
HRN EN ISO 9241-410:2008/A1:2012
Ergonomija **interakcije** čovjek-sustav – 410. dio: Kriteriji za projektiranje uređaja za fizičko unošenje podataka (ISO 9241-410:2008/Amd 1:2012; EN ISO 9241-410:2008/A1:2012)
Ergonomics of human-system interaction – Part 410: Design criteria for physical input devices (ISO 9241-410:2008/Amd 1:2012; EN ISO 9241-410:2008/A1:2012)

• **umjesto**
HRN EN ISO 9241-420:2011
Ergonomija **međudjelovanja** čovjek-sustav – 420. dio: Postupci odabira uređaja s ulaznom jedinicom (ISO 9241-420:2011; EN ISO 9241-420:2011)
Ergonomics of human-system interaction – Part 420: Selection of physical input devices (ISO 9241-420:2011; EN ISO 9241-420:2011)

• **treba biti**
HRN EN ISO 9241-420:2011
Ergonomija **interakcije** čovjek-sustav – 420. dio: Postupci odabira uređaja s ulaznom jedinicom (ISO 9241-420:2011; EN ISO 9241-420:2011)
Ergonomics of human-system interaction – Part 420: Selection of physical input devices (ISO 9241-420:2011; EN ISO 9241-420:2011)

• **umjesto**
HRN EN ISO 9241-910:2011
Ergonomija **međudjelovanja** čovjek-sustav – 910. dio: Okvir za **opipno i osjetno međudjelovanje** (ISO 9241-910:2011; EN ISO 9241-910:2011)
Ergonomics of human-system interaction – Part 910: Framework for tactile and haptic interaction (ISO 9241-910:2011; EN ISO 9241-910:2011)

• **treba biti**
HRN EN ISO 9241-910:2011
Ergonomija **interakcije** čovjek-sustav – 910. dio: Okvir za **opipno i osjetnu interakciju** (ISO 9241-910:2011; EN ISO 9241-910:2011)
Ergonomics of human-system interaction – Part 910: Framework for tactile and haptic interaction (ISO 9241-910:2011; EN ISO 9241-910:2011)

• **umjesto**
HRN ISO 9355-1:2003
Ergonomski zahtjevi za dizajn zaslona i pokretača upravljanja – 1. dio: **Međudjelovanja** čovjeka i zaslona te pokretača upravljanja (ISO 9355-1:1999)
Ergonomic requirements for the design of display and control actuators – Part 1: Human interactions with displays and control actuators (ISO 9355-1:1999)

• **treba biti**
HRN ISO 9355-1:2003
Ergonomski zahtjevi za dizajn zaslona i pokretača upravljanja – 1. dio: **Interakcija** čovjeka i zaslona te pokretača upravljanja (ISO 9355-1:1999)
Ergonomic requirements for the design of display and control actuators – Part 1: Human interactions with displays and control actuators (ISO 9355-1:1999)

• **umjesto**
HRN EN ISO 11064-4:2014
Ergonomski dizajn **upravljačkih** centara – 4. dio: Izgled i dimenzije mjesta rada (ISO 11064-4:2013; EN ISO 11064-4:2013)
Ergonomic design of control centres – Part 4: Layout and dimensions of workstations (ISO 11064-4:2013; EN ISO 11064-4:2013)

• **treba biti**
HRN EN ISO 11064-4:2014
Ergonomski dizajn **nadzorno-upravljačkih** centara – 4. dio: Izgled i dimenzije mjesta rada (ISO 11064-4:2013; EN ISO 11064-4:2013)
Ergonomic design of control centres – Part 4: Layout and dimensions of workstations (ISO 11064-4:2013; EN ISO 11064-4:2013)

• **umjesto**
HRN EN ISO 11064-5:2010
Ergonomski **oblikovanje** nadzorno-upravljačkih centara – 5. dio: Zasloni i upravljačke jedinice (ISO 11064-5:2008; EN ISO 11064-5:2008)
Ergonomic design of control centres – Part 5: Displays and controls (ISO 11064-5:2008; EN ISO 11064-5:2008)

• **treba biti**
HRN EN ISO 11064-5:2010
Ergonomski **dizajn** nadzorno-upravljačkih centara – 5. dio: Zasloni i upravljačke jedinice (ISO 11064-5:2008; EN ISO 11064-5:2008)
Ergonomic design of control centres – Part 5: Displays and controls (ISO 11064-5:2008; EN ISO 11064-5:2008)

• **umjesto**
HRN EN ISO 11064-6:2007
Ergonomsko **oblikovanje** nadzorno-upravljačkih centara – 6. dio: Zahtjevi za radnu okolinu nadzorno-upravljačkih centara (ISO 11064-6:2005; EN ISO 11064-6:2005)
Ergonomic design of control centres – Part 6: Environmental requirements for control centres (ISO 11064-6:2005; EN ISO 11064-6:2005)

• **treba biti**
HRN EN ISO 11064-6:2007
Ergonomski **dizajn** nadzorno-upravljačkih centara – 6. dio: Zahtjevi za radnu okolinu nadzorno-upravljačkih centara (ISO 11064-6:2005; EN ISO 11064-6:2005)
Ergonomic design of control centres – Part 6: Environmental requirements for control centres (ISO 11064-6:2005; EN ISO 11064-6:2005)

• **umjesto**
HRN EN ISO 13731:2006
Ergonomija **toplinske okoline** – Rječnik i simboli (ISO 13731:2001; EN ISO 13731:2001)
Ergonomics of the thermal environment – Vocabulary and symbols (ISO 13731:2001; EN ISO 13731:2001)

• **treba biti**
HRN EN ISO 13731:2006
Ergonomija **toplinskog okoliša** – Rječnik i simboli (ISO 13731:2001; EN ISO 13731:2001)
Ergonomics of the thermal environment – Vocabulary and symbols (ISO 13731:2001; EN ISO 13731:2001)

• **umjesto**
HRN EN ISO 13732-3:2010
Ergonomija toplinskog **okruženja** – Metode za procjenu ljudskih reakcija na kontakt s površinama – 3. dio: Hladne površine (ISO 13732-3:2005; EN ISO 13732-3:2008)
Ergonomics of the thermal environment – Methods for the assessment of human responses to contact with surfaces – Part 3: Cold surfaces (ISO 13732-3:2005; EN ISO 13732-3:2008)

• **treba biti**
HRN EN ISO 13732-3:2010
Ergonomija toplinskog **okoliša** – Metode za procjenu ljudskih reakcija na kontakt s površinama – 3. dio: Hladne površine (ISO 13732-3:2005; EN ISO 13732-3:2008)
Ergonomics of the thermal environment – Methods for the assessment of human responses to contact with surfaces – Part 3: Cold surfaces (ISO 13732-3:2005; EN ISO 13732-3:2008)

• **umjesto**
HRN EN ISO 14505-3:2007
Ergonomsko oblikovanje toplinskog okoliša – Procjena toplinskog okoliša u vozilima – 3. dio: Procjena toplinske udobnosti čovjeka (ISO 14505-3:2006; EN ISO 14505-3:2006)
Ergonomics of the thermal environment – Evaluation of the thermal environment in vehicles – Part 3: Evaluation of thermal comfort using human subjects (ISO 14505-3:2006; EN ISO 14505-3:2006)

• **treba biti**
HRN EN ISO 14505-3:2007
Ergonomija toplinskog okoliša – Procjena toplinskog okoliša u vozilima – 3. dio: Procjena toplinske udobnosti čovjeka (ISO 14505-3:2006; EN ISO 14505-3:2006)
Ergonomics of the thermal environment – Evaluation of the thermal environment in vehicles – Part 3: Evaluation of thermal comfort using human subjects (ISO 14505-3:2006; EN ISO 14505-3:2006)

• **umjesto**
HRN ISO 15534-3:2003
Ergonomsko **dizajniranje** za sigurnost strojeva – 3. dio: Antropometrijski podaci (ISO 15534-3:2000)
Ergonomic design for the safety of machinery – Part 3: Anthropometric data (ISO 15534-3:2000)

• **treba biti**
HRN ISO 15534-3:2003
Ergonomsko **oblikovanje** za sigurnost strojeva – 3. dio: Antropometrijski podaci (ISO 15534-3:2000)
Ergonomic design for the safety of machinery – Part 3: Anthropometric data (ISO 15534-3:2000)

• **umjesto**
HRN EN ISO 15743:2010
Ergonomija toplinskog **okruženja** – Radna mjesta u hladnom okruženju – Procjena rizika i upravljanje (ISO 15743:2008; EN ISO 15743:2008)
Ergonomics of the thermal environment – Cold workplaces – Risk assessment and management (ISO 15743:2008; EN ISO 15743:2008)

• **treba biti**
HRN EN ISO 15743:2010
Ergonomija toplinskog **okoliša** – Radna mjesta u hladnom okruženju – Procjena rizika i upravljanje (ISO 15743:2008; EN ISO 15743:2008)
Ergonomics of the thermal environment – Cold workplaces – Risk assessment and management (ISO 15743:2008; EN ISO 15743:2008)

• **umjesto**
HRI ISO/TR 18529:2008
Ergonomija – Ergonomija **međudjelovanja** čovjek-sustav – Opisi procesa životnog ciklusa usmjerenog na čovjeka (ISO/TR 18529:2000)
Ergonomics – Ergonomics of human-system interaction – Human-centred lifecycle process description (ISO/TR 18529:2000)

• **treba biti**
HRI ISO/TR 18529:2008
Ergonomija – Ergonomija **interakcije** čovjek-sustav – Opisi procesa životnog ciklusa usmjerenog na čovjeka (ISO/TR 18529:2000)
Ergonomics – Ergonomics of human-system interaction – Human-centred lifecycle process description (ISO/TR 18529:2000)

HZN/TO 172, Optika i optički instrumenti

• **umjesto**
HRN EN ISO 18369-1:2017
Ofthalmološka optika – Kontaktne leće – 1. dio: Terminološki rječnik, razredbeni sustav i preporuke za označavanje specifikacija (ISO 18369-1:2017; EN ISO 18369-1:2017)
Ophthalmic optics – Contact lenses – Part 1: Vocabulary, classification system and recommendations for labelling specifications (ISO 18369-1:2017; EN ISO 18369-1:2017)

• **treba biti**
HRN EN ISO 18369-1:2017
Ofthalmološka optika – Kontaktne leće – 1. dio: Terminološki rječnik, razredbeni sustav i preporuke za označavanje specifikacija (ISO 18369-1:2017, **ispravljena verzija 2017-10-01**; EN ISO 18369-1:2017)
Ophthalmic optics – Contact lenses – Part 1: Vocabulary, classification system and recommendations for labelling specifications (ISO 18369-1:2017, **Corrected version 2017-10-01**; EN ISO 18369-1:2017)

• **umjesto**
HRN EN ISO 18369-3:2017
Ofthalmološka optika – Kontaktne leće – 3. dio: Metode mjerenja (ISO 18369-3:2017; EN ISO 18369-3:2017)
Ophthalmic optics – Contact lenses – Part 3: Measurement methods (ISO 18369-3:2017; EN ISO 18369-3:2017)

• **treba biti**
HRN EN ISO 18369-3:2017
Ofthalmološka optika – Kontaktne leće – 3. dio: Metode mjerenja (ISO 18369-3:2017, **ispravljena verzija 2017-10-01**; EN ISO 18369-3:2017)
Ophthalmic optics – Contact lenses – Part 3: Measurement methods (ISO 18369-3:2017, **Corrected version 2017-10-01**; EN ISO 18369-3:2017)

• **umjesto**
HRN EN ISO 18369-4:2017
Ofthalmološka optika – Kontaktne leće – 4. dio: Fizikalno-kemijska svojstva materijala kontaktnih leća (ISO 18369-4:2017; EN ISO 18369-4:2017)
Ophthalmic optics – Contact lenses – Part 4: Physicochemical properties of contact lens materials (ISO 18369-4:2017; EN ISO 18369-4:2017)

• **treba biti**
HRN EN ISO 18369-4:2017
Ofthalmološka optika – Kontaktne leće – 4. dio: Fizikalno-kemijska svojstva materijala kontaktnih leća (ISO 18369-4:2017, **ispravljena verzija 2017-10-01**; EN ISO 18369-4:2017)
Ophthalmic optics – Contact lenses – Part 4: Physicochemical properties of contact lens materials (ISO 18369-4:2017, **Corrected version 2017-10-01**; EN ISO 18369-4:2017)

HZN/TO 506, Materijali, oprema i konstrukcije za naftnu industriju, prirodni plin i geotermalnu vodu

- **umjesto**

HRN EN ISO 24817:2017

Industrija nafte, petrokemije i prirodnoga plina – Popravci cjevovoda kompozitnim materijalima – Ocjena i proračun, izvedba, ispitivanje i inspekcija (ISO 24817:2017; EN ISO 24817:2017)

Petroleum, petrochemical and natural gas industries – Composite repairs for pipework – Qualification and design, installation, testing and inspection (ISO 24817:2017; EN ISO 24817:2017)

- **treba biti**

HRN EN ISO 24817:2017

Industrija nafte, petrokemije i prirodnoga plina – Popravci cjevovoda kompozitnim materijalima – Ocjena i proračun, izvedba, ispitivanje i inspekcija (ISO 24817:2017, **ispravljena verzija 2018-01-01**; EN ISO 24817:2017)

Petroleum, petrochemical and natural gas industries – Composite repairs for pipework – Qualification and design, installation, testing and inspection (ISO 24817:2017, **Corrected version 2018-01-01**; EN ISO 24817:2017)

2 Rezultati međunarodne i europske normizacije razvrstani po predmetnom ustroju

01.020 Nazivlje (načela i usklađivanje)

Međunarodna normizacija ISO

ISO 16642:2017
Computer applications in terminology – Terminological markup framework

01.040.25 Proizvodna tehnika (Rječnici)

Europska normizacija CENELEC

EN 62439-2:2017
Industrial communication networks – High availability automation networks – Part 2: Media Redundancy Protocol (MRP) (IEC 62439-2:2016)

01.040.27 Prijenos energije i topline (Rječnici)

Međunarodna normizacija ISO

ISO 2710-1:2017
Reciprocating internal combustion engines – Vocabulary – Part 1: Terms for engine design and operation

01.040.29 Elektrotehnika (Rječnici)

Međunarodna normizacija IEC

IEC 60050-811:2017
International electrotechnical vocabulary – Part 811: Electric traction

IEC 60050-821:2017
International electrotechnical vocabulary – Part 821: Signalling and security apparatus for railways

01.040.35 Informacijska tehnologija. Uredski strojevi (Rječnici)

Europska normizacija CEN

EN ISO 11073-10101/A1:2017
Health informatics – Point-of-care medical device communication – Part 10101: Nomenclature – Amendment 1: Additional definitions (ISO/IEEE 11073-10101:2004/Amd 1:2017)

CENELEC

EN 62439-2:2017
Industrial communication networks – High availability automation networks – Part 2: Media Redundancy Protocol (MRP) (IEC 62439-2:2016)

Međunarodna normizacija ISO

ISO/IEC 19941:2017
Information technology – Cloud computing – Interoperability and portability

01.040.83 Industrija gume i plastike (Rječnici)

Međunarodna normizacija ISO

ISO 4223-1:2017
Definitions of some terms used in the tyre industry – Part 1: Pneumatic tyres

01.040.91 Konstrukcijski materijali i gradnja (Rječnici)

Međunarodna normizacija ISO

ISO 6707-1:2017
Buildings and civil engineering works – Vocabulary – Part 1: General terms

ISO 6707-2:2017
Buildings and civil engineering works – Vocabulary – Part 2: Contract and communication terms

01.040.93 Niskogradnja (Rječnici)

Međunarodna normizacija ISO

ISO 6707-1:2017
Buildings and civil engineering works – Vocabulary – Part 1: General terms

IEC

IEC 60050-821:2017
International electrotechnical vocabulary – Part 821: Signalling and security apparatus for railways

01.080.10 Simboli za javne obavijesti

Međunarodna normizacija ISO

ISO 16069:2017
Graphical symbols – Safety signs – Safety way guidance systems (SWGS)

01.080.20 Grafički simboli za upotrebu na posebnoj opremi

Europska normizacija CENELEC

EN 60445:2017
Basic and safety principles for man-machine interface, marking and identification – Identification of equipment terminals, conductor terminations and conductors (IEC 60445:2017 + COR1:2017)

Međunarodna normizacija ISO

ISO 16069:2017
Graphical symbols – Safety signs – Safety way guidance systems (SWGS)

IEC

IEC 60445 Corrigendum 1:2017
Basic and safety principles for man-machine interface, marking and identification – Identification of equipment terminals, conductor terminations and conductors; Corrigendum 1

01.110 Tehnička dokumentacija o proizvodu

Europska normizacija CEN

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

CENELEC

EN 61987-24-2:2017
Industrial-process measurement and control – Data structures and elements in process equipment catalogues – Part 24-2: List of properties (LOPs) of valve/actuator accessories for electronic data exchange (IEC 61987-24-2:2017)

EN 61987-24-3:2017
Industrial-process measurement and control – Data structures and elements in process equipment catalogues – Part 24-3: Lists of properties (LOPs) of flow modification accessories for electronic data exchange (IEC 61987-24-3:2017)

01.120 Normizacija. Opća pravila

Europska normizacija ETSI

ETSI SR 000314 V 2.22.1:2017
Intellectual Property Rights (IPRs) – Essential, or potentially Essential, IPRs notified to ETSI in respect of ETSI standards

Međunarodna normizacija ISO/IEC

ISO/IEC Directives Supplement IEC:2017
ISO/IEC Directives Supplement – Procedures specific to IEC

ISO/IEC Directives Part 1 + Supplement ISO:2017
ISO/IEC Directives, Part 1 – Consolidated ISO Supplement – Procedures specific to ISO

ISO/IEC Directives Part 1 + Supplement JTC 1:2017-09
ISO/IEC Directives, Part 1 – Consolidated JTC 1 Supplement – Procedures specific to JTC 1

01.140.20 Informacijske znanosti

Međunarodna normizacija ISO

ISO 17068:2017
Information and documentation – Trusted third party repository for digital records

ISO 23081-1:2017
Information and documentation – Records management processes – Metadata for records – Part 1: Principles

03.080.99 Ostale usluge

Međunarodna normizacija ISO

ISO/IEC TR 22446:2017
Information technology – Continual performance improvement of IT enabled services

03.100.70 Sustavi upravljanja

Međunarodna normizacija ISO

ISO 10006:2017
Quality management – Guidelines for quality management in projects

ISO/IEC 27019:2017
Information technology – Security techniques – Information security controls for the energy utility industry

ISO/IEC 27021:2017
Information technology – Security techniques – Competence requirements for information security management systems professionals

03.120.10 Upravljanje kvalitetom i osiguravanje kvalitete

Međunarodna normizacija ISO

ISO 10006:2017
Quality management – Guidelines for quality management in projects

03.120.20 Certificiranje proizvoda i tvrtki. Ocjenjivanje sukladnosti

Međunarodna normizacija ISO

ISO/IEC 17011:2017
Conformity assessment – Requirements for accreditation bodies accrediting conformity assessment bodies

ISO/IEC 17025:2017
General requirements for the competence of testing and calibration laboratories

IEC

IEC CA 01:2017
IEC Conformity Assessment Systems – Basic Rules

IEC CA 01 Edition 2.1:2017
IEC Conformity Assessment Systems – Basic Rules

03.140 Patenti. Intelektualno vlasništvo

Europska normizacija ETSI

ETSI SR 000314 V 2.22.1:2017
Intellectual Property Rights (IPRs) – Essential, or potentially Essential, IPRs notified to ETSI in respect of ETSI standards

03.220.01 Prijevoz općenito

Međunarodna normizacija ISO

ISO 13184-3:2017
Intelligent transport systems (ITS) – Guidance protocol via personal ITS station for advisory safety systems – Part 3: Road guidance protocol (RGP) conformance test specification

ISO 14813-6:2017
Intelligent transport systems – Reference model architecture(s) for the ITS sector – Part 6: Use of ASN.1

ISO/TR 21718:2017
Intelligent transport systems – Spatio-temporal data dictionary for cooperative ITS and automated driving systems

03.220.20 Cestovni prijevoz

Međunarodna normizacija ISO

ISO 16407-1:2017
Electronic fee collection – Evaluation of equipment for conformity to ISO 17575-1 – Part 1: Test suite structure and test purposes

ISO 16410-1:2017
Electronic fee collection – Evaluation of equipment for conformity to ISO 17575-3 – Part 1: Test suite structure and test purposes

11.040.10 Anestezijska, respiracijska i reanimacijska oprema

Europska normizacija CEN

EN ISO 5359/A1:2017
Anaesthetic and respiratory equipment – Low-pressure hose assemblies for use with medical gases – Amendment 1 (ISO 5359:2014/Amd 1:2017)

11.040.20 Transfuzijska, infuzijska i injekcijska oprema

Međunarodna normizacija ISO

ISO 11418-2 AMD 1:2017
Containers and accessories for pharmaceutical preparations – Part 2: Screw-neck glass bottles for syrups; Amendment 1

ISO 11418-3 AMD 1:2017
Containers and accessories for pharmaceutical preparations – Part 3: Screw-neck glass bottles (veral) for solid and liquid dosage forms; Amendment 1

11.040.25 Šprice. Igle. Kateteri

Međunarodna normizacija ISO

ISO 10555-1 AMD 1:2017
Intravascular catheters – Sterile and single-use catheters – Part 1: General requirements; Amendment 1

ISO 13926-2:2017
Pen systems – Part 2: Plunger stoppers for pen-injectors for medical use

11.040.40 Implantati za kirurgiju, protetiku i ortotiku

Međunarodna normizacija ISO

ISO 8637-1:2017
Extracorporeal systems for blood purification – Part 1: Haemodialysers, haemodiafilters, haemofilters and haemoconcentrators

ISO/TR 12417-2:2017
Cardiovascular implants and extracorporeal systems – Vascular device-drug combination products – Part 2: Local regulatory information

11.040.70 Oftalmološka oprema

Europska normizacija CEN

EN ISO 16671/A1:2017
Ophthalmic implants – Irrigating solutions for ophthalmic surgery – Amendment 1 (ISO 16671:2015/Amd 1:2017)

Međunarodna normizacija ISO

ISO 8596:2017
Ophthalmic optics – Visual acuity testing – Standard and clinical optotypes and their presentation

ISO 11981:2017
Ophthalmic optics – Contact lenses and contact lens care products – Determination of physical compatibility of contact lens care products with contact lenses

ISO 11986:2017
Ophthalmic optics – Contact lenses and contact lens care products – Determination of preservative uptake and release

ISO 14889 AMD 1:2017
Ophthalmic optics – Spectacle lenses – Fundamental requirements for uncut finished lenses; Amendment 1

11.120.99 Ostale norme koje se odnose na ljekarništvo

Međunarodna normizacija ISO

ISO 11418-2 AMD 1:2017
Containers and accessories for pharmaceutical preparations – Part 2: Screw-neck glass bottles for syrups; Amendment 1

ISO 11418-3 AMD 1:2017
Containers and accessories for pharmaceutical preparations – Part 3: Screw-neck glass bottles (veral) for solid and liquid dosage forms; Amendment 1

11.140 Bolnička oprema

Europska normizacija CEN

CEN/TR 16953:2017
Medical gloves for single use – Guidance for selection

CENELEC

EN 50637:2017
Medical electrical equipment – Particular requirements for the basic safety and essential performance of medical beds for children

11.180.15 Pomagala za gluhe i osobe oštećenog sluha

Međunarodna normizacija IEC

IEC 60118-4 AMD 1:2017
Electroacoustics – Hearing aids – Part 4: Induction-loop systems for hearing aid purposes – System performance requirements; Amendment 1

IEC 60118-4 Edition 3.1:2017
Electroacoustics – Hearing aids – Part 4: Induction-loop systems for hearing aid purposes – System

IEC 62489-1 AMD 2:2017
Electroacoustics – Audio-frequency induction loop systems for assisted hearing – Part 1: Methods of measuring and specifying the performance of system components; Amendment 2

IEC 62489-1 Edition 1.2:2017
Electroacoustics – Audio-frequency induction loop systems for assisted hearing – Part 1: Methods of measuring and specifying the performance of system components

13.020.20 Ekogospodarstvo

Europska normizacija CENELEC

EN 50672:2017
Ecodesign requirements for computers and computer servers

13.020.99 Ostale norme koje se odnose na zaštitu okoliša

Međunarodna normizacija ISO

ISO 21070:2017
Ships and marine technology – Marine environment protection – Management and handling of shipboard garbage

13.030.99 Ostale norme koje se odnose na otpad

Europska normizacija CENELEC

- EN 50625-2-4:2017
Collection, logistics & treatment requirements for WEEE
– Part 2-4: Treatment requirements for photovoltaic panels

13.060.60 Ispitivanje fizikalnih svojstava vode

Europska normizacija CEN

- EN ISO 9696:2017
Water quality – Gross alpha activity – Test method using thick source (ISO 9696:2017)

13.080.20 Fizikalna svojstva tla

Europska normizacija CEN

- EN ISO 11508:2017
Soil quality – Determination of particle density (ISO 11508:2017)

Međunarodna normizacija ISO

- ISO 18674-3:2017
Geotechnical investigation and testing – Geotechnical monitoring by field instrumentation – Part 3: Measurement of displacements across a line: Inclinometers

13.110 Sigurnost strojeva

Europska normizacija CENELEC

- EN 60445:2017
Basic and safety principles for man-machine interface, marking and identification – Identification of equipment terminals, conductor terminations and conductors (IEC 60445:2017+COR1:2017)

Međunarodna normizacija ISO

- ISO 13854:2017
Safety of machinery – Minimum gaps to avoid crushing of parts of the human body
- ISO 19085-3:2017
Woodworking machines – Safety requirements – Part 3: Numerically controlled (NC) boring and routing machines
- ISO 19085-6:2017
Woodworking machines – Safety – Part 6: Single spindle vertical moulding machines („toupies“)
- ISO 19085-8:2017
Woodworking machines – Safety – Part 8: Belt sanding and calibrating machines for straight workpieces

IEC

- IEC 60445 Corrigendum 1:2017
Basic and safety principles for man-machine interface, marking and identification – Identification of equipment terminals, conductor terminations and conductors; Corrigendum 1

13.180 Ergonomija

Međunarodna normizacija ISO

- ISO 9241-940:2017
Ergonomics of human-system interaction – Part 940: Evaluation of tactile and haptic interactions

13.220.20 Zaštita od požara

Međunarodna normizacija ISO

- ISO 7240-2:2017
Fire detection and alarm systems – Part 2: Fire detection control and indicating equipment
- ISO 7240-4:2017
Fire detection and alarm systems – Part 4: Power supply equipment

13.220.40 Zapaljivost i ponašanje materijala i proizvoda pri izgaranju

Međunarodna normizacija ISO

- ISO/TR 10093:2017
Plastics – Fire tests – Standard ignition sources
- ISO/TR 12470-1:2017
Fire-resistance tests – Guidance on the application and extension of results from tests conducted on fire containment assemblies and products – Part 1: Loadbearing elements and vertical and horizontal separating elements
- ISO/TR 12470-2:2017
Fire-resistance tests – Guidance on the application and extension of results from tests conducted on fire containment assemblies and products – Part 2: Non-loadbearing elements

13.220.50 Vatrootpornost građevnih materijala i elemenata

Međunarodna normizacija ISO

- ISO/TR 12470-1:2017
Fire-resistance tests – Guidance on the application and extension of results from tests conducted on fire containment assemblies and products – Part 1: Loadbearing elements and vertical and horizontal separating elements
- ISO/TR 12470-2:2017
Fire-resistance tests – Guidance on the application and extension of results from tests conducted on fire containment assemblies and products – Part 2: Non-loadbearing elements

13.280 Zaštita od zračenja

Europska normizacija CENELEC

- EN 50664:2017
Generic standard to demonstrate the compliance of equipment used by workers with limits on exposure to electromagnetic fields (0 Hz – 300 GHz), when put into service or in situ
- EN 50665:2017
Generic standard for assessment of electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (0 Hz – 300 GHz)

13.320 Alarmni sustavi i sustavi uzbunjivanja

Europska normizacija CENELEC

- EN 50131-2-2:2017
Alarm systems – Intrusion and hold-up systems – Part 2-2: Intrusion detectors – Passive infrared detectors
- EN 50131-6:2017
Alarm systems – Intrusion and hold-up systems – Part 6: Power supplies
- EN 50134-2:2017
Alarm systems – Social alarm systems – Part 2: Trigger devices

Međunarodna normizacija ISO

ISO 8201:2017
Acoustics – Audible and other emergency evacuation signals

13.340.10 Zaštitna odjeća

Europska normizacija CEN

CEN/TR 15419:2017
Protective clothing – Guidelines for selection, use, care and maintenance of chemical protective clothing

EN ISO 19918:2017
Protective clothing – Protection against chemicals – Measurement of cumulative permeation of chemicals with low vapour pressure through materials (ISO 19918:2017)

EN ISO 27065:2017
Protective clothing – Performance requirements for protective clothing worn by operators applying pesticides and for re-entry workers (ISO 27065:2017)

13.340.20 Zaštitna oprema za glavu

Međunarodna normizacija ISO

ISO 21924-4:2017
Protective equipment for martial arts – Part 4: Additional requirements and test methods for head protectors

13.340.30 Uređaji za zaštitu dišnih organa

Međunarodna normizacija ISO

ISO 16900-2:2017
Respiratory protective devices – Methods of test and test equipment – Part 2: Determination of breathing resistance

13.340.40 Zaštita ruku i šaka

Međunarodna normizacija ISO

ISO 21924-2:2017
Protective equipment for martial arts – Part 2: Additional requirements and test methods for instep protectors, shin protectors and forearm protectors

ISO 21924-7:2017
Protective equipment for martial arts – Part 7: Additional requirements and test methods for hand and foot protectors

13.340.50 Zaštita nogu i stopala

Međunarodna normizacija ISO

ISO 21924-2:2017
Protective equipment for martial arts – Part 2: Additional requirements and test methods for instep protectors, shin protectors and forearm protectors

ISO 21924-7:2017
Protective equipment for martial arts – Part 7: Additional requirements and test methods for hand and foot protectors

13.340.99 Ostala zaštitna oprema

Međunarodna normizacija ISO

ISO 21924-3:2017
Protective equipment for martial arts – Part 3: Additional requirements and test methods for trunk protectors

ISO 21924-5:2017
Protective equipment for martial arts – Part 5: Additional requirements and test methods for genital protectors and abdominal protectors

ISO 21924-6:2017
Protective equipment for martial arts – Part 6: Additional requirements and test methods for breast protectors for females

17.040.40 Geometrijska specifikacija proizvoda (GPS)

Međunarodna normizacija ISO

ISO 14253-1:2017
Geometrical product specifications (GPS) – Inspection by measurement of workpieces and measuring equipment – Part 1: Decision rules for verifying conformity or nonconformity with specifications

17.120.20 Protok u otvorenim kanalima

Europska normizacija CEN

EN ISO 6416:2017
Hydrometry – Measurement of discharge by the ultrasonic transit time (time of flight) method (ISO 6416:2017)

Međunarodna normizacija ISO

ISO 9123:2017
Hydrometry – Stage-fall-discharge relationships

ISO/TR 9210:2017
Hydrometry – Measurement in meandering river and in streams with unstable boundaries

17.140.20 Buka koju proizvode strojevi i oprema

Europska normizacija CEN

EN 12102-1:2017
Air conditioners, liquid chilling packages, heat pumps, process chillers and dehumidifiers with electrically driven compressors – Determination of the sound power level – Part 1: Air conditioners, liquid chilling packages, heat pumps for space heating and cooling, dehumidifiers and process chillers

17.140.50 Elektroakustika

Međunarodna normizacija IEC

IEC 60942:2017
Electroacoustics – Sound calibrators

IEC 62489-1 AMD 2:2017
Electroacoustics – Audio-frequency induction loop systems for assisted hearing – Part 1: Methods of measuring and specifying the performance of system components; Amendment 2

17.160 Vibracije, udari i mjerenja vibracija

Međunarodna normizacija ISO

ISO 18437-6:2017
Mechanical vibration and shock – Characterization of the dynamic mechanical properties of visco-elastic materials – Part 6: Time-temperature superposition

17.180.20 Boje i mjerenje svjetlosti

Europska normizacija
CEN

- EN 13032-2:2017
Light and lighting – Measurement and presentation of photometric data of lamps and luminaires – Part 2: Presentation of data for indoor and outdoor work places

17.220.01 Elektricitet. Magnetizam. Opći aspekti

Europska normizacija
CENELEC

- EN 61788-22-1:2017
Superconductivity – Part 22-1: Superconducting electronic devices – Generic specification for sensors and detectors (IEC 61788-22-1:2017)
- EN 62056-5-3:2017
Electricity metering data exchange – The DLMS/COSEM suite – Part 5-3: DLMS/COSEM application layer (IEC 62056-5-3:2017)
- EN 62056-8-5:2017
Electricity metering data exchange – The DLMS/COSEM suite – Part 8-5: Narrow-band OFDM G3-PLC communication profile for neighbourhood networks (IEC 62056-8-5:2017)

17.220.20 Mjerenje električnih i magnetskih veličina

Europska normizacija
CENELEC

- EN 62586-1:2017
Power quality measurement in power supply systems – Part 1: Power quality instruments (PQI) (IEC 62586-1:2017)

17.240 Mjerenja zračenja

Europska normizacija
CENELEC

- EN 50663:2017
Generic standard for assessment of low power electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (10 MHz – 300 GHz)

19.040 Ispitivanje utjecaja okoliša

Međunarodna normizacija
IEC

- IEC 60068-2-52:2017
Environmental testing – Part 2-52: Tests – Test Kb: Salt mist, cyclic (sodium chloride solution)

19.100 Nerazorna ispitivanja

Europska normizacija
CEN

- EN ISO 16371-2:2017
Non-destructive testing – Industrial computed radiography with storage phosphor imaging plates – Part 2: General principles for testing of metallic materials using X-rays and gamma rays (ISO 16371-2:2017)

Međunarodna normizacija
ISO

- ISO 16809:2017
Non-destructive testing – Ultrasonic thickness measurement

19.120 Analiza veličine čestica. Prosijavanje

Međunarodna normizacija
ISO

- ISO 9276-4 AMD 1:2017
Representation of results of particle size analysis – Part 4: Characterization of a classification process – Amendment 1: Additional explanations and minor corrections

21.060.01 Spojni elementi općenito

Međunarodna normizacija
ISO

- ISO 16228:2017
Fasteners – Types of inspection documents

21.060.10 Vijci i svorni vijci

Međunarodna normizacija
ISO

- ISO 13918:2017
Welding – Studs and ceramic ferrules for arc stud welding

21.100.10 Klizni ležajevi

Međunarodna normizacija
ISO

- ISO 6526:2017
Plain bearings – Pressed bimetallic half thrust washers – Features and tolerances

21.100.20 Valjni ležajevi

Međunarodna normizacija
ISO

- ISO 76 AMD 1:2017
Rolling bearings – Static load ratings; Amendment 1

21.200 Zupčanici

Međunarodna normizacija
ISO

- ISO/TR 6336-30:2017
Calculation of load capacity of spur and helical gears – Part 30: Calculation examples for the application of ISO 6336 parts 1,2,3,5

21.220.10 Remenski pogon i njegovi sastavni dijelovi

Međunarodna normizacija
ISO

- ISO 17396:2017
Synchronous belt drives – Metric pitch – Tooth profiles T and AT endless and open ended belts and pulleys

23.020.35 Plinske boce

Međunarodna normizacija
ISO

- ISO 5145:2017
Gas cylinders – Cylinder valve outlets for gases and gas mixtures – Selection and dimensioning
- ISO 11363-2:2017
Gas cylinders – 17E and 25E taper threads for connection of valves to gas cylinders – Part 2: Inspection gauges

23.040.01 Cjevovodne sastavni dijelovi i cjevovodi općenito

Europska normizacija CEN

EN 1451-1:2017
Plastics piping systems for soil and waste discharge (low and high temperature) within the building structure – Polypropylene (PP) – Part 1: Specifications for pipes, fittings and the system

Međunarodna normizacija ISO

ISO 11295:2017
Classification and information on design and applications of plastics piping systems used for renovation and replacement

23.040.20 Plastične cijevi

Međunarodna normizacija ISO

ISO 21307:2017
Plastics pipes and fittings – Butt fusion jointing procedures for polyethylene (PE) piping systems

23.040.45 Plastične spojnice

Međunarodna normizacija ISO

ISO 21307:2017
Plastics pipes and fittings – Butt fusion jointing procedures for polyethylene (PE) piping systems

23.060.01 Zaporni uređaji općenito

Europska normizacija CEN

EN 12627:2017
Industrial valves – Butt welding ends for steel valves

23.100.60 Filtri, brtve i onečišćenje fluida

Međunarodna normizacija ISO

ISO 5782-1:2017
Pneumatic fluid power – Compressed air filters – Part 1: Main characteristics to be included in supplier's literature and product-marking requirements

25.040.01 Sustavi industrijske automatizacije općenito

Europska normizacija CENELEC

EN 62657-1:2017
Industrial communication networks – Wireless communication networks – Part 1: Wireless communication requirements and spectrum considerations (IEC 62657-1:2017)

25.040.40 Mjerenje i upravljanje u industrijskim procesima

Europska normizacija CENELEC

EN 61511-1:2017/A1:2017
Functional safety – Safety instrumented systems for the process industry sector – Normative (uon) – Part 1: Framework, definitions, system, hardware and software requirements (IEC 61511-1:2016/A1:2017)

EN 61784-3:2016/A1:2017
Industrial communication networks – Profiles – Part 3: Functional safety fieldbuses – General rules and profile definitions (IEC 61784-3:2016/A1:2017)

EN 61987-24-2:2017
Industrial-process measurement and control – Data structures and elements in process equipment catalogues – Part 24-2: List of properties (LOPs) of valve/actuator accessories for electronic data exchange (IEC 61987-24-2:2017)

EN 61987-24-3:2017
Industrial-process measurement and control – Data structures and elements in process equipment catalogues – Part 24-3: Lists of properties (LOPs) of flow modification accessories for electronic data exchange (IEC 61987-24-3:2017)

EN 62439-2:2017
Industrial communication networks – High availability automation networks – Part 2: Media Redundancy Protocol (MRP) (IEC 62439-2:2016)

25.080.01 Alatni strojevi općenito

Međunarodna normizacija ISO

ISO 14955-1:2017
Machine tools – Environmental evaluation of machine tools – Part 1: Design methodology for energy-efficient machine tools

25.140.10 Pneumatski alati

Međunarodna normizacija ISO

ISO 11148-13:2017
Hand-held non-electric power tools – Safety requirements – Part 13: Fastener driving tools

25.160.10 Procesi zavarivanja

Međunarodna normizacija ISO

ISO 13916:2017
Welding – Measurement of preheating temperature, interpass temperature and preheat maintenance temperature

ISO 13918:2017
Welding – Studs and ceramic ferrules for arc stud welding

25.160.20 Dodatni i potrošni materijali za zavarivanje

Međunarodna normizacija ISO

ISO 544:2017
Welding consumables – Technical delivery conditions for filler materials and fluxes – Type of product, dimensions, tolerances and markings

ISO 17633:2017
Welding consumables – Tubular cored electrodes and rods for gas shielded and non-gas shielded metal arc welding of stainless and heat-resisting steels – Classification

25.160.30 Oprema za zavarivanje

Europska normizacija CEN

EN ISO 5175-1:2017
Gas welding equipment – Safety devices – Part 1: Devices incorporating a flame (flashback) arrestor (ISO 5175-1:2017)

EN ISO 5175-2:2017
Gas welding equipment – Safety devices – Part 2: Not incorporating a flame (flashback) arrestor (ISO 5175-2:2017)

Međunarodna normizacija ISO

ISO 14114:2017
Gas welding equipment – Acetylene manifold systems for welding, cutting and allied processes – General requirements

25.160.40 Zavareni spojevi i zavari

Europska normizacija CEN

EN ISO 10675-2:2017
Non-destructive testing of welds – Acceptance levels for radiographic testing – Part 2: Aluminium and its alloys (ISO 10675-2:2017)

EN ISO 17640:2017
Non-destructive testing of welds – Ultrasonic testing – Techniques, testing levels, and assessment (ISO 17640:2017)

25.220.10 Priprema površina

Međunarodna normizacija ISO

ISO 11126-10:2017
Preparation of steel substrates before application of paints and related products – Specifications for non-metallic blast-cleaning abrasives – Part 10: Almandite garnet

ISO 12944-4:2017
Paints and varnishes – Corrosion protection of steel structures by protective paint systems – Part 4: Types of surface and surface preparation

25.220.20 Površinska obrada

Europska normizacija CEN

EN ISO 2143:2017
Anodizing of aluminium and its alloys – Estimation of loss of absorptive power of anodic oxidation coatings after sealing – Dye-spot test with prior acid treatment (ISO 2143:2017)

Međunarodna normizacija ISO

ISO 3210:2017
Anodizing of aluminium and its alloys – Assessment of quality of sealed anodic oxidation coatings by measurement of the loss of mass after immersion in acid solution(s)

ISO 10074:2017
Anodizing of aluminium and its alloys – Specification for hard anodic oxidation coatings on aluminium and its alloys

ISO 17836:2017
Thermal spraying – Determination of the deposition efficiency for thermal spraying

ISO 27830:2017
Metallic and other inorganic coatings – Requirements for the designation of metallic and inorganic coatings

25.220.40 Metalne prevlake

Međunarodna normizacija ISO

ISO 27830:2017
Metallic and other inorganic coatings – Requirements for the designation of metallic and inorganic coatings

27.020 Motori s unutrašnjim izgaranjem

Međunarodna normizacija ISO

ISO 2710-1:2017
Reciprocating internal combustion engines – Vocabulary – Part 1: Terms for engine design and operation

27.070 Gorivi članci

Europska normizacija CENELEC

EN 62282-3-201:2017
Fuel cell technologies – Part 3-201: Stationary fuel cell power systems – Performance test methods for small fuel cell power systems (IEC 62282-3-201:2017)

27.080 Dizalice topline

Europska normizacija CEN

EN 12102-1:2017
Air conditioners, liquid chilling packages, heat pumps, process chillers and dehumidifiers with electrically driven compressors – Determination of the sound power level – Part 1: Air conditioners, liquid chilling packages, heat pumps for space heating and cooling, dehumidifiers and process chillers

27.160 Solarna energetika

Europska normizacija CENELEC

EN 62788-1-5:2016/AC:2017
Measurement procedures for materials used in photovoltaic modules – Part 1-5: Encapsulants – Measurement of change in linear dimensions of sheet encapsulation material resulting from applied thermal conditions (IEC 62788-1-5:2016/COR1:2017)

EN 62805-1:2017
Method for measuring photovoltaic (PV) glass – Part 1: Measurement of total haze and spectral distribution of haze (IEC 62805-1:2017)

EN 62805-2:2017
Method for measuring photovoltaic (PV) glass – Part 2: Measurement of transmittance and reflectance (IEC 62805-2:2017)

EN 62817:2015/A1:2017
Photovoltaic systems – Design qualification of solar trackers (IEC 62817:2015/A1:2017)

EN 62979:2017
Photovoltaic module – Bypass diode – Thermal runaway test (IEC 62979:2017)

27.180 Sustavi vjetroagregata

Međunarodna normizacija ISO

ISO 16079-1:2017
Condition monitoring and diagnostics of wind turbines – Part 1: General guidelines

29.020 Elektrotehnika općenito

Europska normizacija CENELEC

EN 60445:2017
Basic and safety principles for man-machine interface, marking and identification – Identification of equipment terminals, conductor terminations and conductors (IEC 60445:2017 + COR1:2017)

EN 62321-4:2014/A1:2017
Determination of certain substances in electrotechnical products – Part 4: Mercury in polymers, metals and electronics by CV-AAS, CV-AFS, ICP-OES and ICP-MS (IEC 62321-4:2013/A1:2017)

Međunarodna normizacija IEC

IEC 60050-821:2017
International electrotechnical vocabulary – Part 821: Signalling and security apparatus for railways

IEC 60445 Corrigendum 1:2017
Basic and safety principles for man-machine interface, marking and identification – Identification of equipment terminals, conductor terminations and conductors; Corrigendum 1

29.035.01 Izolacijski materijali općenito

Europska normizacija CENELEC

EN 60811-201:2012/A1:2017
Electric and optical fibre cables – Test methods for non-metallic materials – Part 201: General tests – Measurement of insulation thickness (IEC 60811-201:2012/A1:2017)

EN 60811-202:2012/A1:2017
Electric and optical fibre cables – Test methods for non-metallic materials – Part 202: General tests – Measurement of thickness of non-metallic sheath (IEC 60811-202:2012/A1:2017)

EN 60811-401:2012/A1:2017
Electric and optical fibre cables – Test methods for non-metallic materials – Part 401: Miscellaneous tests – Thermal ageing methods – Ageing in an air oven (IEC 60811-401:2012/A1:2017)

EN 60811-508:2012/A1:2017
Electric and optical fibre cables – Test methods for non-metallic materials – Part 508: Mechanical tests – Pressure test at high temperature for insulation and sheaths (IEC 60811-508:2012/A1:2017)

EN 60811-509:2012/A1:2017
Electric and optical fibre cables – Test methods for non-metallic materials – Part 509: Mechanical tests – Test for resistance of insulations and sheaths to cracking (heat shock test) (IEC 60811-509:2012/A1:2017)

29.035.20 Plastični i gumeni izolacijski materijali

Europska normizacija CENELEC

EN 50655-1:2017
Electric cables – Accessories – Material characterization – Part 1: Fingerprinting for resinous compounds

EN 50655-2:2017
Electric cables – Accessories – Material characterization – Part 2: Fingerprinting for heat shrinkable components for low and medium voltage applications up to 20,8/36 (42) kV

EN 50655-3:2017
Electric cables – Accessories – Material characterization – Part 3: Fingerprinting for cold shrinkable components for low and medium voltage applications up to 20,8/36 (42) kV

EN 60811-410:2012/A1:2017
Electric and optical fibre cables – Test methods for non-metallic materials – Part 410: Miscellaneous tests – Test method for copper-catalyzed oxidative degradation of polyolefin insulated conductors (IEC 60811-410:2012/A1:2017)

EN 60811-511:2012/A1:2017
Electric and optical fibre cables – Test methods for non-metallic materials – Part 511: Mechanical tests – Measurement of the melt flow index of polyethylene compounds (IEC 60811-511:2012/A1:2017)

29.050 Supravodljivost i vodljivi materijali

Europska normizacija CENELEC

EN 61788-22-1:2017
Superconductivity – Part 22-1: Superconducting electronic devices – Generic specification for sensors and detectors (IEC 61788-22-1:2017)

29.060.10 Žice

Europska normizacija CENELEC

EN 60317-0-7:2017
Specifications for particular types of winding wires – Part 0-7: General requirements – Fully insulated (FIW) zero-defect enamelled round copper wire (IEC 60317-0-7:2017)

EN 60317-56:2017
Specifications for particular types of winding wires – Part 56: Solderable fully insulated (FIW) zero-defect polyurethane enamelled round copper wire, class 180 (IEC 60317-56:2017)

29.060.20 Kabeli

Međunarodna normizacija IEC

IEC 62893-1:2017
Charging cables for electric vehicles of rated voltages up to and including 0,6/1 kV – Part 1: General requirements

IEC 62893-2:2017
Charging cables for electric vehicles of rated voltages up to and including 0,6/1 kV – Part 2: Test methods

IEC 62893-3:2017
Charging cables for electric vehicles of rated voltages up to and including 0,6/1 kV – Part 3: Cables for AC charging according to modes 1, 2 and 3 of IEC 61851-1 of rated voltages up to and including 450/750 V

IEC 63010-1:2017
Halogen-free thermoplastic insulated and sheathed flexible cables of rated voltages up to and including 300/300 V – Part 1: General requirements and cables

IEC 63010-2:2017
Halogen-free thermoplastic insulated and sheathed flexible cables of rated voltages up to and including 300/300 V – Part 2: Test methods

29.080.20 Provodni izolatori

Europska normizacija CENELEC

EN 60137:2017
Insulated bushings for alternating voltages above 1000 V (IEC 60137:2017)

29.120.50 Osigurači i ostale naprave za nadstrujnu zaštitu

Europska normizacija CEN/CENELEC

HD 60364-6/AC:2017
Low-voltage electrical installations – Part 6: Verification (IEC 60364-6:2016/COR1:2017)

Međunarodna normizacija IEC

IEC 60099-8:2017
Surge arresters – Part 8: Metal-oxide surge arresters with external series gap (EGLA) for overhead transmission and distribution lines of a.c. systems above 1 kV

29.130.10 Visokonaponski rasklopni i upravljački uređaji

Europska normizacija CENELEC

EN 62271-1:2017
High-voltage switchgear and controlgear – Part 1: Common specifications for alternating current switchgear and controlgear (IEC 62271-1:2017)

Međunarodna normizacija IEC

IEC 62271-101 AMD 1:2017
High-voltage switchgear and controlgear – Part 101: Synthetic testing; Amendment 1

IEC 62271-101 Edition 2.1:2017
High-voltage switchgear and controlgear – Part 101: Synthetic testing

29.130.20 Niskonaponski rasklopni i upravljački uređaji

Europska normizacija CENELEC

EN 60715:2017
Dimensions of low-voltage switchgear and controlgear – Standardized mounting on rails for mechanical support of switchgear, controlgear and accessories (IEC 60715:2017)

29.140.01 Svjetiljke općenito

Europska normizacija CEN

EN 13032-2:2017
Light and lighting – Measurement and presentation of photometric data of lamps and luminaires – Part 2: Presentation of data for indoor and outdoor work places

29.140.10 Kape i držači svjetiljki

Europska normizacija CENELEC

EN 60061-1:1993/A56:2017/AC:2017
Lamp caps and holders together with gauges for the control of interchangeability and safety – Part 1: Lamp caps (IEC 60061-1:1969/A56:2017/COR1:2017)

Međunarodna normizacija IEC

IEC 60061-1 AMD 56 Corrigendum 1:2017
Lamp caps and holders together with gauges for the control of interchangeability and safety – 12-month subscription to online database comprising all parts of IEC 60061; Amendment 56; Corrigendum 1

29.140.30 Fluorescentne svjetiljke. Svjetiljke s izbojem

Europska normizacija CENELEC

EN 60081:1998/A6:2017
Double-capped fluorescent lamps – Performance specifications (IEC 60081:1997/A6:2017, modified)

29.140.99 Ostale norme koje se odnose na svjetiljke

Europska normizacija CENELEC

EN 62612:2013/A11:2017/AC:2017
Self-ballasted LED lamps for general lighting services with supply voltages > 50 V – Performance requirements

EN 62838:2016/AC:2017
LEDs lamps for general lighting services with supply voltages not exceeding 50 V a.c. r.m.s. or 120 V ripple free d.c. – Safety specifications (IEC 62838:2015/COR1:2017)

29.180 Transformatori. Prigušnice

Europska normizacija CENELEC

EN 50645:2017
Ecodesign requirements for small power transformers

Međunarodna normizacija IEC

IEC/IEEE 60076-57-129:2017
Power transformers – Part 57-129: Transformers for HVDC applications

29.220.01 Galvanski članci i baterije općenito

Europska normizacija CENELEC

EN 62680-1-2:2017
Universal serial bus interfaces for data and power – Part 1-2: Common components – USB Power Delivery specification (IEC 62680-1-2:2017)

29.280 Oprema za električnu vuču

Međunarodna normizacija IEC

IEC 60050-811:2017
International electrotechnical vocabulary – Part 811: Electric traction

31.020 Elektronički sastavni dijelovi općenito

Europska normizacija CENELEC

EN 60286-1:2017
Packaging of components for automatic handling – Part 1: Tape packaging of components with axial leads on continuous tapes (IEC 60286-1:2017)

31.080.01 Poluvodičke naprave općenito

Međunarodna normizacija IEC

IEC 62047-29:2017
Semiconductor devices – Micro-electromechanical devices – Part 29: Electromechanical relaxation test method for freestanding conductive thin films under room temperature

31.080.99 Ostale poluvodičke naprave

Europska normizacija CENELEC

EN 60747-16-4:2004/A2:2017
Semiconductor devices – Part 16-4: Microwave integrated circuits – Switches (IEC 60747-16-4:2004/A2:2017)

31.120 Elektronički uređaji za prikazivanje

Međunarodna normizacija IEC

IEC 62341-6-3:2017
Organic light emitting diode (OLED) displays – Part 6-3:
Measuring methods of image quality

31.140 Piezoelektrične naprave

Europska normizacija CENELEC

EN 60679-1:2017
Piezoelectric, dielectric and electrostatic oscillators
of assessed quality – Part 1: Generic specification
(IEC 60679-1:2017)

Međunarodna normizacija IEC

EN 60679-1:2017
Piezoelectric, dielectric and electrostatic oscillators
of assessed quality – Part 1: Generic specification
(IEC 60679-1:2017)

IEC 62604-2:2017
Surface acoustic wave (SAW) and bulk acoustic wave (BAW)
duplexers of assessed quality – Part 2: Guidelines for the
use

31.160 Električni filtri

Međunarodna normizacija IEC

IEC 62604-2:2017
Surface acoustic wave (SAW) and bulk acoustic wave (BAW)
duplexers of assessed quality – Part 2: Guidelines for the
use

31.180 Tiskani krugovi i pločice

Europska normizacija CENELEC

EN 61191-4:2017
Printed board assemblies – Part 4: Sectional specification
– Requirements for terminal soldered assemblies
(IEC 61191-4:2017)

31.220.01 Elektromehanički sastavni dijelovi općenito

Međunarodna normizacija IEC

IEC 62047-29:2017
Semiconductor devices – Micro-electromechanical devices
– Part 29: Electromechanical relaxation test method for
freestanding conductive thin films under room temperature

31.240 Mehaničke konstrukcije za elektroničku opremu

Europska normizacija CENELEC

EN 60286-1:2017
Packaging of components for automatic handling – Part 1:
Tape packaging of components with axial leads on continuous
tapes (IEC 60286-1:2017)

EN 61191-4:2017
Printed board assemblies – Part 4: Sectional specification
– Requirements for terminal soldered assemblies
(IEC 61191-4:2017)

31.260 Optoelektronika. Laserska oprema

Međunarodna normizacija IEC

IEC 62341-6-3:2017
Organic light emitting diode (OLED) displays – Part 6-3:
Measuring methods of image quality

33.020 Telekomunikacije općenito

Europska normizacija ETSI

ETSI SR 000314 V 2.22.1:2017
Intellectual Property Rights (IPRs) – Essential, or potentially
Essential, IPRs notified to ETSI in respect of ETSI standards

33.040.01 Telekomunikacijski sustavi općenito

Europska normizacija ETSI

ETSI ES 202396-1 V 1.7.1:2017
Speech and multimedia Transmission Quality (STQ)
– Speech quality performance in the presence of background
noise – Part 1: Background noise simulation technique and
background noise database

ETSI ES 203136 V 1.2.1:2017-10
Environmental Engineering (EE) – Measurement methods for
energy efficiency of router and switch equipment

ETSI ES 203475 V 1.1.1:2017-11
Environmental Engineering (EE) – Standardization terms and
trends in energy efficiency

33.040.35 Telefonske mreže

Europska normizacija ETSI

ETSI SR 003292 V 1.1.1:2017-11
Lawful Interception (LI) – IMS and LTE FAQ and Guidance

ETSI TS 102232-1 V 3.15.1:2017-11
Lawful Interception (LI) – Handover Interface and Service-
Specific Details (SSD) for IP delivery – Part 1: Handover
specification for IP delivery

ETSI TS 102232-2 V 3.11.1:2017-11
Lawful Interception (LI) – Handover Interface and Service-
Specific Details (SSD) for IP delivery – Part 2: Service-specific
details for messaging services

ETSI TS 102232-3 V 3.7.1:2017-11
Lawful Interception (LI) – Handover Interface and Service-
Specific Details (SSD) for IP delivery – Part 3: Service-specific
details for internet access services

ETSI TS 102232-5 V 3.8.1:2017-11
Lawful Interception (LI) – Handover Interface and Service-
Specific Details (SSD) for IP delivery – Part 5: Service-specific
details for IP Multimedia Services

ETSI TR 102503 V 1.11.1:2017-11
Lawful Interception (LI) – ASN.1 Object Identifiers in Lawful
Interception and Retained data handling Specifications

ETSI TS 102657 V 1.20.1:2017-11
Lawful Interception (LI) – Retained data handling – Handover
interface for the request and delivery of retained data

ETSI TS 103221-1 V 1.1.1:2017-10
Lawful Interception (LI) – Part 1: Internal Network Interface X1
for Lawful Interception

33.040.40 Mreže za prijenos podataka

Europska normizacija CENELEC

- EN 62657-1:2017
Industrial communication networks – Wireless communication networks – Part 1: Wireless communication requirements and spectrum considerations (IEC 62657-1:2017)

ETSI

- ETSI ES 203283 V 1.1.1:2017
Protocol specifications for Emergency Service Caller Location determination and transport

33.050.01 Telekomunikacijska terminalna oprema općenito

Europska normizacija ETSI

- EN 300019-2-1 V 2.3.1:2017
Environmental Engineering (EE) – Environmental conditions and environmental tests for telecommunications equipment – Part 2-1: Specification of environmental tests – Storage
- EN 300019-2-2 V 2.4.1:2017
Environmental Engineering (EE) – Environmental conditions and environmental tests for telecommunications equipment – Part 2-2: Specification of environmental tests – Transportation

33.060.01 Radiokomunikacije općenito

Europska normizacija ETSI

- ETSI TR 103087 V 1.2.1:2017-11
Reconfigurable Radio Systems (RRS) – Security related use cases and threats

33.060.20 Prijamna i odašiljačka oprema

Europska normizacija ETSI

- EN 300338-1 V 1.4.2:2017
Technical characteristics and methods of measurement for equipment for generation, transmission and reception of Digital Selective Calling (DSC) in the maritime MF, MF/HF and/or VHF mobile service – Part 1: Common requirements
- EN 302608 V 2.1.1:2017
Short Range Devices (SRD) – Radio equipment for Eurobalise railway systems – Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU
- EN 302617 V 2.2.1:2017
Ground-based UHF radio transmitters, receivers and transceivers for the UHF aeronautical mobile service using amplitude modulation – Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU

33.060.30 Radioreleji i nepomični satelitski komunikacijski sustavi

Europska normizacija ETSI

- EN 303276 V 1.1.1:2017
Maritime Broadband Radiolink operating within the bands 5852 MHz to 5872 MHz and/or 5880 MHz to 5900 MHz for ships and off-shore installations engaged in coordinated activities – Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU

33.060.40 Kabelski distribucijski sustavi

Međunarodna normizacija IEC

- IEC 60728-3:2017
Cable networks for television signals, sound signals and interactive services – Part 3: Active wideband equipment for cable networks

33.070.30 Digitalne poboljšane bežične telekomunikacije (DECT)

Europska normizacija ETSI

- EN 300175-1 V 2.7.1:2017
Digital Enhanced Cordless Telecommunications (DECT) – Common Interface (CI) – Part 1: Overview
- EN 300175-2 V 2.7.1:2017
Digital Enhanced Cordless Telecommunications (DECT) – Common Interface (CI) – Part 2: Physical Layer (PHL)
- EN 300175-3 V 2.7.1:2017
Digital Enhanced Cordless Telecommunications (DECT) – Common Interface (CI) – Part 3: Medium Access Control (MAC) layer
- EN 300175-4 V 2.7.1:2017
Digital Enhanced Cordless Telecommunications (DECT) – Common Interface (CI) – Part 4: Data Link Control (DLC) layer
- EN 300175-5 V 2.7.1:2017
Digital Enhanced Cordless Telecommunications (DECT) – Common Interface (CI) – Part 5: Network (NWK) layer
- EN 300175-6 V 2.7.1:2017
Digital Enhanced Cordless Telecommunications (DECT) – Common Interface (CI) – Part 6: Identities and addressing
- EN 300175-7 V 2.7.1:2017
Digital Enhanced Cordless Telecommunications (DECT) – Common Interface (CI) – Part 7: Security features
- EN 300175-8 V 2.7.1:2017
Digital Enhanced Cordless Telecommunications (DECT) – Common Interface (CI) – Part 8: Speech and audio coding and transmission

33.070.50 Globalni sustavi za pokretne komunikacije (GSM)

Europska normizacija ETSI

- ETSI TS 121111 V 14.1.0:2017
Universal Mobile Telecommunications System (UMTS) – LTE – USIM and IC card requirements (3GPP TS 21.111 version 14.1.0 Release 14)
- ETSI TS 122368 V 14.0.1:2017
Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Service requirements for Machine-Type Communications (MTC) – Stage 1 (3GPP TS 22.368 version 14.0.1 Release 14)
- ETSI TS 123003 V 13.10.0:2017
Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Numbering, addressing and identification (3GPP TS 23.003 version 13.10.0 Release 13)
- ETSI TS 123003 V 14.5.0:2017
Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Numbering, addressing and identification (3GPP TS 23.003 version 14.5.0 Release 14)
- ETSI TS 123008 V 14.3.0:2017
Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Organization of subscriber data (3GPP TS 23.008 version 14.3.0 Release 14)

- ETSI TS 123034 V 12.1.0:2017
Digital cellular telecommunications system (Phase 2+) (GSM)
– Universal Mobile Telecommunications System (UMTS)
– High Speed Circuit Switched Data (HSCSD) – Stage 2
(3GPP TS 23.034 version 12.1.0 Release 12)
- ETSI TS 123034 V 13.1.0:2017
Digital cellular telecommunications system (Phase 2+) (GSM)
– Universal Mobile Telecommunications System (UMTS)
– High Speed Circuit Switched Data (HSCSD) – Stage 2
(3GPP TS 23.034 version 13.1.0 Release 13)
- ETSI TS 123034 V 14.1.0:2017
Digital cellular telecommunications system (Phase 2+) (GSM)
– Universal Mobile Telecommunications System (UMTS)
– High Speed Circuit Switched Data (HSCSD) – Stage 2
(3GPP TS 23.034 version 14.1.0 Release 14)
- ETSI TS 123060 V 14.5.0:2017
Digital cellular telecommunications system (Phase 2+) (GSM)
– Universal Mobile Telecommunications System (UMTS)
– General Packet Radio Service (GPRS) – Service description
– Stage 2 (3GPP TS 23.060 version 14.5.0 Release 14)
- ETSI TS 123167 V 14.5.0:2017
Universal Mobile Telecommunications System (UMTS)
– LTE – IP Multimedia Subsystem (IMS) emergency sessions
(3GPP TS 23.167 version 14.5.0 Release 14)
- ETSI TS 123203 V 14.5.0:2017
Digital cellular telecommunications system (Phase 2+)
(GSM) – Universal Mobile Telecommunications System
(UMTS) – LTE – Policy and charging control architecture
(3GPP TS 23.203 version 14.5.0 Release 14)
- ETSI TS 123214 V 14.4.0:2017
Universal Mobile Telecommunications System
(UMTS) – LTE – Architecture enhancements for
control and user plane separation of EPC nodes
(3GPP TS 23.214 version 14.4.0 Release 14)
- ETSI TS 123228 V 14.5.0:2017
Digital cellular telecommunications system (Phase 2+)
(GSM) – Universal Mobile Telecommunications System
(UMTS) – LTE – IP Multimedia Subsystem (IMS) – Stage 2
(3GPP TS 23.228 version 14.5.0 Release 14)
- ETSI TS 123246 V 14.2.0:2017
Universal Mobile Telecommunications System (UMTS)
– LTE – Multimedia Broadcast/Multicast Service
(MBMS) – Architecture and functional description
(3GPP TS 23.246 version 14.2.0 Release 14)
- ETSI TS 123251 V 14.1.0:2017
Universal Mobile Telecommunications System (UMTS) – LTE
– Network sharing – Architecture and functional description
(3GPP TS 23.251 version 14.1.0 Release 14)
- ETSI TS 123272 V 13.5.0:2017
Digital cellular telecommunications system (Phase 2+) (GSM)
– Universal Mobile Telecommunications System (UMTS)
– LTE – Circuit Switched (CS) fallback in Evolved Packet
System (EPS) – Stage 2 (3GPP TS 23.272 version 13.5.0
Release 13)
- ETSI TS 123272 V 14.1.0:2017
Digital cellular telecommunications system (Phase 2+) (GSM)
– Universal Mobile Telecommunications System (UMTS)
– LTE – Circuit Switched (CS) fallback in Evolved Packet
System (EPS) – Stage 2 (3GPP TS 23.272 version 14.1.0
Release 14)
- ETSI TS 123285 V 14.4.0:2017
Universal Mobile Telecommunications System (UMTS)
– LTE – Architecture enhancements for V2X services
(3GPP TS 23.285 version 14.4.0 Release 14)
- ETSI TS 123401 V 13.12.0:2017
LTE – General Packet Radio Service (GPRS) enhancements
for Evolved Universal Terrestrial Radio Access Network
(E-UTRAN) access (3GPP TS 23.401 version 13.12.0
Release 13)
- ETSI TS 123401 V 14.5.0:2017
LTE – General Packet Radio Service (GPRS) enhancements
for Evolved Universal Terrestrial Radio Access Network
(E-UTRAN) access (3GPP TS 23.401 version 14.5.0
Release 14)
- ETSI TS 123402 V 14.5.0:2017
Universal Mobile Telecommunications System (UMTS)
– LTE – Architecture enhancements for non-3GPP accesses
(3GPP TS 23.402 version 14.5.0 Release 14)
- ETSI TS 123682 V 14.5.0:2017
Digital cellular telecommunications system (Phase 2+) (GSM)
– Universal Mobile Telecommunications System (UMTS)
– LTE – Architecture enhancements to facilitate
communications with packet data networks and applications
(3GPP TS 23.682 version 14.5.0 Release 14)
- ETSI TR 123975 V 14.1.0:2017
Digital cellular telecommunications system (Phase 2+)
(GSM) – Universal Mobile Telecommunications
System (UMTS) – LTE – IPv6 migration guidelines
(3GPP TR 23.975 version 14.1.0 Release 14)
- ETSI TS 134123-1 V 14.2.0:2017
Universal Mobile Telecommunications System (UMTS) – User
Equipment (UE) conformance specification – Part 1: Protocol
conformance specification (3GPP TS 34.123-1 version 14.2.0
Release 14)
- ETSI TS 134123-3 V 14.0.0:2017
Universal Mobile Telecommunications System (UMTS)
– User Equipment (UE) conformance specification – Part 3:
Abstract test suite (ATS) (3GPP TS 34.123-3 version 14.0.0
Release 14)
- ETSI TS 134229-1 V 14.0.0:2017
Universal Mobile Telecommunications System (UMTS) – LTE
– Internet Protocol (IP) multimedia call control protocol based
on Session Initiation Protocol (SIP) and Session Description
Protocol (SDP) – User Equipment (UE) conformance
specification – Part 1: Protocol conformance specification
(3GPP TS 34.229-1 version 14.0.0 Release 14)
- ETSI TS 134229-3 V 14.0.0:2017
Universal Mobile Telecommunications System (UMTS)
– LTE – Internet Protocol (IP) multimedia call control
protocol based on Session Initiation Protocol (SIP) and
Session Description Protocol (SDP) – User Equipment (UE)
conformance specification – Part 3: Abstract test suite (ATS)
(3GPP TS 34.229-3 version 14.0.0 Release 14)
- ETSI TS 136101 V 10.25.0:2017
LTE – Evolved Universal Terrestrial Radio Access (E-UTRA)
– User Equipment (UE) radio transmission and reception
(3GPP TS 36.101 version 10.25.0 Release 10)
- ETSI TS 136101 V 11.21.0:2017
LTE – Evolved Universal Terrestrial Radio Access (E-UTRA)
– User Equipment (UE) radio transmission and reception
(3GPP TS 36.101 version 11.21.0 Release 11)
- ETSI TS 136101 V 12.17.0:2017
LTE – Evolved Universal Terrestrial Radio Access (E-UTRA)
– User Equipment (UE) radio transmission and reception
(3GPP TS 36.101 version 12.17.0 Release 12)
- ETSI TS 136101 V 13.9.0:2017
LTE – Evolved Universal Terrestrial Radio Access (E-UTRA)
– User Equipment (UE) radio transmission and reception
(3GPP TS 36.101 version 13.9.0 Release 13)
- ETSI TS 136101 V 14.5.0:2017
LTE – Evolved Universal Terrestrial Radio Access (E-UTRA)
– User Equipment (UE) radio transmission and reception
(3GPP TS 36.101 version 14.5.0 Release 14)
- ETSI TS 136133 V 12.17.0:2017
LTE – Evolved Universal Terrestrial Radio Access (E-UTRA)
– Requirements for support of radio resource management
(3GPP TS 36.133 version 12.17.0 Release 12)
- ETSI TS 136133 V 13.9.0:2017
LTE – Evolved Universal Terrestrial Radio Access (E-UTRA)
– Requirements for support of radio resource management
(3GPP TS 36.133 version 13.9.0 Release 13)
- ETSI TS 136133 V 14.5.0:2017
LTE – Evolved Universal Terrestrial Radio Access (E-UTRA)
– Requirements for support of radio resource management
(3GPP TS 36.133 version 14.5.0 Release 14)
- ETSI TS 136211 V 13.7.1:2017
LTE – Evolved Universal Terrestrial Radio Access
(E-UTRA) – Physical channels and modulation
(3GPP TS 36.211 version 13.7.1 Release 13)

ETSI TS 136211 V 14.4.0:2017
LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Physical channels and modulation (3GPP TS 36.211 version 14.4.0 Release 14)

ETSI TS 136213 V 12.12.0:2017
LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Physical layer procedures (3GPP TS 36.213 version 12.12.0 Release 12)

ETSI TS 136213 V 13.7.0:2017
LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Physical layer procedures (3GPP TS 36.213 version 13.7.0 Release 13)

ETSI TS 136213 V 14.4.0:2017
LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Physical layer procedures (3GPP TS 36.213 version 14.4.0 Release 14)

ETSI TS 136413 V 14.4.0:2017
LTE – Evolved Universal Terrestrial Radio Access Network (E-UTRAN) – S1 Application Protocol (S1AP) (3GPP TS 36.413 version 14.4.0 Release 14)

ETSI TS 136508 V 14.3.0:2017
LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Packet Core (EPC) – Common test environments for User Equipment (UE) conformance testing (3GPP TS 36.508 version 14.3.0 Release 14)

ETSI TS 136521-1 V 14.4.0:2017
LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – User Equipment (UE) conformance specification – Radio transmission and reception – Part 1: Conformance testing (3GPP TS 36.521-1 version 14.4.0 Release 14)

ETSI TS 136521-3 V 14.3.0:2017
LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – User Equipment (UE) conformance specification – Radio transmission and reception – Part 3: Radio Resource Management (RRM) conformance testing (3GPP TS 36.521-3 version 14.3.0 Release 14)

ETSI TS 136523-1 V 14.2.0:2017
LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Packet Core (EPC) – User Equipment (UE) conformance specification – Part 1: Protocol conformance specification (3GPP TS 36.523-1 version 14.2.0 Release 14)

ETSI TS 136523-3 V 14.1.0:2017
LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Packet Core (EPC) – User Equipment (UE) conformance specification – Part 3: Test suites (3GPP TS 36.523-3 version 14.1.0 Release 14)

ETSI TS 151010-1 V 13.5.0:2017
Digital cellular telecommunications system (Phase 2+) (GSM) – Mobile Station (MS) conformance specification – Part 1: Conformance specification (3GPP TS 51.010-1 version 13.5.0 Release 13)

33.070.99 Ostale pokretne službe

Europska normizacija

ETSI

ETSI TS 136101 V 14.5.0:2017
LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – User Equipment (UE) radio transmission and reception (3GPP TS 36.101 version 14.5.0 Release 14)

ETSI TS 136133 V 14.5.0:2017
LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Requirements for support of radio resource management (3GPP TS 36.133 version 14.5.0 Release 14)

33.100.01 Elektromagnetska kompatibilnost općenito

Europska normizacija

CENELEC

EN 55016-2-1:2014/A1:2017
Specification for radio disturbance and immunity measuring apparatus and methods – Part 2-1: Methods of measurement of disturbances and immunity – Conducted disturbance measurements (CISPR 16-2-1:2014/A1:2017)

EN 301843-1 V 2.2.1:2017
ElectroMagnetic Compatibility (EMC) standard for marine radio equipment and services – Harmonised Standard for electromagnetic compatibility – Part 1: Common technical requirements

EN 301843-2 V 2.2.1:2017
ElectroMagnetic Compatibility (EMC) standard for marine radio equipment and services – Harmonised Standard for electromagnetic compatibility – Part 2: Specific conditions for VHF radiotelephone transmitters and receivers

EN 301843-4 V 2.2.1:2017
ElectroMagnetic Compatibility (EMC) standard for marine radio equipment and services – Harmonised Standard for electromagnetic compatibility – Part 4: Specific conditions for Narrow-Band Direct-Printing (NBDP) NAVTEX receivers

EN 301843-5 V 2.2.1:2017
ElectroMagnetic Compatibility (EMC) standard for marine radio equipment and services – Harmonised Standard for electromagnetic compatibility – Part 5: Specific conditions for MF/HF radiotelephone transmitters and receivers

EN 301843-6 V 2.2.1:2017
ElectroMagnetic Compatibility (EMC) standard for marine radio equipment and services – Harmonised Standard for electromagnetic compatibility – Part 6: Specific conditions for Earth Stations on board Vessels operating in frequency bands above 3 GHz

EN 301843-7 V 1.1.1:2017
ElectroMagnetic Compatibility (EMC) standard for marine radio equipment and services – Harmonised Standard for electromagnetic compatibility – Part 7: Specific conditions for Maritime Broadband Radiolink equipment

33.100.10 Zračenje

Europska normizacija

CENELEC

EN 55025:2017/AC:2017-11
Vehicles, boats and internal combustion engines – Radio disturbance characteristics – Limits and methods of measurement for the protection of on-board receivers (CISPR 25:2016/COR1:2017)

EN 61000-2-2:2002/A1:2017
Electromagnetic compatibility (EMC) – Part 2-2: Environment – Compatibility levels for low-frequency conducted disturbances and signalling in public low-voltage power supply systems (IEC 61000-2-2:2002/A1:2017)

ETSI

ETSI TS 102576 V 2.2.1:2017-10
Radio access network equipment specification – Mobile Communication On Board Aircraft (MCOBA) systems – Operational requirements and methodology for showing conformance

33.100.20 Otpornost

Europska normizacija

CENELEC

EN 61000-4-5:2014/A1:2017
Electromagnetic compatibility (EMC) – Part 4-5: Testing and measurement techniques – Surge immunity test (IEC 61000-4-5:2014/A1:2017)

EN 61000-4-12:2017
Electromagnetic compatibility (EMC) – Part 4-12: Testing and measurement techniques – Ring wave immunity test (IEC 61000-4-12:2017)

33.120.01 Sastavni dijelovi i pribor općenito

Europska normizacija
CENELEC

EN 62680-1-2:2017
Universal serial bus interfaces for data and power – Part 1-2: Common components – USB Power Delivery specification (IEC 62680-1-2:2017)

33.120.10 Koaksijalni kabeli. Valovodi

Međunarodna normizacija
IEC

IEC 61196-1-206:2017
Coaxial communication cables- Part 1-206: Environmental test methods – Climatic sequence

33.160.01 Audiosustavi, videosustavi i audiovizualni sustavi općenito

Europska normizacija
CENELEC

EN 60728-13-1:2017
Cable networks for television signals, sound signals and interactive services – Part 13-1: Bandwidth expansion for broadcast signal over FTTH system (IEC 60728-13-1:2017 + COR1:2017)

33.160.40 Videosustavi

Europska normizacija
CENELEC

EN 63005-1:2017
Event video data recorder for road vehicle accidents – Part 1: Basic requirements (IEC 63005-1:2017)

33.170 Televizijski i radijski prijenos

Europska normizacija
ETSI

EN 300797 V 1.3.1:2017
Digital Audio Broadcasting (DAB) – Distribution interfaces – Service Transport Interface (STI)

Međunarodna normizacija
IEC

IEC 60728-3:2017
Cable networks for television signals, sound signals and interactive services – Part 3: Active wideband equipment for cable networks

33.180.01 Svjetlovodni sustavi općenito

Europska normizacija
CENELEC

EN 60728-13-1:2017
Cable networks for television signals, sound signals and interactive services – Part 13-1: Bandwidth expansion for broadcast signal over FTTH system (IEC 60728-13-1:2017 + COR1:2017)

33.180.10 Svjetlovodna vlakna i kabeli

Europska normizacija
CENELEC

EN 60793-1-33:2017
Optical fibres – Part 1-33: Measurement methods and test procedures – Stress corrosion susceptibility (IEC 60793-1-33:2017)

EN 60793-2-10:2017
Optical fibres – Part 2-10: Product specifications – Sectional specification for category A1 multimode fibres (IEC 60793-2-10:2017)

EN 60794-2:2017
Optical fibre cables – Part 2: Indoor cables – Sectional specification (IEC 60794-2:2017)

Međunarodna normizacija
IEC

IEC 60793-1-45:2017
Optical fibres – Part 1-45: Measurement methods and test procedures – Mode field diameter

33.200 Daljinsko upravljanje. Daljinsko mjerenje

Europska normizacija
CENELEC

EN 61970-452:2017
Energy management system application program interface (EMS-API) – Part 452: CIM static transmission network model profiles (IEC 61970-452:2017)

ETSI

ETSI TS 118132 V 2.0.2:2017
MAF and MEF Interface Specification (oneM2M TS-0032 version 2.0.2 Release 2A)

35.020 Informacijska tehnologija (IT) općenito

Međunarodna normizacija
ISO

ISO/IEC 19941:2017
Information technology – Cloud computing – Interoperability and portability

ISO/IEC TR 22446:2017
Information technology – Continual performance improvement of IT enabled services

35.030 Informatička sigurnost

Međunarodna normizacija
ISO

ISO/IEC 11770-3 AMD 1:2017
Information technology – Security techniques – Key management – Part 3: Mechanisms using asymmetric techniques – Amendment 1: Blinded Diffie-Hellman key agreement

ISO/IEC 11770-4:2017
Information technology – Security techniques – Key management – Part 4: Mechanisms based on weak secrets

ISO/IEC 18033-2 AMD 1:2017
Information technology – Security techniques – Encryption algorithms – Part 2: Asymmetric ciphers; Amendment 1: FACE

ISO/IEC 19823-10:2017
Information technology – Conformance test methods for security service crypto suites – Part 10: Crypto suite AES-128

ISO/IEC 27021:2017
Information technology – Security techniques – Competence requirements for information security management systems professionals

ISO/IEC 27050-3:2017
Information technology – Security techniques – Electronic discovery – Part 3: Code of practice for electronic discovery

35.040.40 Kodiranje audioinformacija, videoinformacija, multimedijjskih i hipermedijjskih informacija

Međunarodna normizacija ISO

ISO/IEC 14496-16 AMD 4:2017
Information technology – Coding of audio-visual objects – Part 16: Animation Framework eXtension (AFX) – Amendment 4: Pattern-based 3D mesh coding (PB3DMC)

ISO/IEC 23000-13:2017
Information technology – Multimedia application format (MPEG-A) – Part 13: Augmented reality application format

ISO/IEC 23008-5 AMD 1:2017
Information technology – High efficiency coding and media delivery in heterogeneous environments – Part 5: Reference software for high efficiency video coding – Amendment 1: Reference software for screen content coding extensions

ISO/IEC 23008-11 Technical Corrigendum 1:2017
Information technology – High efficiency coding and media delivery in heterogeneous environments – Part 11: MPEG media transport composition information; Technical Corrigendum 1

35.040.50 Tehnike automatskog prepoznavanja i preuzimanja podataka

Međunarodna normizacija ISO

ISO 15394:2017
Packaging – Bar code and two-dimensional symbols for shipping, transport and receiving labels

35.060 Jezici koji se upotrebljavaju u informacijskoj tehnologiji

Međunarodna normizacija ISO

ISO/IEC 14882:2017
Programming languages – C++

ISO/IEC 21778:2017
Information technology – The JSON data interchange syntax

IEC

IEC/TR 61131-8:2017
Industrial-process measurement and control – Programmable controllers – Part 8: Guidelines for the application and implementation of programming languages

35.080 Softver (programaska podrška)

Međunarodna normizacija ISO

ISO/IEC/IEEE 12207:2017
Systems and software engineering – Software life cycle processes

ISO/IEC 19513:2017
Information technology – Object Management Group Unified Profile for DoDAF and MODAF (UPDM), 2.1.1

ISO/IEC/IEEE 26513:2017
Systems and software engineering – Requirements for testers and reviewers of information for users

IEC

IEC/PAS 63131:2017
System control diagram

35.100.05 Višeslojna primjena

Europska normizacija CENELEC

EN 61784-3:2016/A1:2017
Industrial communication networks – Profiles – Part 3: Functional safety fieldbuses – General rules and profile definitions (IEC 61784-3:2016/A1:2017)

35.110 Umrežavanje

Europska normizacija CENELEC

EN 62056-5-3:2017
Electricity metering data exchange – The DLMS/COSEM suite – Part 5-3: DLMS/COSEM application layer (IEC 62056-5-3:2017)

EN 62056-8-5:2017
Electricity metering data exchange – The DLMS/COSEM suite – Part 8-5: Narrow-band OFDM G3-PLC communication profile for neighbourhood networks (IEC 62056-8-5:2017)

EN 62439-1:2010/A2:2017
Industrial communication networks – High availability automation networks – Part 1: General concepts and calculation methods (IEC 62439-1:2010/A2:2016)

ETSI

ETSI ES 203283 V 1.1.1:2017
Protocol specifications for Emergency Service Caller Location determination and transport

ETSI GR mWT 015 V 1.1.1:2017
Frequency Bands and Carrier Aggregation Systems – Band and Carrier Aggregation

ETSI GR NFV-TST 007 V 1.1.1:2017
Network Functions Virtualisation (NFV) – Testing – Guidelines on Interoperability Testing for MANO

Međunarodna normizacija ISO/IEC

ISO/IEC/IEEE 8802-1Q Technical Corrigendum 1:2017
Information technology – Telecommunications and information exchange between systems – Local and metropolitan area networks – Specific requirements – Part 1Q: Bridges and bridged networks; Technical and editorial corrections; Technical Corrigendum 1

ISO/IEC/IEEE 8802-1Q AMD 4:2017
Information technology – Telecommunications and information exchange between systems – Local and metropolitan area networks – Specific requirements – Part 1Q: Bridges and bridged networks – Amendment 4: Frame preemption

ISO/IEC/IEEE 8802-1Q AMD 5:2017
Information technology – Telecommunications and information exchange between systems – Local and metropolitan area networks – Specific requirements – Part 1Q: Bridges and bridged networks – Amendment 5: Enhancements to bridging of IEEE 802.11 media

ISO/IEC/IEEE 8802-3 AMD 1:2017
Information technology – Telecommunications and information exchange between systems – Local and metropolitan area networks – Specific requirements – Part 3: Standard for Ethernet; Amendment 1: Physical layer specifications and management parameters for 100 Mb/s operation over a single balanced twisted pair cable (100BASE-T1)

ISO/IEC/IEEE 8802-3 AMD 2:2017
Information technology – Telecommunications and information exchange between systems – Local and metropolitan area networks – Specific requirements – Part 3: Standard for Ethernet – Amendment 2: Media access control parameters, physical layers, and management parameters for 25 Gb/s operation

ISO/IEC/IEEE 8802-3 AMD 3:2017
Information technology – Telecommunications and information exchange between systems – Local and metropolitan area networks – Specific requirements – Part 3: Standard for Ethernet – Amendment 3: Physical layers and management parameters for 25 Gb/s and 40 Gb/s operation, types 25GBASE-T and 40GBASE-T

ISO/IEC/IEEE 8802-3 AMD 4:2017
Information technology – Telecommunications and information exchange between systems – Local and metropolitan area networks – Specific requirements – Part 3: Standard for Ethernet – Amendment 4: Physical layer specifications and management parameters for 1 Gb/s operation over a single twisted-pair copper cable

ISO/IEC/IEEE 8802-3 AMD 5:2017
Information technology – Telecommunications and information exchange between systems – Local and metropolitan area networks – Specific requirements – Part 3: Standard for Ethernet – Amendment 5: Specification and management parameters for interspersing express traffic

ISO/IEC/IEEE 8802-3 AMD 7:2017
Information technology – Telecommunications and information exchange between systems – Local and metropolitan area networks – Specific requirements – Part 3: Standard for Ethernet – Amendment 7: Media access control parameters, physical layers, and management parameters for 2.5 Gb/s and 5 Gb/s operation, types 2.5GBASE-T and 5GBASE-T

ISO/IEC/IEEE 8802-15-3:2017
Information technology – Telecommunications and information exchange between systems – Local and metropolitan area networks – Specific requirements – Part 15-3: High data rate wireless multi-media networks

ISO/IEC/IEEE 8802-15-6:2017
Information technology – Telecommunications and information exchange between systems – Local and metropolitan area networks – Specific requirements – Part 15-6: Wireless body area network

ISO/IEC 22425:2017
Information technology – Telecommunications and information exchange between systems – NFC-SEC Test Methods

ISO/IEC 30140-2:2017
Information technology – Underwater acoustic sensor network (UWASN) – Part 2: Reference architecture

35.160 Mikroprocesorski sustavi

Europska normizacija CENELEC

EN 50672:2017
Ecodesign requirements for computers and computer servers

EN 61784-3-2:2017
Industrial communication networks – Profiles – Part 3-2: Functional safety fieldbuses – Additional specifications for CPF 2 (IEC 61784-3-2:2016)

EN 61784-3-3:2017
Industrial communication networks – Profiles – Part 3-3: Functional safety fieldbuses – Additional specifications for CPF 3 (IEC 61784-3-3:2016)

EN 62453-303-2:2009/A1:2017
Field device tool (FDT) interface specification – Part 303-2: Communication profile integration – IEC 61784 CP 3/4, CP 3/5 and CP3/6 (IEC 62453-303-2:2009/A1:2016)

EN 62453-315:2009/A1:2017
Field device tool (FDT) interface specification – Part 315: Communication profile integration – IEC 61784 CPF 15 (IEC 62453-315:2009/A1:2016)

35.180 Terminalna i druga vanjska oprema informacijske tehnologije

Međunarodna normizacija ISO

ISO 9241-940:2017
Ergonomics of human-system interaction – Part 940: Evaluation of tactile and haptic interactions

35.200 Sučelna i spojna oprema

Europska normizacija CENELEC

EN 62680-1-2:2017
Universal serial bus interfaces for data and power – Part 1-2: Common components – USB Power Delivery specification (IEC 62680-1-2:2017)

Međunarodna normizacija ISO

ISO/IEC 10192-3:2017
Information technology – Home electronic system (HES) interfaces – Part 3: Modular communications interface for energy management

ISO/IEC 11801-1:2017
Information technology – Generic cabling for customer premises – Part 1: General requirements

ISO/IEC 11801-2:2017
Information technology – Generic cabling for customer premises – Part 2: Office premises

ISO/IEC 11801-3:2017
Information technology – Generic cabling for customer premises – Part 3: Industrial premises

ISO/IEC 11801-4:2017
Information technology – Generic cabling for customer premises – Part 4: Single-tenant homes

ISO/IEC 11801-5:2017
Information technology – Generic cabling for customer premises – Part 5: Data centres

ISO/IEC 11801-6:2017
Information technology – Generic cabling for customer premises – Part 6: Distributed building services

ISO/IEC 14165-151:2017
Information technology – Fibre channel – Part 151: Fibre Channel BaseT (FC-BaseT)

35.210 Računarstvo u oblaku

Međunarodna normizacija ISO

ISO/IEC 19941:2017
Information technology – Cloud computing – Interoperability and portability

35.220.30 Optičke naprave za pohranu podataka

Međunarodna normizacija IEC

IEC 62702-1-2:2017
Audio archive system – Part 1-2: BD disk and data migration for long-term audio data storage

35.240.01 Primjene informacijske tehnologije općenito

Međunarodna normizacija IEC

IEC 62919:2017
Content management – Monitoring and management of personal digital content

35.240.10 Računalno oblikovanje (CAD)

Međunarodna normizacija ISO

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

35.240.15 Identifikacijske kartice i pripadajuće naprave

Europska normizacija ETSI

ETSI TS 101220 V 10.4.0:2017
Smart Cards – ETSI numbering system for telecommunication application providers (Release 10)

ETSI TS 101220 V 11.2.0:2017
Smart Cards – ETSI numbering system for telecommunication application providers (Release 11)

Međunarodna normizacija ISO

ISO/IEC 7816-11:2017
Identification cards – Integrated circuit cards – Part 11: Personal verification through biometric methods

ISO/IEC 24709-1:2017
Information technology – Conformance testing for the biometric application programming interface (BioAPI) – Part 1: Methods and procedures

35.240.30 Primjene IT-a u obavješćivanju, dokumentaciji i izdavaštvu

Europska normizacija ETSI

EN 319412-5 V 2.2.1:2017
Electronic Signatures and Infrastructures (ESI) – Certificate Profiles – Part 5: QCStatements

Međunarodna normizacija ISO

ISO 16642:2017
Computer applications in terminology – Terminological markup framework

ISO 20614:2017
Information and documentation – Data exchange protocol for interoperability and preservation

ISO 21720:2017
XLIFF (XML Localisation interchange file format)

IEC

IEC 62448:2017
Multimedia systems and equipment – Multimedia E-publishing and E-books – Generic format for E-publishing

35.240.40 Primjene IT-a u bankarstvu

Međunarodna normizacija ISO

ISO 9564-1:2017
Financial services – Personal Identification Number (PIN) management and security – Part 1: Basic principles and requirements for PINs in card-based systems

ISO 20038:2017
Banking and related financial services – Key wrap using AES

35.240.50 Primjene IT-a u industriji

Europska normizacija CENELEC

EN 61511-1:2017/A1:2017
Functional safety – Safety instrumented systems for the process industry sector – Normative (uon) – Part 1: Framework, definitions, system, hardware and software requirements (IEC 61511-1:2016/A1:2017)

EN 61784-3-2:2017
Industrial communication networks – Profiles – Part 3-2: Functional safety fieldbuses – Additional specifications for CPF 2 (IEC 61784-3-2:2016)

EN 61784-3-3:2017
Industrial communication networks – Profiles – Part 3-3: Functional safety fieldbuses – Additional specifications for CPF 3 (IEC 61784-3-3:2016)

EN 61970-452:2017
Energy management system application program interface (EMS-API) – Part 452: CIM static transmission network model profiles (IEC 61970-452:2017)

EN 61987-24-2:2017
Industrial-process measurement and control – Data structures and elements in process equipment catalogues – Part 24-2: List of properties (LOPs) of valve/actuator accessories for electronic data exchange (IEC 61987-24-2:2017)

EN 61987-24-3:2017
Industrial-process measurement and control – Data structures and elements in process equipment catalogues – Part 24-3: Lists of properties (LOPs) of flow modification accessories for electronic data exchange (IEC 61987-24-3:2017)

EN 62439-2:2017
Industrial communication networks – High availability automation networks – Part 2: Media Redundancy Protocol (MRP) (IEC 62439-2:2016)

EN 62453-303-2:2009/A1:2017
Field device tool (FDT) interface specification – Part 303-2: Communication profile integration – IEC 61784 CP 3/4, CP 3/5 and CP3/6 (IEC 62453-303-2:2009/A1:2016)

EN 62453-315:2009/A1:2017
Field device tool (FDT) interface specification – Part 315: Communication profile integration – IEC 61784 CPF 15 (IEC 62453-315:2009/A1:2016)

EN 62657-1:2017
Industrial communication networks – Wireless communication networks – Part 1: Wireless communication requirements and spectrum considerations (IEC 62657-1:2017)

Međunarodna normizacija IEC

IEC/TR 61131-8:2017
Industrial-process measurement and control – Programmable controllers – Part 8: Guidelines for the application and implementation of programming languages

35.240.60 Primjene IT-a u prijevozu i trgovini

Europska normizacija ETSI

ETSI TS 103097 V 1.3.1:2017
Intelligent Transport Systems (ITS) – Security – Security header and certificate formats

Međunarodna normizacija ISO

- ISO/TR 10992-2:2017
Intelligent transport systems – Use of nomadic and portable devices to support ITS service and multimedia provision in vehicles – Part 2: Definition and use cases for mobile service convergence
- ISO 13184-3:2017
Intelligent transport systems (ITS) – Guidance protocol via personal ITS station for advisory safety systems – Part 3: Road guidance protocol (RGP) conformance test specification
- ISO 14813-6:2017
Intelligent transport systems – Reference model architecture(s) for the ITS sector – Part 6: Use of ASN.1
- ISO 16407-1:2017
Electronic fee collection – Evaluation of equipment for conformity to ISO 17575-1 – Part 1: Test suite structure and test purposes
- ISO 16410-1:2017
Electronic fee collection – Evaluation of equipment for conformity to ISO 17575-3 – Part 1: Test suite structure and test purposes
- ISO/TR 21718:2017
Intelligent transport systems – Spatio-temporal data dictionary for cooperative ITS and automated driving systems

35.240.70 Primjene IT-a u znanosti

Međunarodna normizacija ISO

- ISO 19160-4:2017
Addressing – Part 4: International postal address components and template language

35.240.80 Primjene IT-a u tehnologiji zaštite zdravlja

Europska normizacija CEN

- EN ISO 11073-10101/A1:2017
Health informatics – Point-of-care medical device communication – Part 10101: Nomenclature – Amendment 1: Additional definitions (ISO/IEEE 11073-10101:2004/Amd 1:2017)

Međunarodna normizacija ISO

- ISO/TR 19669:2017
Health informatics – Re-usable component strategy for use case development

35.240.95 Internetske aplikacije

Europska normizacija ETSI

- ETSI GR IP6 006 V 1.1.1:2017
Generic migration steps from IPv4 to IPv6

35.240.99 Primjene IT-a u ostalim područjima

Međunarodna normizacija ISO

- ISO/IEC 10192-3:2017
Information technology – Home electronic system (HES) interfaces – Part 3: Modular communications interface for energy management
- ISO 20380:2017
Public swimming pools – Computer vision systems for the detection of drowning accidents in swimming pools – Safety requirements and test methods

37.020 Optička oprema

Međunarodna normizacija ISO

- ISO 20263:2017
Microbeam analysis – Analytical electron microscopy – Method for the determination of interface position in the cross-sectional image of the layered materials

37.040.10 Fotografska oprema. Projektori

Međunarodna normizacija ISO

- ISO 8478:2017
Optics and photonics – Camera lenses – Measurement of ISO spectral transmittance

37.060.20 Kinematografski filmovi. Kazete

Međunarodna normizacija ISO

- ISO 12222:2017
Cinematography – Manufacturer-printed, latent image identification on 16 mm, 35 mm and 65 mm motion-picture film – Specifications and dimensions

39.040.10 Ručni i džepni satovi

Međunarodna normizacija ISO

- ISO 16253:2017
Watch-cases and accessories – Vapour phase deposited coatings

43.020 Cestovna vozila općenito

Međunarodna normizacija ISO

- ISO 20077-1:2017
Road Vehicles – Extended vehicle (ExVe) methodology – Part 1: General information

43.040.15 Informatika vozila. Računalni sustavi u vozilu

Europska normizacija CENELEC

- EN 63005-1:2017
Event video data recorder for road vehicle accidents – Part 1: Basic requirements (IEC 63005-1:2017)

Međunarodna normizacija ISO

- ISO/TR 10992-2:2017
Intelligent transport systems – Use of nomadic and portable devices to support ITS service and multimedia provision in vehicles – Part 2: Definition and use cases for mobile service convergence

43.040.20 Uređaji za osvjetljivanje, svjetlosnu signalizaciju i upozoravanje

Međunarodna normizacija IEC

- IEC 60809 AMD 2:2017
Lamps for road vehicles – Dimensional, electrical and luminous requirements; Amendment 2
- IEC 60809 Edition 3.2:2017
Lamps for road vehicles – Dimensional, electrical and luminous requirements

43.040.80 Sustavi za zaštitu od sudara i držanje

Međunarodna normizacija ISO

ISO 29061-3:2017
Road vehicles – Methods and criteria for usability evaluation of child restraint systems and their interface with vehicle anchorage systems – Part 3: Installation of child restraint systems using vehicle seat belts

ISO 29061-4:2017
Road vehicles – Methods and criteria for usability evaluation of child restraint systems and their interface with vehicle anchorage systems – Part 4: Securing of child in child restraint system and daily handling aspects

ISO 29061-5:2017
Road vehicles – Methods and criteria for usability evaluation of child restraint systems and their interface with vehicle anchorage systems – Part 5: Installation and securing of child in a booster system

43.080.10 Teretna vozila i prikolice

Europska normizacija CEN

EN 16973:2017
Road vehicles for combined transport – Semitrailer – Vertical transshipment

43.120 Električna cestovna vozila

Europska normizacija CENELEC

EN 61851-21-1:2017
Electric vehicle conductive charging system – Part 21-1: Electric vehicle on-board charger EMC requirements for conductive connection to an AC/DC supply (IEC 61851-21-1:2017)

EN 61851-21-1:2017/AC:2017
Electric vehicle conductive charging system – Part 21-1: Electric vehicle on-board charger EMC requirements for conductive connection to an AC/DC supply (IEC 61851-21-1:2017)

45.060.01 Željeznička tračnička vozila općenito

Europska normizacija CENELEC

EN 50343:2014/A1:2017
Railway applications – Rolling stock – Rules for installation of cabling

EN 60077-1:2017
Railway applications – Electric equipment for rolling stock – Part 1: General service conditions and general rules (IEC 60077-1:2017)

EN 60077-2:2017
Railway applications – Electric equipment for rolling stock – Part 2: Electrotechnical components – General rules (IEC 60077-2:2017)

47.020.70 Oprema za navigaciju i upravljanje

Europska normizacija ETSI

EN 300338-1 V 1.4.2:2017
Technical characteristics and methods of measurement for equipment for generation, transmission and reception of Digital Selective Calling (DSC) in the maritime MF, MF/HF and/or VHF mobile service – Part 1: Common requirements

EN 303276 V 1.1.1:2017
Maritime Broadband Radiolink operating within the bands 5852 MHz to 5872 MHz and/or 5880 MHz to 5900 MHz for ships and off-shore installations engaged in coordinated activities – Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU

47.020.99 Ostale norme koje se odnose na brodogradnju i pomorske konstrukcije

Međunarodna normizacija ISO

ISO 21070:2017
Ships and marine technology – Marine environment protection – Management and handling of shipboard

49.060 Zrakoplovna električna oprema i sustavi

Europska normizacija CEN

EN 2346-005:2017
Aerospace series – Cable, electrical, fire resistant – Operating temperatures between -65 °C and 260 °C – Part 005: DW family, single UV laser printable and multicore assembly – Light weight – Product standard

EN 2997-006:2017
Aerospace series – Connectors, electrical, circular, coupled by threaded ring, fire-resistant or non fire-resistant, operating temperatures –65 °C to 175 °C continuous, 200 °C continuous, 260 °C peak – Part 006: Hermetic jam-nut mounted receptacle – Product standard

EN 4652-221:2017
Aerospace series – Connectors, coaxial, radio frequency – Part 221: Type 2, TNC interface – Crimp version – Right angle plug – Product standard

EN 4652-222:2017
Aerospace series – Connectors, coaxial, radio frequency – Part 222: Type 2, TNC interface – Crimp version – Square flange receptacle – Product standard

EN 4652-320:2017
Aerospace series – Connectors, coaxial, radio frequency – Part 320: Type 3, N interface – Crimp version – Straight plug – Product standard

EN 4652-321:2017
Aerospace series – Connectors, coaxial, radio frequency – Part 321: Type 3, N interface – Crimp assembly version – Right angle plug – Product standard

EN 4652-322:2017
Aerospace series – Connectors, coaxial, radio frequency – Part 322: Type 3, N interface – Crimp version – Square flange receptacle – Product standard

EN 4674-004:2017
Aerospace series – Electrical cables, installation – Self-wrapping shielding (EMI) protective sleeve – Part 004: Open sleeve – Outside pressurized area – EMI protection 10 kA – Temperature range – 65 °C to 200 °C – Product standard

EN 4708-104:2017
Aerospace series – Sleeving, heat-shrinkable, for binding, insulation and identification – Part 104: Semi-rigid polyvinylidene fluoride (PDVF) – Operating temperature -55 °C to 175 °C – Product

EN 6049-008:2017
Aerospace series – Electrical cables, installation – Protection sleeve in meta-aramid fibres – Part 008: Self-wrapping shielded (EMI) protective sleeve with nickel copper braid, flexible post installation operating temperature from -55 °C to 200 °C – Product standard

EN 6059-303:2017
Aerospace series – Electrical cables, installation – Protection sleeves – Test methods – Part 303: Resistance to fluids

49.100 Zemaljska služba i oprema za održavanje

Međunarodna normizacija ISO

ISO 1825:2017
Rubber hoses and hose assemblies for aircraft ground fuelling and defuelling – Specification

49.120 Oprema za rukovanje teretom

Međunarodna normizacija ISO

ISO 9788:2017
Air cargo – Double stud tie-down fittings – Design and testing requirements

49.140 Svemirski sustavi i operacije

Međunarodna normizacija ISO

ISO 18676:2017
Space systems – Guidelines for the management of systems engineering

53.020.30 Pribor za opremu za dizanje

Međunarodna normizacija ISO

ISO 4309:2017
Cranes – Wire ropes – Care and maintenance, inspection and discard

53.100 Strojevi za zemljane radove

Međunarodna normizacija ISO

ISO 16001:2017
Earth-moving machinery – Object detection systems and visibility aids – Performance requirements and tests

55.020 Ambalaža, pakiranje i distribucija robe općenito

Međunarodna normizacija ISO

ISO 15394:2017
Packaging – Bar code and two-dimensional symbols for shipping, transport and receiving labels

ISO 19809:2017
Packaging – Accessible design – Information and marking

55.180.10 Kontejneri opće namjene

Međunarodna normizacija ISO

ISO 3874:2017
Series 1 freight containers – Handling and securing

59.080.01 Tekstili općenito

Međunarodna normizacija ISO

ISO 21340:2017
Test methods for fibrous activated carbon

59.100.10 Tekstilno staklo

Međunarodna normizacija ISO

ISO 2797:2017
Textile glass – Rovings – Basis for a specification

ISO 5025:2017
Reinforcement products – Woven fabrics – Determination of width and length

59.120.10 Strojevi za predenje, pletenje i tkanje

Međunarodna normizacija ISO

ISO 368:2017
Spinning preparatory, spinning and doubling (twisting) machinery – Tubes for ring-spinning, doubling and twisting spindles, taper 1:38 and 1:64

61.060 Obuća

Europska normizacija CEN

EN ISO 20536:2017
Footwear – Critical substances potentially present in footwear and footwear components – Determination of phenol in footwear materials (ISO 20536:2017)

65.060.10 Poljoprivredni traktori i priključna vozila

Međunarodna normizacija ISO

ISO 20383:2017
Tractors and machinery for agriculture and forestry – Speed Identification Sign (SIS)

65.060.50 Oprema za žetvu

Međunarodna normizacija ISO

ISO 4254-7:2017
Agricultural machinery – Safety – Part 7: Combine harvesters, forage harvesters, cotton harvesters and sugar cane harvesters

65.060.70 Oprema za vrtlarstvo

Međunarodna normizacija ISO

ISO 5395-3:2013/Amd 2:2017
Garden equipment – Safety requirements for combustion-engine-powered lawnmowers – Part 3: Ride-on lawnmowers with seated operator – Amendment 2: Cutting means enclosure guards

65.080 Gnojiva

Europska normizacija CEN

EN 13368-2:2017
Fertilizers – Determination of chelating agents in fertilizers by chromatography – Part 2: Determination of Fe chelated by [o,o] EDDHA, [o,o] EDDHMA and HBED, or the amount of chelating agents, by ion pair chromatography

65.160 Duhan, duhanski proizvodi i odgovarajuća oprema

Međunarodna normizacija ISO

ISO 17175:2017
Bidis – Determination of total and nicotine-free dry particulate matter using a linear routine analytical smoking machine

ISO 22634-1:2017
Cigarettes – Determination of benzo[a]pyrene in cigarette mainstream smoke using GC/MS – Part 1: Method using methanol as extraction solvent

ISO 22634-2:2017
Cigarettes – Determination of benzo[a]pyrene in cigarette mainstream smoke using GC/MS – Part 2: Method using cyclohexane as extraction solvent

67.050 Opće metode ispitivanja i analize hrane

Međunarodna normizacija ISO

ISO 18787:2017
Foodstuffs – Determination of water activity

67.140.30 Kakao

Međunarodna normizacija ISO

ISO 2292:2017
Cocoa beans – Sampling

ISO 2451:2017
Cocoa beans – Specification and quality requirements

71.040.50 Fizikalnokemijske metode analize

Međunarodna normizacija ISO

ISO 20263:2017
Microbeam analysis – Analytical electron microscopy – Method for the determination of interface position in the cross-sectional image of the layered materials

71.100.45 Rashladne tvari i antifrizi

Međunarodna normizacija ISO

ISO 817:2014/Amd 1:2017
Refrigerants – Designation and safety classification; Amendment 1

71.100.60 Eterična ulja

Međunarodna normizacija ISO

ISO 19817:2017
Essential oil of thyme [Thymus vulgaris L. and Thymus zygis L.], thymol type

75.080 Naftni proizvodi općenito

Međunarodna normizacija ISO

ISO 4259-1:2017
Petroleum and related products – Precision of measurement methods and results – Part 1: Determination of precision data in relation to methods of test

ISO 4259-2:2017
Petroleum and related products – Precision of measurement methods and results – Part 2: Interpretation and application of precision data in relation to methods of test

75.160.10 Kruta goriva

Međunarodna normizacija ISO

ISO 11726:2017
Solid mineral fuels – Guidelines for the validation of alternative methods of analysis

75.180.10 Oprema za iskorištavanje i vađenje

Međunarodna normizacija ISO

ISO 19901-2:2017
Petroleum and natural gas industries – Specific requirements for offshore structures – Part 2: Seismic design procedures and criteria

75.180.30 Volumetrijska oprema i mjerenja

Međunarodna normizacija ISO

ISO 2714:2017
Liquid hydrocarbons – Volumetric measurement by displacement meter

ISO 2715:2017
Liquid hydrocarbons – Volumetric measurement by turbine flowmeter

75.200 Oprema za rukovanje naftnim proizvodima i prirodnim plinom

Međunarodna normizacija ISO

ISO 21307:2017
Plastics pipes and fittings – Butt fusion jointing procedures for polyethylene (PE) piping systems

77.040.10 Mehaničko ispitivanje metala

Europska normizacija CEN

EN ISO 5754:2017
Sintered metal materials, excluding hardmetals – Unnotched impact test piece (ISO 5754:2017)

77.040.20 Nerazorno ispitivanje metala

Europska normizacija CEN

EN 12681-1:2017
Founding – Radiographic testing – Part 1: Film techniques

77.040.99 Ostale metode za ispitivanje metala

Međunarodna normizacija ISO

ISO 3887:2017
Steels – Determination of the depth of decarburization

77.140.30 Čelici za tlačne svrhe

Europska normizacija CEN

- EN 10207:2017
Steels for simple pressure vessels – Technical delivery requirements for plates, strips and bars

77.140.50 Proizvodi i poluproizvodi od plosnatog čelika

Međunarodna normizacija ISO

- ISO 9364:2017
Steel sheet, 55 % aluminium-zinc alloy-coated by the continuous hot-dip process, of commercial, drawing and structural qualities
- ISO 13887:2017
Steel sheet, cold-reduced, of higher yield strength with improved formability
- ISO 14788:2017
Steel sheet, zinc-5 % aluminium alloy-coated by the continuous hot-dip process, of commercial, drawing and structural qualities
- ISO 20805:2017
Hot-rolled steel sheet in coils of higher yield strength with improved formability and heavy thickness for cold forming

77.140.60 Čelične šipke i žice

Europska normizacija CEN

- EN 10263-4:2017
Steel rod, bars and wire for cold heading and cold extrusion – Part 4: Technical delivery conditions for steels for quenching and tempering
- EN 10263-5:2017
Steel rod, bars and wire for cold heading and cold extrusion – Part 5: Technical delivery conditions for stainless steels

77.140.65 Čelična žica, čelična užad i lanci

Europska normizacija CEN

- EN 10263-4:2017
Steel rod, bars and wire for cold heading and cold extrusion – Part 4: Technical delivery conditions for steels for quenching and tempering
- EN 10263-5:2017
Steel rod, bars and wire for cold heading and cold extrusion – Part 5: Technical delivery conditions for stainless steels

77.160 Metalurgija praha

Europska normizacija CEN

- EN ISO 4492:2017
Metallic powders, excluding powders for hardmetals – Determination of dimensional changes associated with compacting and sintering (ISO 4492:2017)
- EN ISO 5754:2017
Sintered metal materials, excluding hardmetals – Unnotched impact test piece (ISO 5754:2017)

79.040 Drvo, trupci i piljena građa

Međunarodna normizacija ISO

- ISO 13061-10:2017
Physical and mechanical properties of wood – Test methods for small clear wood specimens – Part 10: Determination of impact bending strength
- ISO 13912:2017
Structural timber – Machine strength grading – Basic principles

79.120.10 Strojevi za obradu drva

Međunarodna normizacija ISO

- ISO 19085-3:2017
Woodworking machines – Safety requirements – Part 3: Numerically controlled (NC) boring and routing machines
- ISO 19085-6:2017
Woodworking machines – Safety – Part 6: Single spindle vertical moulding machines („toupies“)
- ISO 19085-8:2017
Woodworking machines – Safety – Part 8: Belt sanding and calibrating machines for straight workpieces

83.040.10 Lateks i sirova guma

Međunarodna normizacija ISO

- ISO 2004:2017
Natural rubber latex concentrate – Centrifuged or creamed, ammonia-preserved types – Specifications
- ISO 7781:2017
Styrene-butadiene rubber, raw – Determination of soap and organic-acid content

83.060 Guma

Međunarodna normizacija ISO

- ISO 37:2017
Rubber, vulcanized or thermoplastic – Determination of tensile stress-strain properties

83.080.01 Plastika općenito

Europska normizacija CEN

- EN ISO 899-1:2017
Plastics – Determination of creep behaviour – Part 1: Tensile creep (ISO 899-1:2017)
- EN ISO 22007-1:2017
Plastics – Determination of thermal conductivity and thermal diffusivity – Part 1: General principles (ISO 22007-1:2017)

Međunarodna normizacija ISO

- ISO/TR 10093:2017
Plastics – Fire tests – Standard ignition sources

83.080.10 Duromerni materijali

Međunarodna normizacija ISO

- ISO 20368:2017
Plastics – Epoxy resins – Determination of degree of crosslinking of crosslinked epoxy resins by Fourier Transform Infrared (FTIR) Spectroscopy

83.080.20 Plastomerni materijali

Europska normizacija CEN

EN ISO 10350-1:2017
Plastics – Acquisition and presentation of comparable single-point data – Part 1: Moulding materials (ISO 10350-1:2017)

Međunarodna normizacija ISO

ISO 294-5:2017
Plastics – Injection moulding of test specimens of thermoplastic materials – Part 5: Preparation of standard specimens for investigating anisotropy

83.140.40 Crijeva

Europska normizacija CEN

EN ISO 5359/A1:2017
Anaesthetic and respiratory equipment – Low-pressure hose assemblies for use with medical gases – Amendment 1 (ISO 5359:2014/Amd 1:2017)

Međunarodna normizacija ISO

ISO 1825:2017
Rubber hoses and hose assemblies for aircraft ground fuelling and defuelling – Specification

83.160.01 Gume za vozila općenito

Međunarodna normizacija ISO

ISO 4223-1:2017
Definitions of some terms used in the tyre industry – Part 1: Pneumatic tyres

83.160.10 Gume za cestovna vozila

Međunarodna normizacija ISO

ISO 19940:2017
Tyre stiffness index testing procedure for passenger car extended mobility and run flat tyres

83.160.99 Ostale vrste guma za vozila

Međunarodna normizacija ISO

ISO 4250-1:2017
Earth-mover tyres and rims – Part 1: Tyre designation and dimensions

83.180 Adhezivi

Međunarodna normizacija ISO

ISO 6237:2017
Adhesives – Wood-to-wood adhesive bonds – Determination of shear strength by tensile loading

85.060 Papir i karton

Međunarodna normizacija ISO

ISO 287:2017
Paper and board – Determination of moisture content of a lot – Oven-drying method

87.020 Procesi premazivanja bojom

Međunarodna normizacija ISO

ISO 12944-1:2017
Paints and varnishes – Corrosion protection of steel structures by protective paint systems – Part 1: General introduction

ISO 12944-2:2017
Paints and varnishes – Corrosion protection of steel structures by protective paint systems – Part 2: Classification of environments

ISO 12944-3:2017
Paints and varnishes – Corrosion protection of steel structures by protective paint systems – Part 3: Design considerations

ISO 12944-7:2017
Paints and varnishes – Corrosion protection of steel structures by protective paint systems – Part 7: Execution and supervision of paint work

ISO 12944-8:2017
Paints and varnishes – Corrosion protection of steel structures by protective paint systems – Part 8: Development of specifications for new work and maintenance

87.040 Boje i lakovi

Međunarodna normizacija ISO

ISO 2812-1:2017
Paints and varnishes – Determination of resistance to liquids – Part 1: Immersion in liquids other than water

ISO 2812-4:2017
Paints and varnishes – Determination of resistance to liquids – Part 4: Spotting methods

ISO 6270-2:2017
Paints and varnishes – Determination of resistance to humidity – Part 2: Condensation (in-cabinet exposure with heated water reservoir)

91.010.01 Građevinska industrija općenito

Međunarodna normizacija ISO

ISO 6707-1:2017
Buildings and civil engineering works – Vocabulary – Part 1: General terms

91.010.20 Ugovorni aspekti

Međunarodna normizacija ISO

ISO 6707-2:2017
Buildings and civil engineering works – Vocabulary – Part 2: Contract and communication terms

91.100.50 Veziva. Materijali za brtvljenje

Europska normizacija CEN

EN ISO 8394-2:2017
Buildings and civil engineering works – Determination of extrudability for sealant – Part 2: Using standardized apparatus (ISO 8394-2:2017)

91.140.30 Sustavi prozračivanja i klimatizacije

Europska normizacija
CEN

EN 12102-1:2017
Air conditioners, liquid chilling packages, heat pumps, process chillers and dehumidifiers with electrically driven compressors – Determination of the sound power level – Part 1: Air conditioners, liquid chilling packages, heat pumps for space heating and cooling, dehumidifiers and process chillers

91.140.50 Sustavi opskrbe električnom energijom

Europska normizacija
CENELEC

EN 62056-5-3:2017
Electricity metering data exchange – The DLMS/COSEM suite – Part 5-3: DLMS/COSEM application layer (IEC 62056-5-3:2017)

EN 62056-8-5:2017
Electricity metering data exchange – The DLMS/COSEM suite – Part 8-5: Narrow-band OFDM G3-PLC communication profile for neighbourhood networks (IEC 62056-8-5:2017)

HD 60364-6/AC:2017
Errichten von Niederspannungsanlagen – Teil 6: Prüfungen (IEC 60364-6:2016/COR1:2017)

Međunarodna normizacija
IEC

IEC/TR 63097:2017
Smart grid standardization roadmap

91.140.80 Odvodni sustavi

Europska normizacija
CEN

EN 1451-1:2017
Plastics piping systems for soil and waste discharge (low and high temperature) within the building structure – Polypropylene (PP) – Part 1: Specifications for pipes, fittings and the system

91.140.90 Dizala. Pokretne stube

Europska normizacija
CEN

CEN/TR 115-3:2017
Safety of escalators and moving walks – Part 3: Correlation between EN 115-1:2008+A1:2010 and EN 115-1:2017

93.010 Niskogradnja općenito

Međunarodna normizacija
ISO

ISO 6707-1:2017
Buildings and civil engineering works – Vocabulary – Part 1: General terms

93.020 Zemljani radovi. Iskopavanja. Temeljenje. Podzemni radovi

Europska normizacija
CEN

EN ISO 22476-10:2017
Geotechnical investigation and testing – Field testing – Part 10: Weight sounding test (ISO 22476-10:2017)

Međunarodna normizacija
ISO

ISO 18674-3:2017
Geotechnical investigation and testing – Geotechnical monitoring by field instrumentation – Part 3: Measurement of displacements across a line: Inclinometers

93.025 Vanjski vodovodni sustavi

Međunarodna normizacija
ISO

ISO 21307:2017
Plastics pipes and fittings – Butt fusion jointing procedures for polyethylene (PE) piping systems

93.080.20 Materijali za gradnju cesta

Europska normizacija
CEN

EN 12697-23:2017
Bituminous mixtures – Test methods – Part 23: Determination of the indirect tensile strength of bituminous specimens

93.100 Gradnja željezničkih pruga

Međunarodna normizacija
IEC

IEC 60050-821:2017
International electrotechnical vocabulary – Part 821: Signalling and security apparatus for railways

97.120 Automatsko upravljanje za kućansku upotrebu

Međunarodna normizacija
IEC

IEC/TR 63097:2017
Smart grid standardization roadmap

97.150 Netekstilni podni prekrivači

Međunarodna normizacija
ISO

ISO 10582:2017
Resilient floor coverings – Heterogeneous poly(vinyl chloride) floor covering – Specifications

97.170 Oprema za njegu tijela

Europska normizacija
CENELEC

EN 62863:2017
Methods of measuring performances of electric hair clippers or trimmers for household use (IEC 62863:2017)

97.220.01 Sportska oprema i objekti općenito

Međunarodna normizacija

ISO

- ISO 21924-1:2017
Protective equipment for martial arts – Part 1: General requirements and test methods
- ISO 21924-2:2017
Protective equipment for martial arts – Part 2: Additional requirements and test methods for instep protectors, shin protectors and forearm protectors
- ISO 21924-3:2017
Protective equipment for martial arts – Part 3: Additional requirements and test methods for trunk protectors
- ISO 21924-4:2017
Protective equipment for martial arts – Part 4: Additional requirements and test methods for head protectors
- ISO 21924-5:2017
Protective equipment for martial arts – Part 5: Additional requirements and test methods for genital protectors and abdominal protectors
- ISO 21924-6:2017
Protective equipment for martial arts – Part 6: Additional requirements and test methods for breast protectors for females
- ISO 21924-7:2017
Protective equipment for martial arts – Part 7: Additional requirements and test methods for hand and foot protectors

97.220.10 Sportski objekti

Europska normizacija

CEN

- EN 13865:2017/AC:2017
Surfaces for sports areas – Determination of angled ball behaviour – Tennis

Međunarodna normizacija

ISO

- ISO 20380:2017
Public swimming pools – Computer vision systems for the detection of drowning accidents in swimming pools – Safety requirements and test methods

97.220.20 Oprema za zimske sportove

Međunarodna normizacija

ISO

- ISO 7138:2017
Cross-country skis – Determination of mass and location of balance point