

Hrvatski zavod za norme

Oglasnik za normativne dokumente

5/2019 svibanj, 2019.

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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1 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 8, Brodogradnja

HRN ISO 5894:2019 en pr
Brodovi i pomorska tehnologija – Provlake s poklopcima spojenim vijcima (ISO 5894:2018)
Ships and marine technology – Manholes with bolted covers (ISO 5894:2018)

HRN ISO 16304:2019 en pr
Brodovi i pomorska tehnologija – Zaštita morskog okoliša – Izvedba i upravljanje prihvatnih uređaja za otpad u lukama (ISO 16304:2018)
Ships and marine technology – Marine environment protection – Arrangement and management of port waste reception facilities (ISO 16304:2018)

HRN ISO 17339:2019 en pr
Brodovi i pomorska tehnologija – Spašavanje života i zaštita od požara – Zavlachna sidra za plovila za preživljavanje i brodice za prikupljanje (ISO 17339:2018)
Ships and marine technology – Life saving and fire protection – Sea anchors for survival craft and rescue boats (ISO 17339:2018)

HZN/TO 22, Cestovna vozila

HRN EN ISO 15118-1:2019 en pr
Cestovna vozila – Komunikacijsko sučelje između vozila i električne mreže – 1. dio: Opće informacije i definicija slučajne uporabe (ISO 15118-1:2019; EN ISO 15118-1:2019)
Road vehicles – Vehicle to grid communication interface – Part 1: General information and use-case definition (ISO 15118-1:2019; EN ISO 15118-1:2019)

HZN/TO 28, Naftni proizvodi i maziva

HRN EN ISO 3405:2019 en pr
Nafta i srodni proizvodi iz prirodnih ili sintetičkih izvora – Određivanje značajki destilacije pri atmosferskom tlaku (ISO 3405:2019; EN ISO 3405:2019)
Petroleum and related products from natural or synthetic sources – Determination of distillation characteristics at atmospheric pressure (ISO 3405:2019; EN ISO 3405:2019)

HZN/TO 44, Zavarivanje i srodni postupci

HRN EN ISO 2553:2019 en pr
Zavarivanje i srodni postupci – Simbolički prikaz na crtežima – Zavareni spojevi (ISO 2553:2019; EN ISO 2553:2019)
Welding and allied processes – Symbolic representation on drawings – Welded joints (ISO 2553:2019; EN ISO 2553:2019)

HZN/TO 86, Uređaji za hlađenje, klimatizaciju i dizalice topline

HRN EN 16825:2016/A1:2019 en pr
Rashladni ormari i vitrine za skladištenje hrane za profesionalnu upotrebu – Razredba, zahtjevi i uvjeti ispitivanja (EN 16825:2016/A1:2019)
Refrigerated storage cabinets and counters for professional use – Classification, requirements and test conditions (EN 16825:2016/A1:2019)

HRN EN 17032:2018/A1:2019 en pr
Rashladni uređaji za brzo hlađenje i zamrzavanje za profesionalnu upotrebu – Razredba, zahtjevi i uvjeti ispitivanja (EN 17032:2018/A1:2019)
Blast chillers and freezers cabinets for professional use – Classification, requirements and test conditions (EN 17032:2018/A1:2019)

HZN/TO 120, Koža i obuća

HRN EN ISO 17072-1:2019 en pr
Koža – Kemijsko određivanje sadržaja metala – 1. dio: Izlučivi metali (ISO 17072-1:2019; EN ISO 17072-1:2019)
Leather – Chemical determination of metal content – Part 1: Extractable metals (ISO 17072-1:2019; EN ISO 17072-1:2019)

HRN EN ISO 17072-2:2019 en pr
Koža – Kemijsko određivanje sadržaja metala – 2. dio: Ukupan sadržaj metala (ISO 17072-2:2019; EN ISO 17072-2:2019)
Leather – Chemical determination of metal content – Part 2: Total metal content (ISO 17072-2:2019; EN ISO 17072-2:2019)

HRN EN ISO 22700:2019 en pr
Koža – Mjerenje boje i razlike boje na dorađenoj koži (ISO 22700:2019; EN ISO 22700:2019)
Leather – Measuring the colour and colour difference of finished leather (ISO 22700:2019; EN ISO 22700:2019)

HRN EN ISO 26082-1:2019 en pr
Koža – Fizikalne i mehaničke metode ispitivanja za određivanje zaprljanja – 1. dio: Metoda trljanja (po Martindaleu) (ISO 26082-1:2019; EN ISO 26082-1:2019)
Leather – Physical and mechanical test methods for the determination of soiling – Part 1: Rubbing (Martindale) method (ISO 26082-1:2019; EN ISO 26082-1:2019)

HZN/TO 135, Nerazorna ispitivanja

HRN EN ISO 15708-1:2019 en pr
Nerazorno ispitivanje – Metode zračenja za računalnu tomografiju – 1. dio: Nazivlje (ISO 15708-1:2017; EN ISO 15708-1:2019)
Non-destructive testing – Radiation methods for computed tomography – Part 1: Terminology (ISO 15708-1:2017; EN ISO 15708-1:2019)

HRN EN ISO 15708-2:2019 en pr
Nerazorno ispitivanje – Metode zračenja za računalnu tomografiju – 2. dio: Načela, oprema i uzorci (ISO 15708-2:2017; EN ISO 15708-2:2019)
Non-destructive testing – Radiation methods for Computed tomography – Part 2: Principles, equipment and samples (ISO 15708-2:2017; EN ISO 15708-2:2019)

HRN EN ISO 15708-3:2019 en pr
Nerazorno ispitivanje – Metode zračenja za računalnu tomografiju – 3. dio: Provedba i tumačenje (ISO 15708-3:2017; EN ISO 15708-3:2019)
Non-destructive testing – Radiation methods for computed tomography – Part 3: Operation and interpretation (ISO 15708-3:2017; EN ISO 15708-3:2019)

HZN/TO 136, Namještaj

HRN EN 527-2:2019 en pr
Uredski namještaj – Uredski radni stolovi – 2. dio: Zahtjevi za čvrstoću, trajnost i sigurnost (EN 527-2:2016+A1:2019)
Office furniture – Work tables – Part 2: Safety, strength and durability requirements (EN 527-2:2016+A1:2019)

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

HRN EN 1519-1:2019 en pr
Plastični cijevni sustavi za odvodnju onečišćenih i otpadnih voda (niske i visoke temperature) unutar građevinskih konstrukcija – Polietilen (PE) – 1. dio: Zahtjevi za cijevi, spojnice i sustav (EN 1519-1:2019)
Plastics piping systems for soil and waste discharge (low and high temperature) within the building structure – Polyethylene (PE) – Part 1: Requirements for pipes, fittings and the system (EN 1519-1:2019)

HRN EN 17176-1:2019 en pr
Plastični cijevni sustavi za opskrbu vodom i podzemnu i nadzemnu tlačnu odvodnju, kanalizaciju i navodnjavanje – Orijentirani neomekšani poli(vinil-klorid) (PVC-O) – 1. dio: Općenito (EN 17176-1:2019)
Plastics piping systems for water supply and for buried and above ground drainage, sewerage and irrigation under pressure – Oriented unplasticized poly(vinyl chloride) (PVC-O) – Part 1: General (EN 17176-1:2019)

HRN EN 17176-2:2019 en pr
Plastični cijevni sustavi za opskrbu vodom i podzemnu i nadzemnu tlačnu odvodnju, kanalizaciju i navodnjavanje – Orijentirani neomekšani poli(vinil-klorid) (PVC-O) – 2. dio: Cijevi (EN 17176-2:2019)
Plastics piping systems for water supply and for buried and above ground drainage, sewerage and irrigation under pressure – Oriented unplasticized poly(vinyl chloride) (PVC-O) – Part 2: Pipes (EN 17176-2:2019)

HRS CEN/TS 17176-3:2019 en pr
Plastični cijevni sustavi za opskrbu vodom i podzemnu i nadzemnu tlačnu odvodnju, kanalizaciju i navodnjavanje – Orijentirani neomekšani poli(vinil-klorid) (PVC-O) – 3. dio: Spojnice (CEN/TS 17176-3:2019)
Plastics piping systems for water supply and for buried and above ground drainage, sewerage and irrigation under pressure – Oriented unplasticized poly(vinyl chloride) (PVC-O) – Part 3: Fittings (CEN/TS 17176-3:2019)

HRN EN 17176-5:2019 en pr
Plastični cijevni sustavi za opskrbu vodom i podzemnu i nadzemnu tlačnu odvodnju, kanalizaciju i navodnjavanje – Orijentirani neomekšani poli(vinil-klorid) (PVC-O) – 5. dio: Prikladnost sustava za uporabu (EN 17176-5:2019)
Plastics piping systems for water supply and for buried and above ground drainage, sewerage and irrigation under pressure – Oriented unplasticized poly(vinyl chloride) (PVC-O) – Part 5: Fitness for purpose of the system (EN 17176-5:2019)

HZN/TO 146, Kvaliteta zraka

HRN EN 16868:2019 en pr
Vanjski zrak – Uzorkovanje i analiza peludnih zrnaca i spora gljiva u zraku za potrebe mreža povezanih s alergijama – Volumetrijska Hirstova metoda (EN 16868:2019)
Ambient air – Sampling and analysis of airborne pollen grains and fungal spores for networks related to allergy – Volumetric Hirst method (EN 16868:2019)

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

HRN EN ISO 12010:2019 en pr
Kvaliteta vode – Određivanje kratkolančanih polikloriranih alkana (SCCPs) u vodi – Metoda plinske kromatografije-spektrometrije masa (GC-MS) i kemijske ionizacije negativno nabijenim ionima (NCI) (ISO 12010:2019; EN ISO 12010:2019)
Water quality – Determination of short-chain polychlorinated alkanes (SCCP) in water – Method using gas chromatography-mass spectrometry (GC-MS) and negative-ion chemical ionization (NCI) (ISO 12010:2019; EN ISO 12010:2019)

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

HRN EN 17218:2019 en pr
Kvaliteta vode – Smjernice za uzorkovanje mezozooplanktona iz morskih i boćatih voda upotrebom mreža (EN 17218:2019)
Water quality – Guidance on sampling of mesozooplankton from marine and brackish water using mesh (EN 17218:2019)

HZN/TO 159, Ergonomija

HRN EN ISO 9241-220:2019 en pr
Ergonomija interakcije čovjek-sustav – 220. dio: Procesi za omogućavanje, izvedbu i ocjenu dizajna prilagođenog čovjeku unutar organizacija (ISO 9241-220:2019; EN ISO 9241-220:2019)
Ergonomics of human-system interaction – Part 220: Processes for enabling, executing and assessing human-centred design within organizations (ISO 9241-220:2019; EN ISO 9241-220:2019)

HZN/TO 167, Metalne konstrukcije

HRN EN 1090-3:2019 en pr
Izvedba čeličnih i aluminijskih konstrukcija – 3. dio: Tehnički zahtjevi za aluminijske konstrukcije (EN 1090-3:2019)
Execution of steel structures and aluminium structures – Part 3: Technical requirements for aluminium structures (EN 1090-3:2019)

HZN/TO 181, Sigurnost igračka i proizvodi za djecu

HRN EN 71-3:2019 en pr
Sigurnost igračka – 3. dio: Otpuštanje određenih elemenata (EN 71-3:2019)
Safety of toys – Part 3: Migration of certain elements (EN 71-3:2019)

HZN/TO 207, Upravljanje okolišem

HRN EN ISO 14064-2:2019 en pr
Staklenički plinovi – 2. dio: Specifikacija sa smjericama na razini projekta za kvantificiranje, praćenje i izvješćivanje o smanjivanju emisija ili povećanju uklanjanja stakleničkih plinova (ISO 14064-2:2019; EN ISO 14064-2:2019)
Greenhouse gases – Part 2: Specification with guidance at the project level for quantification, monitoring and reporting of greenhouse gas emission reductions or removal enhancements (ISO 14064-2:2019; EN ISO 14064-2:2019)

HRN EN ISO 14064-3:2019 en pr
Staklenički plinovi – 3. dio: Specifikacija sa smjericama za verifikaciju i validaciju izvjava o stakleničkim plinovima (ISO 14064-3:2019; EN ISO 14064-3:2019)
Greenhouse gases – Part 3: Specification with guidance for the verification and validation of greenhouse gas statements (ISO 14064-3:2019; EN ISO 14064-3:2019)

HZN/TO 215, Medicinska informatika

HRN EN ISO 11073-10425:2019 en pr
Medicinska informatika – Povezivost osobnoga medicinskog uređaja – 10425. dio: Namjena uređaja – Uređaj za kontinuirano praćenje koncentracije glukoze u krvi (ISO/IEEE 11073-10425:2019; EN ISO 11073-10425:2019)
Health informatics – Personal health device communication – Part 10425: Device specialization – Continuous glucose monitor (CGM) (ISO/IEEE 11073-10425:2019; EN ISO 11073-10425:2019)

HZN/TO 502, Plinski uređaji

HRN EN 484:2019 en pr
Specifikacija za uređaje na ukapljeni naftni plin – Samostalni uređaji za kuhanje, uključujući one s roštiljem, za primjenu na otvorenom (EN 484:2019)
Specification for dedicated liquefied petroleum gas appliances – Independent stoves, including those incorporating a grill for outdoor use (EN 484:2019)

HRN EN 521:2019 en pr
Specifikacije za uređaje na ukapljeni naftni plin – Prenosivi uređaji koji rade s tlakom plinovite faze ukapljenog naftnog plina (EN 521:2019)
Specifications for dedicated liquefied petroleum gas appliances – Portable vapour pressure liquefied petroleum gas appliances (EN 521:2019)

HZN/TO 503, Metalni materijali

HRN EN ISO 2376:2019 en pr
Anodizacija aluminija i aluminijskih legura – Određivanje probojnog i otpornog napona (ISO 2376:2019; EN ISO 2376:2019)
Anodizing of aluminium and its alloys – Determination of breakdown voltage and withstand voltage (ISO 2376:2019; EN ISO 2376:2019)

HRN EN 10217-1:2019 en pr
Zavarene čelične cijevi za tlačne namjene – Tehnički uvjeti isporuke – 1. dio: Elektroavarene cijevi i elektrolučno pod praškom zavarene cijevi od nelegiranih čelika s utvrđenim svojstvima pri sobnoj temperaturi (EN 10217-1:2019)
Welded steel tubes for pressure purposes – Technical delivery conditions – Part 1: Electric welded and submerged arc welded non-alloy steel tubes with specified room temperature properties (EN 10217-1:2019)

HRN EN 10217-2:2019 en pr
Zavarene čelične cijevi za tlačne namjene – Tehnički uvjeti isporuke – 2. dio: Elektrozavarene cijevi od nelegiranih i legiranih čelika s utvrđenim svojstvima pri povišenim temperaturama (EN 10217-2:2019)
Welded steel tubes for pressure purposes – Technical delivery conditions – Part 2: Electric welded non-alloy and alloy steel tubes with specified elevated temperature properties (EN 10217-2:2019)

HRN EN 10217-3:2019 en pr
Zavarene čelične cijevi za tlačne namjene – Tehnički uvjeti isporuke – 3. dio: Elektrozavarene cijevi i elektrolučno pod praškom zavarene cijevi od legiranih sitnozrnatih čelika s utvrđenim svojstvima pri sobnoj temperaturi i pri povišenim i niskim temperaturama (EN 10217-3:2019)
Welded steel tubes for pressure purposes – Technical delivery conditions – Part 3: Electric welded and submerged arc welded alloy fine grain steel tubes with specified room, elevated and low temperature properties (EN 10217-3:2019)

HRN EN 10217-4:2019 en pr
Zavarene čelične cijevi za tlačne namjene – Tehnički uvjeti isporuke – 4. dio: Elektrozavarene cijevi od nelegiranih čelika s utvrđenim svojstvima pri niskim temperaturama (EN 10217-4:2019)
Welded steel tubes for pressure purposes – Technical delivery conditions – Part 4: Electric welded non-alloy steel tubes with specified low temperature properties (EN 10217-4:2019)

HRN EN 10217-5:2019 en pr
Zavarene čelične cijevi za tlačne namjene – Tehnički uvjeti isporuke – 5. dio: Elektrolučno pod praškom zavarene cijevi od nelegiranih i legiranih čelika s utvrđenim svojstvima pri povišenim temperaturama (EN 10217-5:2019)
Welded steel tubes for pressure purposes – Technical delivery conditions – Part 5: Submerged arc welded non-alloy and alloy steel tubes with specified elevated temperature properties (EN 10217-5:2019)

HRN EN 10217-6:2019 en pr
Zavarene čelične cijevi za tlačne namjene – Tehnički uvjeti isporuke – 6. dio: Elektrolučno pod praškom zavarene cijevi od nelegiranih čelika s utvrđenim svojstvima pri niskim temperaturama (EN 10217-6:2019)
Welded steel tubes for pressure purposes – Technical delivery conditions – Part 6: Submerged arc welded non-alloy steel tubes with specified low temperature properties (EN 10217-6:2019)

HZN/TO 504, Korozija i zaštita metala i legura

HRN EN ISO 8289-2:2019 en pr
Staklasti i porculanski emajli – Niskonaponsko ispitivanje za otkrivanje i određivanje mjesta nepravilnosti – 2. dio: Ispitivanje profiliranih površina tixotropnom smjesom (ISO 8289-2:2019; EN ISO 8289-2:2019)
Vitreous and porcelain enamels – Low-voltage test for detecting and locating defects – Part 2: Slurry test for profile surfaces (ISO 8289-2:2019; EN ISO 8289-2:2019)

HRN EN ISO 11177:2019 en pr
Staklasti i porculanski emajli – Unutrašnji i vanjski emajlirani ventili i oprema za cijevi pod tlakom za opskrbu netretirane i pitke vode – Zahtjevi za kvalitetu i ispitivanje (ISO 11177:2019; EN ISO 11177:2019)
Vitreous and porcelain enamels – Inside and outside enamelled valves and pressure pipe fittings for untreated and potable water supply – Quality requirements and testing (ISO 11177:2019; EN ISO 11177:2019)

HZN/TO 515, Žičare, uspinjače i vučnice

HRN EN 1709:2019 en pr
Sigurnosni zahtjevi za žičare za prijevoz osoba – Pregledi prije preuzimanja i upute za održavanje i preglede u tijeku uporabe (EN 1709:2019)
Safety requirements for cableway installations designed to transport persons – Precommissioning inspection and instructions for maintenance and operational inspection and checks (EN 1709:2019)

HZN/TO 524, Inteligentni transportni sustavi

HRN EN ISO 14816:2008/A1:2019 en pr
Cestovni prijevoz i prometna telematika – Automatska identifikacija vozila i opreme – Brojčano označavanje i struktura podataka (ISO 14816:2005/Amd 1:2019; EN ISO 14816:2005/A1:2019)
Road transport and traffic telematics – Automatic vehicle and equipment identification – Numbering and data structure (ISO 14816:2005/Amd 1:2019; EN ISO 14816:2005/A1:2019)

HZN/TO 528, Oprema za željeznice

HRN EN 15610:2019 en pr
Željeznički sustav – Akustika – Mjerenje hrapavosti tračnica i kotača u vezi stvaranja buke (EN 15610:2019)
Railway applications – Acoustics – Rail and wheel roughness measurement related to noise generation (EN 15610:2019)

HRN EN 15654-2:2019 en pr
Željeznički sustav – Mjerenje vertikalnih sila na kotačima i osovinskim sklopovima – 2. dio: Radioničko ispitivanje novih, modificiranih i održavanih vozila (EN 15654-2:2019)
Railway applications – Measurement of vertical forces on wheels and wheelsets – Part 2: Test in workshop for new, modified and maintained vehicles (EN 15654-2:2019)

HRN EN 16834:2019 en pr
Željeznički sustav – Kočenje – Učinkovitost kočenja (EN 16834:2019)
Railway applications – Braking – Brake performance (EN 16834:2019)

HRN EN 17069-1:2019 en pr
Željeznički sustav – Sustavi i postupci za promjenu širine kolosijeka – 1. dio: Sustavi automatske promjene širine kolosijeka (EN 17069-1:2019)
Railway applications – Systems and procedures for change of track gauge – Part 1: Automatic Variable Gauge Systems (EN 17069-1:2019)

HZN/TO 531, Plastika i guma

HRN EN ISO 846:2019 en pr
Plastika – Procjena djelovanja mikroorganizama (ISO 846:2019; EN ISO 846:2019)
Plastics – Evaluation of the action of microorganisms (ISO 846:2019; EN ISO 846:2019)

HRN EN ISO 1183-1:2019 en pr
Plastika – Metode određivanja gustoće nepjenaste plastike – 1. dio: Metoda uranjanja, metoda uporabom piknometra za tekućine i titracijska metoda (ISO 1183-1:2019; EN ISO 1183-1:2019)
Plastics – Methods for determining the density of non-cellular plastics – Part 1: Immersion method, liquid pycnometer method and titration method (ISO 1183-1:2019; EN ISO 1183-1:2019)

HRN EN ISO 1183-2:2019 en pr
Plastika – Metode određivanja gustoće nepjenaste plastike – 2. dio: Metoda za određivanje gustoće pomoću kolone s gradijentom gustoće (ISO 1183-2:2019; EN ISO 1183-2:2019)
Plastics – Methods for determining the density of non-cellular plastics – Part 2: Density gradient column method (ISO 1183-2:2019; EN ISO 1183-2:2019)

HRN EN ISO 14851:2019 en pr
Određivanje konačne aerobne biorazgradljivosti plastičnih materijala u vodenom mediju – Metoda mjerenja potrebnog kisika u zatvorenom respirometru (ISO 14851:2019; EN ISO 14851:2019)
Determination of the ultimate aerobic biodegradability of plastic materials in an aqueous medium – Method by measuring the oxygen demand in a closed respirometer (ISO 14851:2019; EN ISO 14851:2019)

HRN EN ISO 15023-2:2019 en pr
Plastika – Poli(vinil-alkoholni) (PVAL) materijali – 2. dio: Određivanje svojstava (ISO 15023-2:2019; EN ISO 15023-2:2019)
Plastics – Poly(vinyl alcohol) (PVAL) materials – Part 2: Determination of properties (ISO 15023-2:2019; EN ISO 15023-2:2019)

HRN EN ISO 21304-1:2019 en pr
Plastika – Polietilenski materijali posebno visoke molekularne mase (PE-UHMW) za kalupljenje i ekstrudiranje – 1. dio: Sustav označavanja i osnove za specifikacije (ISO 21304-1:2019; EN ISO 21304-1:2019)
Plastics – Ultra-high-molecular-weight polyethylene (PE-UHMW) moulding and extrusion materials – Part 1: Designation system and basis for specifications (ISO 21304-1:2019; EN ISO 21304-1:2019)

HRN EN ISO 21306-1:2019 en pr
Plastika – Neomekšani poli(vinil-kloridni) (PVC-U) materijali za kalupljenje i ekstruziju – 1. dio: Sustav označavanja i osnove za specifikacije (ISO 21306-1:2019; EN ISO 21306-1:2019)
Plastics – Unplasticized poly(vinyl chloride) (PVC-U) moulding and extrusion materials – Part 1: Designation system and basis for specifications (ISO 21306-1:2019; EN ISO 21306-1:2019)

HRN EN ISO 21306-2:2019 en pr
Plastika – Neomekšani poli(vinil-kloridni) (PVC-U) materijali za kalupljenje i ekstruziju – 2. dio: Priprema ispitaka i određivanje svojstava (ISO 21306-2:2019; EN ISO 21306-2:2019)
Plastics – Unplasticized poly(vinyl chloride) (PVC-U) moulding and extrusion materials – Part 2: Preparation of test specimens and determination of properties (ISO 21306-2:2019; EN ISO 21306-2:2019)

HZN/TO 534, Spremnici za teret

HRN EN ISO 23208:2019 en pr
Kriogenične posude – Čistoća površina posuda za kriogenične uvjete (ISO 23208:2017; EN ISO 23208:2019)
Cryogenic vessels – Cleanliness for cryogenic service (ISO 23208:2017; EN ISO 23208:2019)

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

HRN EN 1822-1:2019 en pr
Visokoučinkoviti zračni filtri (EPA, HEPA i ULPA) – 1. dio: Razredba, ispitivanje značajka, označavanje (EN 1822-1:2019)
High efficiency air filters (EPA, HEPA and ULPA) – Part 1: Classification, performance testing, marking (EN 1822-1:2019)

HRN EN 13941-1:2019 en pr
Cijevi za daljinsko grijanje – Projektiranje i montaža toplinski izoliranih cijevnih sustava s jednom ili dvije cijevi za ukopane vrelovodne mreže – 1. dio: Projektiranje (EN 13941-1:2019)
District heating pipes – Design and installation of thermal insulated bonded single and twin pipe systems for directly buried hot water networks – Part 1: Design (EN 13941-1:2019)

HRN EN 13941-2:2019 en pr
Cijevi za daljinsko grijanje – Projektiranje i montaža toplinski izoliranih cijevnih sustava s jednom ili dvije cijevi za ukopane vrelovodne mreže – 2. dio: Montaža (EN 13941-2:2019)
District heating pipes – Design and installation of thermal insulated bonded single and twin pipe systems for directly buried hot water networks – Part 2: Installation (EN 13941-2:2019)

HRN EN 16798-1:2019 en pr
Energjska svojstva zgrada – Ventilacija u zgradama – 1. dio: Ulazni mikroklimatski parametri za projektiranje i procjenu energjske učinkovitosti zgrada koji se odnose na kvalitetu zraka, toplinsko okruženje, rasvjetu i akustiku – Modul M1-6 (EN 16798-1:2019)
Energy performance of buildings – Ventilation for buildings – Part 1: Indoor environmental input parameters for design and assessment of energy performance of buildings addressing indoor air quality, thermal environment, lighting and acoustics – Module M1-6 (EN 16798-1:2019)

HRI CEN/TR 16798-2:2019 en pr
Energjska svojstva zgrada – Ventilacija u zgradama – 2. dio: Tumačenje zahtjeva u normi EN 16798-1 – Ulazni mikroklimatski parametri za projektiranje i procjenu energjske učinkovitosti zgrada koji se odnose na kvalitetu zraka, toplinsko okruženje, rasvjetu i akustiku (Modul M1-6) (CEN/TR 16798-2:2019)
Energy performance of buildings – Ventilation for buildings – Part 2: Interpretation of the requirements in EN 16798-1 – Indoor environmental input parameters for design and assessment of energy performance of buildings addressing indoor air quality, thermal environment, lighting and acoustics (Module M1-6) (CEN/TR 16798-2:2019)

HRS CEN ISO/TS 21083-2:2019 en pr
Metode ispitivanja učinkovitosti medija za filtriranje kuglastih nanočestica iz zraka – 2. dio: Raspon veličine čestica od 3 nm do 30 nm (ISO/TS 21083-2:2019; CEN ISO/TS 21083-2:2019)
Test method to measure the efficiency of air filtration media against spherical nanomaterials – Part 2: Size range from 3 nm to 30 nm (ISO/TS 21083-2:2019; CEN ISO/TS 21083-2:2019)

HZN/TO 555, Medicinski proizvodi

HRN EN ISO 11138-7:2019 en pr
Sterilizacija medicinskih proizvoda – Biološki indikatori – 7. dio: Upute za odabir, uporabu i interpretaciju rezultata (ISO 11138-7:2019; EN ISO 11138-7:2019)
Sterilization of health care products – Biological indicators – Part 7: Guidance for the selection, use and interpretation of results (ISO 11138-7:2019; EN ISO 11138-7:2019)

HZN/TO 556, Osobna zaštitna oprema

HRN EN ISO 22568-1:2019 en pr
Štitnici stopala i nogu – Zahtjevi i metode ispitivanja za procjenu dijelova obuće – 1. dio: Metalne kapice (ISO 22568-1:2019; EN ISO 22568-1:2019)
Foot and leg protectors – Requirements and test methods for footwear components – Part 1: Metallic toecaps (ISO 22568-1:2019; EN ISO 22568-1:2019)

HRN EN ISO 22568-2:2019 en pr
Štitnici stopala i nogu – Zahtjevi i metode ispitivanja za procjenu dijelova obuće – 2. dio: Nemetalne kapice (ISO 22568-2:2019; EN ISO 22568-2:2019)
Foot and leg protectors – Requirements and test methods for footwear components – Part 2: Non-metallic toecaps (ISO 22568-2:2019; EN ISO 22568-2:2019)

HRN EN ISO 22568-3:2019 en pr
Štitnici stopala i nogu – Zahtjevi i metode ispitivanja za procjenu dijelova obuće – 3. dio: Metalni neprobodni uložak (ISO 22568-3:2019; EN ISO 22568-3:2019)
Foot and leg protectors – Requirements and test methods for footwear components – Part 3: Metallic perforation resistant inserts (ISO 22568-3:2019; EN ISO 22568-3:2019)

HRN EN ISO 22568-4:2019 en pr
Štitnici stopala i nogu – Zahtjevi i metode ispitivanja za procjenu dijelova obuće – 4. dio: Nemetalni uložak otporan na proboj (ISO 22568-4:2019; EN ISO 22568-4:2019)
Foot and leg protectors – Requirements and test methods for footwear components – Part 4: Non-metallic perforation resistant inserts (ISO 22568-4:2019; EN ISO 22568-4:2019)

HZN/TO 559, Zaporni, regulacijski i sigurnosni uređaji

HRN EN ISO 4126-2:2019 en pr
Sigurnosni uređaji za zaštitu od prekomjernog tlaka – 2. dio: Sigurnosni uređaji temeljeni na membranskom disku (ISO 4126-2:2018; EN ISO 4126-2:2019)
Safety devices for protection against excessive pressure – Part 2: Bursting disc safety devices (ISO 4126-2:2018; EN ISO 4126-2:2019)

HZN/TO 560, Tekstilni proizvodi

HRN EN ISO 9092:2019 en pr
Netkani tekstil – Terminološki rječnik (ISO 9092:2019; EN ISO 9092:2019)
Nonwovens – Vocabulary (ISO 9092:2019; EN ISO 9092:2019)

HRI CEN/TR 17222:2019 en pr
Tekstilni proizvodi i nanotehnologije – Smjernice za ispitivanja koja simuliraju otpuštanje nano čestica – Izloženost koži (CEN/TR 17222:2019)
Textile products and nanotechnologies – Guidance on tests to simulate nanoparticle release – Skin exposure (CEN/TR 17222:2019)

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

HRN EN 13175:2019 en pr
Oprema i pribor za UNP – Specifikacija i ispitivanje ventila i spojnika posuda pod tlakom za ukapljeni naftni plin (UNP) (EN 13175:2019)
LPG Equipment and accessories – Specification and testing for Liquefied Petroleum Gas (LPG) pressure vessel valves and fittings (EN 13175:2019)

HRN EN 13445-3:2014/A7:2019 en pr
Neložene tlačne posude – 3. dio: Projektiranje
(EN 13445-3:2014/A7:2019)
Unfired pressure vessels – Part 3: Design
(EN 13445-3:2014/A7:2019)

HRN EN 13445-3:2014/A8:2019 en pr
Neložene tlačne posude – 3. dio: Projektiranje
(EN 13445-3:2014/A8:2019)
Unfired pressure vessels – Part 3: Design
(EN 13445-3:2014/A8:2019)

HRN EN 13480-1:2017/A1:2019 en pr
Metalni industrijski cjevovodi – 1. dio: Općenito
(EN 13480-1:2017/A1:2019)
Metallic industrial piping – Part 1: General
(EN 13480-1:2017/A1:2019)

HRN EN 13480-6:2017/A1:2019 en pr
Metalni industrijski cjevovodi – 6. dio: Dodatni zahtjevi za ukopane cjevovode (EN 13480-6:2017/A1:2019)
Metallic industrial piping – Part 6: Additional requirements for buried piping (EN 13480-6:2017/A1:2019)

HRN EN 14071:2019 en pr
Oprema i pribor za UNP – Sigurnosni ventili za posude pod tlakom za UNP – Pomoćna oprema (EN 14071:2015+A1:2019)
LPG equipment and accessories – Pressure relief valves for LPG pressure vessels – Ancillary equipment (EN 14071:2015+A1:2019)

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

HRN EN 17203:2019 en pr
Hrana – Određivanje citrinita u hrani tekućinskom kromatografijom i tandemskom spektrometrijom masa (LC-MS/MS) (EN 17203:2018)
Foodstuffs – Determination of citrinin in food by liquid chromatography tandem mass spectrometry (LC-MS/MS) (EN 17203:2018)

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

HRN EN 14974:2019 en pr
Skate parkovi – Sigurnosni zahtjevi i metode ispitivanja (EN 14974:2019)
Skateparks – Safety requirements and test methods (EN 14974:2019)

HZN/TO E2, Rotacijski strojevi

HRN EN IEC 60034-23:2019 en pr
Rotacijski električni strojevi – 23. dio: Popravak, obnova i pregradnja (IEC 60034-23:2019; EN IEC 60034-23:2019)
Rotating electrical machines – Part 23: Repair, overhaul and reclamation (IEC 60034-23:2019; EN IEC 60034-23:2019)

HZN/TO E8, Sustavski vidovi opskrbe električnom energijom

HRN EN 50549-1:2019/Ispr.1:2019 en pr
Zahtjevi za priključak elektrane na distribucijsku mrežu – 1. dio: Priključak na niskonaponsku distribucijsku mrežu – Elektrane do uključivo tipa B (EN 50549-1:2019/AC:2019)
Requirements for generating plants to be connected in parallel with distribution networks – Part 1: Connection to a LV distribution network – Generating plants up to and including Type B (EN 50549-1:2019/AC:2019)

HZN/TO E9, Električna oprema za željeznicu

HRN EN 50121-3-1:2017/A1:2019 en pr
Željeznički sustav – Elektromagnetska kompatibilnost – Dio 3-1: Željeznička vozila – Vlak i cijelo vozilo (EN 50121-3-1:2017/A1:2019)
Railway applications – Electromagnetic compatibility – Part 3-1: Rolling stock – Train and complete vehicle (EN 50121-3-1:2017/A1:2019)

HRN EN 50121-3-2:2017/A1:2019 en pr
Željeznički sustav – Elektromagnetska kompatibilnost – Dio 3-2: Željeznička vozila – Uređaji (EN 50121-3-2:2016/A1:2019)
Railway applications – Electromagnetic compatibility – Part 3-2: Rolling stock – Apparatus (EN 50121-3-2:2016/A1:2019)

HRN EN 50121-4:2017/A1:2019 en pr
Željeznički sustav – Elektromagnetska kompatibilnost – 4. dio: Emisija i otpornost signalnih i telekomunikacijskih uređaja (EN 50121-4:2016/A1:2019)
Railway applications – Electromagnetic compatibility – Part 4: Emission and immunity of the signalling and telecommunications apparatus (EN 50121-4:2016/A1:2019)

HRN EN 50121-5:2017/A1:2019 en pr
Željeznički sustav – Elektromagnetska kompatibilnost – 5. dio: Emisija i otpornost stabilnih postrojenja i uređaja za napajanje (EN 50121-5:2017/A1:2019)
Railway applications – Electromagnetic compatibility – Part 5: Emission and immunity of fixed power supply installations and apparatus (EN 50121-5:2017/A1:2019)

HRN EN 50129:2018/Ispr.1:2019 en pr
Željeznički sustav – Komunikacijska i signalna tehnika i sustavi obrade podataka – Elektronički sustavi za signalnu tehniku povezani sa sigurnošću (EN 50129:2018/AC:2019)
Railway applications – Communication, signalling and processing systems – Safety related electronic systems for signalling (EN 50129:2018/AC:2019)

HZN/TO E14, Energetski transformatori

HRN EN IEC 60076-22-1:2019 en pr
Energetski transformatori – Dio 22-1: Oprema za energetske transformatore i prigušnice – Zaštitni uređaji (IEC 60076-22-1:2019; EN IEC 60076-22-1:2019)
Power transformers – Part 22-1: Power transformer and reactor fittings – Protective devices (IEC 60076-22-1:2019; EN IEC 60076-22-1:2019)

HRN EN IEC 60076-22-3:2019 en pr
Energetski transformatori – Dio 22-3: Oprema za energetske transformatore i prigušnice – Izmjenjivači topline između izolacijske tekućine i zraka (IEC 60076-22-3:2019; EN IEC 60076-22-3:2019)
Power transformers – Part 22-3: Power transformer and reactor fittings – Insulating liquid to air heat exchangers (IEC 60076-22-3:2019; EN IEC 60076-22-3:2019)

HRN EN IEC 60076-22-4:2019 en pr
Energetski transformatori – Dio 22-4: Oprema za energetske transformatore i prigušnice – Izmjenjivači topline između izolacijske tekućine i vode (IEC 60076-22-4:2019; EN IEC 60076-22-4:2019)
Power transformers – Part 22-4: Power transformer and reactor fittings – Insulating liquid to water heat exchangers (IEC 60076-22-4:2019; EN IEC 60076-22-4:2019)

HZN/TO E15, Čvrsti elektrotehnički izolacijski materijali

HRN EN 60674-2:2017/A1:2019 en pr
Specifikacija za plastične folije za elektrotehničke svrhe – 2. dio: Metode ispitivanja (IEC 60674-2:2016/am1:2019; EN 60674-2:2017/A1:2019)
Specification for plastic films for electrical purposes – Part 2: Methods of test (IEC 60674-2:2016/am1:2019; EN 60674-2:2017/A1:2019)

HZN/TO E17, Sklopni i upravljački uređaji

HRN EN IEC 60947-4-1:2019 en pr
Niskonaponska sklopna aparatura – Dio 4-1: Sklopnici i motorni pokretači – Elektromehanički sklopnici i motorni pokretači (IEC 60947-4-1:2018; EN IEC 60947-4-1:2019)
Low-voltage switchgear and controlgear – Part 4-1: Contactors and motor-starters – Electromechanical contactors and motor-starters (IEC 60947-4-1:2018; EN IEC 60947-4-1:2019)

HRN EN 61439-3:2012/Ispr.1:2019 en pr
Niskonaponski sklopni blokovi – 3. dio: Razvodni blokovi namijenjeni za upravljanje i od nestručnih osoba (IEC 61439-3:2012/Corr.2:2019; EN 61439-3:2012/AC:2019)
Low-voltage switchgear and controlgear assemblies – Part 3: Distribution boards intended to be operated by ordinary persons (DBO) (IEC 61439-3:2012/Corr.2:2019; EN 61439-3:2012/AC:2019)

HRN EN IEC 62271-209:2019 en pr
Visokonaponska sklopna aparatura – 209. dio: Kabelski spojevi za plinom izolirane, metalom oklopljene sklopne blokove za nazivne napone iznad 52 kV – Kabelski završeci ispunjeni tekućim medijem i kabelski završeci suhog tipa (IEC 62271-209:2019; EN IEC 62271-209:2019)
High-voltage switchgear and controlgear – Part 209: Cable connections for gas-insulated metal-enclosed switchgear for rated voltages above 52 kV – Fluid-filled and extruded insulation cables – Fluid-filled and dry-type cable-terminations (IEC 62271-209:2019; EN IEC 62271-209:2019)

HZN/TO E20, Električni kabeli

HRN HD 629-1-S3:2019 en pr
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 (HD 629-1-S3:2019)
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 (HD 629-1-S3:2019)

HRN EN 50620:2017/A1:2019 en pr
Električni kabeli – Kabeli za punjenje električnih vozila (EN 50620:2017/A1:2019)
Electric cables – Charging cables for electric vehicles (EN 50620:2017/A1:2019)

HZN/TO E22, Energetska elektronika

HRN EN 62747:2015/A1:2019 en pr
Nazivlje za pretvarače s naponskim ulazom (VSC) za visokonaponske sustave istosmjerne struje (HVDC) (IEC 62747:2014/am1:2019; EN 62747:2014/A1:2019)
Terminology for voltage-sourced converters (VSC) for high-voltage direct current (HVDC) systems (IEC 62747:2014/am1:2019; EN 62747:2014/A1:2019)

HRN EN IEC 62909-2:2019 en pr
Energetski pretvarači spojeni na dvosmjerne mreže – Sučelje energetskog pretvarača spojenog na mrežu i raspodijeljenih izvora energije (IEC 62909-2:2019; EN IEC 62909-2:2019)
Bi-directional grid-connected power converters – Part 2: Interface of GPC and distributed energy resources (IEC 62909-2:2019; EN IEC 62909-2:2019)

HZN/TO E31, Eksplozivne atmosfere

HRN EN IEC 60079-15:2019 en pr
Eksplozivne atmosfere – 15. dio: Vrsta zaštite opreme zaštita "n" (IEC 60079-15:2017; EN IEC 60079-15:2019)
Explosive atmospheres – Part 15: Equipment protection by type of protection "n" (IEC 60079-15:2017; EN IEC 60079-15:2019)

HZN/TO E34, Žarulje, svjetiljke i pripadna oprema

HRN EN 60061-1:2008/A58:2018/Ispr.1:2019 en pr
Podnošci i grla za žarulje, granična mjerila za kontrolu zamjenjivosti i sigurnosti – 1. dio: Podnošci za žarulje (IEC 60061-1:1969/A58:2018/Corr.1:2019; EN 60061-1:1993/A58:2018/AC:2019)
Lamp caps and holders together with gauges for the control of interchangeability and safety – Part 1: Lamps Caps (IEC 60061-1:1969/A58:2018/Corr.1:2019; EN 60061-1:1993/A58:2018/AC:2019)

HRN EN 62717:2017/A2:2019 en pr
Moduli svjetlećih dioda za opću rasvjetu – Izvedbeni zahtjevi (IEC 62717:2014/am2:2019; EN 62717:2017/A2:2019)
LED modules for general lighting – Performance requirements (IEC 62717:2014/am2:2019; EN 62717:2017/A2:2019)

HZN/TO E37, Odvodnici prenapona

HRN EN 61643-31:2019 en pr
Prenaponske zaštitne naprave za niski napon – 31. dio: Zahtjevi i metode ispitivanja za prenaponske zaštitne naprave za fotonaponske instalacije (IEC 61643-31:2018, MOD; EN 61643-31:2019)
Low-voltage surge protective devices – Part 31: Requirements and test methods for SPDs for photovoltaic installations (IEC 61643-31:2018, MOD; EN 61643-31:2019)

HZN/TO E57, Upravljanje energetskim sustavom i pridružene komunikacije

HRN EN IEC 61968-4:2019 en pr
Integracija aplikacija u elektroprivredi – Sučelja za sustave upravljanja u distribuciji – 4. dio: Sučelja za zapise i za sustav za upravljanje imovinom (IEC 61968-4:2019; EN IEC 61968-4:2019)
Application integration at electric utilities – System interfaces for distribution management – Part 4: Interfaces for records and asset management (IEC 61968-4:2019; EN IEC 61968-4:2019)

HZN/TO E64, Električne instalacije i zaštita od električnog udara

HRN HD 60364-7-709:2010/A12:2019 en pr
Niskonaponske električne instalacije – Dio 7-709: Zahtjevi za posebne instalacije ili prostore – Luke, marine i slični prostori – Posebni zahtjevi za opskrbu brodova s obale (HD 60364-7-709:2009/A12:2019)
Low-voltage electrical installations – Part 7-709: Requirements for special installations or locations – Harbours, marinas and similar locations – Special requirements for shore supply to ships (HD 60364-7-709:2009/A12:2019)

HRN HD 60364-7-711:2019 en pr
Niskonaponske električne instalacije – Dio 7-711: Zahtjevi za posebne instalacije ili prostore – Izložbe, predstave i štandovi (IEC 60364-7-711:2018; HD 60364-7-711:2019)
Low voltage electrical installation – Part 7-711: Requirements for special installations or locations – Exhibitions, shows and stands (IEC 60364-7-711:2018; HD 60364-7-711:2019)

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

HRN EN IEC 60534-3-1:2019 en pr
Regulacijski ventili za industrijske procese – Dio 3-1: Dimenzije – Dimenzije sučelja dvopoložajnih, kuglastih, ravnih regulacijskih (upravljačkih) ventila s prirubnicom i dimenzije od središta prema površini dvopoložajnih, kuglastih kutnih regulacijskih (upravljačkih) ventila s prirubnicom (IEC 60534-3-1:2019; EN IEC 60534-3-1:2019)
Industrial-process control valves – Part 3-1: Dimensions – Face-to-face dimensions for flanged, two-way, globe-type, straight pattern and centre-to-face dimensions for flanged, two-way, globe-type, angle pattern control valves (IEC 60534-3-1:2019; EN IEC 60534-3-1:2019)

HRN EN IEC 62443-2-4:2019 en pr
Sigurnost u sustavima industrijske automatizacije i upravljanja – Dio 2-4: Sigurnosni programski zahtjevi za IACS davatelje usluga (IEC 62443-2-4:2015; EN IEC 62443-2-4:2019)
Security for industrial automation and control systems – Part 2-4: Security program requirements for IACS service providers (IEC 62443-2-4:2015; EN IEC 62443-2-4:2019)

HRN EN IEC 62443-2-4:2019/A1:2019 en pr
Sigurnost u sustavima industrijske automatizacije i upravljanja – Dio 2-4: Sigurnosni programski zahtjevi za IACS davatelje usluga (IEC 62443-2-4:2015/am1:2017; EN IEC 62443-2-4:2019/A1:2019)
Security for industrial automation and control systems – Part 2-4: Security program requirements for IACS service providers (IEC 62443-2-4:2015/am1:2017; EN IEC 62443-2-4:2019/A1:2019)

HRN EN IEC 62443-3-3:2019 en pr
Industrijske komunikacijske mreže – Mrežna sigurnost i sigurnost sustava – Dio 3-3: Sigurnosni zahtjevi za sustav i razine sigurnosti (IEC 62443-3-3:2013; EN IEC 62443-3-3:2019)
Industrial communication networks – Network and system security – Part 3-3: System security requirements and security levels (IEC 62443-3-3:2013; EN IEC 62443-3-3:2019)

HRN EN IEC 62443-4-2:2019 en pr
Sigurnost u sustavima industrijske automatizacije i upravljanja – Dio 4-2: Tehnički sigurnosni zahtjevi za komponente sustava industrijske automatizacije i upravljanja (IEC 62443-4-2:2019; EN IEC 62443-4-2:2019)
Security for industrial automation and control systems – Part 4-2: Technical security requirements for IACS components (IEC 62443-4-2:2019; EN IEC 62443-4-2:2019)

HZN/TO E72, Naprave za automatsko upravljanje u kućanstvu

HRN EN 60730-1:2016/A1:2019 en pr
Električne naprave za automatsko upravljanje – 1. dio: Opći zahtjevi (IEC 60730-1:2013/am1:2015; EN 60730-1:2016/A1:2019)
Automatic electrical controls – Part 1: General requirements (IEC 60730-1:2013/am1:2015; EN 60730-1:2016/A1:2019)

HRN EN IEC 60730-2-12:2019 en pr
Električne naprave za automatsko upravljanje – Dio 2-12: Posebni zahtjevi za električne brave na vratima (IEC 60730-2-12:2015; EN IEC 60730-2-12:2019)
Automatic electrical controls – Part 2-12: Particular requirements for electrically operated door locks (IEC 60730-2-12:2015; EN IEC 60730-2-12:2019)

HRN EN IEC 60730-2-15:2019 en pr
Električne naprave za automatsko upravljanje – Dio 2-15: Posebni zahtjevi za automatske električne regulatore protoka zraka, protoka vode i očitavanja razine vode (IEC 60730-2-15:2017; EN IEC 60730-2-15:2019)
Automatic electrical controls – Part 2-15: Particular requirements for automatic electrical air flow, water flow and water level sensing controls (IEC 60730-2-15:2017; EN IEC 60730-2-15:2019)

HRN EN 60730-2-5:2015/A1:2019 en pr
Električne naprave za automatsko upravljanje – Dio 2-5: Posebni zahtjevi za električne automatske upravljačke sustave plamenika (IEC 60730-2-5:2013/am1:2017; EN 60730-2-5:2015/A1:2019)
Automatic electrical controls – Part 2-5: Particular requirements for automatic electrical burner control systems (IEC 60730-2-5:2013/am1:2017; EN 60730-2-5:2015/A1:2019)

HZN/TO E76, Sigurnost optičkoga zračenja i laserska oprema

HRN EN IEC 60825-12:2019 en pr
Sigurnost laserskih proizvoda – 12. dio: Sigurnost optičkih komunikacijskih sustava koji se upotrebljavaju za prijenos informacija u otvorenome prostoru (IEC 60825-12:2019; EN IEC 60825-12:2019)
Safety of laser products – Part 12: Safety of free space optical communication systems used for transmission of information (IEC 60825-12:2019; EN IEC 60825-12:2019)

HZN/TO E79, Alarmni sustavi

HRN EN 50131-4:2019 en pr
Alarmni sustavi – Protuprovalni i protuprovalni sustavi – 4. dio: Uređaji za upozorenje (EN 50131-4:2019)
Alarm systems – Intrusion and hold-up systems – Part 4: Warning devices (EN 50131-4:2019)

HZN/TO E88, Vjetroagregati

HRN EN IEC 61400-1:2019 en pr
Sustavi za proizvodnju energije iz vjetra – 1. dio: Zahtjevi za projektiranje (IEC 61400-1:2019; EN IEC 61400-1:2019)
Wind energy generation systems – Part 1: Design requirements (IEC 61400-1:2019; EN IEC 61400-1:2019)

HZN/TO E95, Mjerni releji i zaštitna oprema

HRN EN IEC 60255-181:2019 en pr
Mjerni releji i zaštitna oprema – 181. dio: Funkcionalni zahtjevi za frekvencijsku zaštitu (IEC 60255-181:2019; EN IEC 60255-181:2019)
Measuring relays and protection equipment – Part 181: Functional requirements for frequency protection (IEC 60255-181:2019; EN IEC 60255-181:2019)

HZN/TO T4, Normizacija u telekomunikacijama

HRN EN 300 132-2 V2.6.1:2019 en pr
Tehnologija za zaštitu okoliša (EE) – Sučelje za izvore napajanja na ulazu opreme informacijsko-komunikacijske tehnologije (ICT) – 2. dio: -48 V istosmjerna struja (DC) (EN 300 132-2 V2.6.1:2019)
Environmental Engineering (EE) – Power supply interface at the input of – Information and Communication Technology (ICT) equipment – Part 2: -48 V Direct Current (DC) (EN 300 132-2 V2.6.1:2019)

HRN EN 301 489-2 V2.1.1:2019 en pr
Norma za elektromagnetsku kompatibilnost (EMC) za radijsku opremu i službe – 2. dio: Posebni zahtjevi za radijsku opremu za jednosmjerno pozivanje – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.1(b) Direktive 2014/53/EU (EN 301 489-2 V2.1.1:2019)
ElectroMagnetic Compatibility (EMC) standard for radio equipment and services – Part 2: Specific conditions for radio paging equipment – Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU (EN 301 489-2 V2.1.1:2019)

HRN EN 301 489-4 V3.2.1:2019 en pr
Norma za elektromagnetsku kompatibilnost (EMC) za radijsku opremu i službe – 4. dio: Posebni uvjeti za nepokretne radijske veze i pomoćnu opremu – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.1(b) Direktive 2014/53/EU (EN 301 489-4 V3.2.1:2019)
ElectroMagnetic Compatibility (EMC) standard for radio equipment and services – Part 4: Specific conditions for fixed radio links and ancillary equipment – Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU (EN 301 489-4 V3.2.1:2019)

HRN EN 301 489-5 V2.2.1:2019 en pr
Norma za elektromagnetsku kompatibilnost (EMC) za radijsku opremu i službe – 5. dio: Posebni uvjeti za privatni kopneni pokretni radio (PMR) i pomoćnu opremu (s govorom i bez govora) i terestrijalni trunking radio (TETRA) – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.1(b) Direktive 2014/53/EU (EN 301 489-5 V2.2.1:2019)
ElectroMagnetic Compatibility (EMC) standard for radio equipment and services – Part 5: Specific conditions for Private land Mobile Radio (PMR) and ancillary equipment (speech and non-speech) and Terrestrial Trunked Radio (TETRA) – Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU (EN 301 489-5 V2.2.1:2019)

HRN EN 301 489-6 V2.2.1:2019 en pr
Norma za elektromagnetsku kompatibilnost (EMC) za radijsku opremu i službe – 6. dio: Posebni uvjeti za opremu digitalnih poboljšanih bežičnih telekomunikacija (DECT) – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.1(b) Direktive 2014/53/EU (EN 301 489-6 V2.2.1:2019)
ElectroMagnetic Compatibility (EMC) standard for radio equipment and services – Part 6: Specific conditions for Digital Enhanced Cordless Telecommunications (DECT) equipment – Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU (EN 301 489-6 V2.2.1:2019)

HRN EN 301 489-9 V2.1.1:2019 en pr
Norma za elektromagnetsku kompatibilnost (EMC) radijske opreme i službe – 9. dio: Posebni uvjeti za bežične mikrofone, sličnu radiofrekvencijsku (RF) opremu audiolinkova, bežične audio i unutar uha nadzirane uređaje – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.1(b) Direktive 2014/53/EU (EN 301 489-9 V2.1.1:2019)
ElectroMagnetic Compatibility (EMC) standard for radio equipment and services – Part 9: Specific conditions for wireless microphones, similar Radio Frequency (RF) audio link equipment, cordless audio and in-ear monitoring devices – Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU (EN 301 489-9 V2.1.1:2019)

HRN EN 301 489-12 V3.1.1:2019 en pr
Elektromagnetska kompatibilnost i radijski spektar (ERM) – Norma za elektromagnetsku kompatibilnost (EMC) za radijsku opremu i službe – 12. dio: Posebni uvjeti za terminal s vrlo malim promjerom antene (VSAT), satelitske interaktivne zemaljske postaje koje rade u frekvencijskim područjima između 4 GHz i 30 GHz u nepokretnoj satelitskoj službi (FSS) – Harmonizirana norma za elektromagnetsku kompatibilnost (EN 301 489-12 V3.1.1:2019)
Electromagnetic compatibility and Radio spectrum Matters (ERM) – ElectroMagnetic Compatibility (EMC) standard for radio equipment and services – Part 12: Specific conditions for Very Small Aperture Terminal – Satellite Interactive Earth Stations operated in the frequency ranges between 4 GHz and 30 GHz in the Fixed Satellite Service (FSS) Harmonised Standard for electromagnetic compatibility (EN 301 489-12 V3.1.1:2019)

HRN EN 301 489-15 V2.2.1:2019 en pr
Norma za elektromagnetsku kompatibilnost (EMC) za radijsku opremu i službe – 15. dio: Posebni uvjeti za komercijalno dostupnu opremu za radioamatere – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.1(b) Direktive 2014/53/EU (EN 301 489-15 V2.2.1:2019)
ElectroMagnetic Compatibility (EMC) standard for radio equipment and services – Part 15: Specific conditions for commercially available amateur radio equipment – Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU (EN 301 489-15 V2.2.1:2019)

- HRN EN 301 489-19 V2.1.1:2019 en pr
Norma za elektromagnetsku kompatibilnost (EMC) za radijsku opremu i službe – 19. dio: Posebni uvjeti samo za prijamne pokretne zemaljske postaje (ROMES) koje rade u frekvencijskom pojasu 1,5 GHz omogućavajući komunikaciju podataka i GNSS prijarnike u RNSS pojasu (ROGNSS) osiguravajući pozicioniranje, navigaciju i pravovremeno podataka – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.1(b) Direktive 2014/53/EU (EN 301 489-19 V2.1.1:2019)
ElectroMagnetic Compatibility (EMC) standard for radio equipment and services – Part 19: Specific conditions for Receive Only Mobile Earth Stations (ROMES) operating in the 1,5 GHz band providing data communications and GNSS receivers operating in the RNSS band (ROGNSS) providing positioning, navigation, and timing data – Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU (EN 301 489-19 V2.1.1:2019)
- HRN EN 301 489-20 V2.1.1:2019 en pr
Norma za elektromagnetsku kompatibilnost (EMC) za radijsku opremu i službe – 20. dio: Posebni uvjeti za pokretne zemaljske postaje (MES) koje se upotrebljavaju u pokretnim satelitskim službama (MSS) – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.1(b) Direktive 2014/53/EU (EN 301 489-20 V2.1.1:2019)
ElectroMagnetic Compatibility (EMC) standard for radio equipment and services – Part 20: Specific conditions for Mobile Earth Stations (MES) used in the Mobile Satellite Services (MSS) – Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU (EN 301 489-20 V2.1.1:2019)
- HRN EN 301 489-27 V2.2.1:2019 en pr
Norma za elektromagnetsku kompatibilnost (EMC) za radijsku opremu i službe – 27. dio: Posebni uvjeti za aktivne medicinske implantate veoma male snage (ULP-AMI) i odgovarajuće periferne naprave (ULP-AMI-P) koji rade u frekvencijskim pojasima od 402 MHz do 405 MHz – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.1(b) Direktive 2014/53/EU (EN 301 489-27 V2.2.1:2019)
ElectroMagnetic Compatibility (EMC) standard for radio equipment and services – Part 27: Specific conditions for Ultra Low Power Active Medical Implants (ULP-AMI) and related peripheral devices (ULP-AMI-P) operating in the 402 MHz to 405 MHz bands – Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU (EN 301 489-27 V2.2.1:2019)
- HRN EN 301 489-29 V2.2.1:2019 en pr
Norma za elektromagnetsku kompatibilnost (EMC) za radijsku opremu i službe – 29. dio: Posebni uvjeti za uređaje službe medicinskih podataka (MEDS) koji rade u frekvencijskim pojasima od 401 MHz do 402 MHz i od 405 MHz do 406 MHz – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.1(b) Direktive 2014/53/EU (EN 301 489-29 V2.2.1:2019)
ElectroMagnetic Compatibility (EMC) standard for radio equipment and services – Part 29: Specific conditions for Medical Data Service Devices (MEDS) operating in the 401 MHz to 402 MHz and 405 MHz to 406 MHz bands – Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU (EN 301 489-29 V2.2.1:2019)
- HRN EN 301 489-31 V2.2.1:2019 en pr
Norma za elektromagnetsku kompatibilnost (EMC) za radijsku opremu i službe – 31. dio: Posebni uvjeti za aktivne medicinske implantate veoma male snage (ULP-AMI) i odgovarajuće periferne naprave (ULP-AMI-P) koji rade u frekvencijskom pojasu od 9 kHz do 315 kHz – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.1(b) Direktive 2014/53/EU (EN 301 489-31 V2.2.1:2019)
ElectroMagnetic Compatibility (EMC) standard for radio equipment and services – Part 31: Specific conditions for equipment in the 9 kHz to 315 kHz band for Ultra Low Power Active Medical Implants (ULP-AMI) and related peripheral devices (ULP-AMI-P) – Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU (EN 301 489-31 V2.2.1:2019)
- HRN EN 301 489-33 V2.2.1:2019 en pr
Norma za elektromagnetsku kompatibilnost (EMC) radijske opreme i servisa – 33. dio: Posebni uvjeti za ultra širokopojasne uređaje (UWB) – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.1(b) Direktive 2014/53/EU (EN 301 489-33 V2.2.1:2019)
ElectroMagnetic Compatibility (EMC) standard for radio equipment and services – Part 33: Specific conditions for Ultra-WideBand (UWB) devices – Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU (EN 301 489-33 V2.2.1:2019)
- HRN EN 301 489-34 V2.1.1:2019 en pr
Norma za elektromagnetsku kompatibilnost (EMC) za radijsku opremu i službe – 34. dio: Posebni uvjeti za izvore vanjskog napajanja (EPS) za pokretne telefone – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 6 Direktive 2014/30/EU (EN 301 489-34 V2.1.1:2019)
ElectroMagnetic Compatibility (EMC) standard for radio equipment and services – Part 34: Specific conditions for External Power Supply (EPS) for mobile phones – Harmonised Standard covering the essential requirements of article 6 of Directive 2014/30/EU (EN 301 489-34 V2.1.1:2019)
- HRN EN 301 489-35 V2.2.1:2019 en pr
Norma za elektromagnetsku kompatibilnost radijske (EMC) za radijsku opremu i službe – 35. dio: Posebni uvjeti za aktivne medicinske implantate male snage (LP-AMI) koji rade u frekvencijskim pojasima od 2 483,5 MHz do 2 500 MHz – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.1(b) Direktive 2014/53/EU (EN 301 489-35 V2.2.1:2019)
ElectroMagnetic Compatibility (EMC) standard for radio equipment and services – Part 35: Specific requirements for Low Power Active Medical Implants (LP-AMI) operating in the 2 483,5 MHz to 2 500 MHz bands – Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU (EN 301 489-35 V2.2.1:2019)
- HRN EN 301 489-50 V2.2.1:2019 en pr
Norma za elektromagnetsku kompatibilnost radijske (EMC) opreme i servisa – 50. dio: Posebni uvjeti za bazne postaje (BS) pokretnih komunikacija, repetitore i pomoćnu opremu – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.1(b) Direktive 2014/53/EU (EN 301 489-50 V2.2.1:2019)
ElectroMagnetic Compatibility (EMC) standard for radio equipment and services – Part 50: Specific conditions for Cellular Communication Base Station (BS), repeater and ancillary equipment – Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU (EN 301 489-50 V2.2.1:2019)
- HRN EN 301 489-51 V2.1.1:2019 en pr
Norma za elektromagnetsku kompatibilnost (EMC) za radijsku opremu i službe – 51. dio: Posebni uvjeti za automobile, zemaljska vozila i nadzornu radarsku opremu u frekvencijskim pojasima od 24,05 GHz do 24,25 GHz, od 24,05 GHz do 24,5 GHz, od 76 GHz do 77 GHz i od 77 GHz do 81 GHz – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.1(b) Direktive 2014/53/EU (EN 301 489-51 V2.1.1:2019)
ElectroMagnetic Compatibility (EMC) standard for radio equipment and services – Part 51: Specific conditions for Automotive, Ground based Vehicles and Surveillance Radar Devices using 24,05 GHz to 24,25 GHz, 24,05 GHz to 24,5 GHz, 76 GHz to 77 GHz and 77 GHz to 81 GHz – Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU (EN 301 489-51 V2.1.1:2019)
- HRN EN 301 489-53 V1.1.1:2019 en pr
Norma za elektromagnetsku kompatibilnost (EMC) za radijsku opremu i službe – 53. dio: Posebni uvjeti za odašiljače i pridruženu pomoćnu opremu zemaljskih audio difuznih i digitalnih TV difuznih servisa – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.1(b) Direktive 2014/53/EU (EN 301 489-53 V1.1.1:2019)
ElectroMagnetic Compatibility (EMC) standard for radio equipment and services – Part 53: Specific conditions for terrestrial sound broadcasting and digital TV broadcasting service transmitters and associated ancillary equipment – Harmonised standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU (EN 301 489-53 V1.1.1:2019)
- HRN EN 319 532-3 V1.2.1:2019 en pr
Elektronički potpisi i infrastrukture (ESI) – Davatelj usluga registrirane elektroničke pošte (REM) – 3. dio: Format (EN 319 532-3 V1.2.1:2019)
Electronic Signatures and Infrastructures (ESI) – Registered Electronic Mail (REM) Services – Part 3: Formats (EN 319 532-3 V1.2.1:2019)

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

- HRN EN 16511:2019 en pr
Polukrute višeslojne ploče modularnih podnih obloga (MMF) s gornjim slojem otpornim na habanje (EN 16511:2014+A1:2019)
Loose-laid panels – Semi-rigid multilayer modular floor covering (MMF) panels with wear resistant top layer (EN 16511:2014+A1:2019)

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

HRN EN ISO 3961:2019 en pr
Životinjske i biljne masti i ulja – Određivanje jednog broja (ISO 3961:2018; EN ISO 3961:2018)
Animal and vegetable fats and oils – Determination of iodine value (EN ISO 3961:2018; EN ISO 3961:2018)

HRN EN 15416-3:2019 en pr
Adhezivi za nosive drvene strukture koji nisu fenolni ili aminoplastični – Metode ispitivanja – 3. dio: Ispitivanje deformacije puzanja u cikličkim klimatskim uvjetima s uzorcima koji se naprežu savojnim smicanjem (EN 15416-3:2017+A1:2019)
Adhesives for load bearing timber structures other than phenolic and aminoplastic – Test methods – Part 3: Creep deformation test at cyclic climate conditions with specimens loaded in bending shear (EN 15416-3:2017+A1:2019)

HZN/TU M1, *Metalni materijali 1*

HRN EN ISO 4491-4:2019 en pr
Metalni prah – Određivanje udjela kisika metodama redukcije – 4. dio: Ukupni kisik pomoću redukcije-ekstrakcije (ISO 4491-4:2019; EN ISO 4491-4:2019)
Metallic powders – Determination of oxygen content by reduction methods – Part 4: Total oxygen by reduction-extraction (ISO 4491-4:2019; EN ISO 4491-4:2019)

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

HRN EN ISO 7492:2019 en pr
Stomatologija – Stomatološka sonda (ISO 7492:2019; EN ISO 7492:2019)
Dentistry – Dental explorer (ISO 7492:2019; EN ISO 7492:2019)

HRN EN 13795-1:2019 en pr
Kirurška odjeća i prekrivači – Zahtjevi i metode ispitivanja – 1. dio: Kirurški prekrivači i ogrtači (EN 13795-1:2019)
Surgical clothing and drapes – Requirements and test methods – Part 1: Surgical drapes and gowns (EN 13795-1:2019)

HRN EN 13795-2:2019 en pr
Kirurška odjeća i prekrivači – Zahtjevi i metode ispitivanja – 2. dio: Operacijska odijela (EN 13795-2:2019)
Surgical clothing and drapes – Requirements and test methods – Part 2: Clean air suits (EN 13795-2:2019)

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

HRN EN 2320:2019 en pr
Zrakoplovstvo – Legura aluminija 2024-T4 – Vučene šipke – a ≤ 75 mm (EN 2320:2019)
Aerospace series – Aluminium alloy 2024-T4 – Drawn bar – a ≤ 75 mm (EN 2320:2019)

HRN EN 2321:2019 en pr
Zrakoplovstvo – Legura aluminija 2024-T3 – Šipke i profili – a ≤ 150 mm (EN 2321:2019)
Aerospace series – Aluminium alloy 2024-T3 – Bars and sections – a ≤ 150 mm (EN 2321:2019)

HRN EN 2414:2019 en pr
Zrakoplovstvo – Podložne pločice, skošene, s upustom, iz legure čelika, prevučene kadmijem (EN 2414:2019)
Aerospace series – Washers, chamfered, with counterbore, in alloy steel, cadmium plated (EN 2414:2019)

HRN EN 2468:2019 en pr
Zrakoplovstvo – Čelik FE-PA11 – Omekšan – Cijevi – 0,5 mm ≤ a ≤ 5 mm (EN 2468:2019)
Aerospace series – Steel FE-PA11 – Softened – Tubes – 0,5 mm ≤ a ≤ 5 mm (EN 2468:2019)

HRN EN 2470:2019 en pr
Zrakoplovstvo – Čelik FE-PA11 – Omekšan i hladno vučen – Žica za zakovice – 1 mm ≤ D ≤ 10 mm (EN 2470:2019)
Aerospace series – Steel FE-PA11 – Softened and cold drawn – Wires for rivets – 1 mm ≤ D ≤ 10 mm (EN 2470:2019)

HRN EN 2583:2019 en pr
Zrakoplovstvo – Vijci, s "MJ" navojem, otporni na toplinu od legure na bazi nikla NI-PH2601 (Inconel 718) – Klasifikacija: 1275 MPa (pri temperaturi okoline)/650 °C – Tehnička specifikacija (EN 2583:2019)
Aerospace series – Bolts; MJ threads, in heat resisting nickel base alloy NI-PH2601 (Inconel 718) – Classification: 1 275 MPa (at ambient temperature)/650°C – Technical specification (EN 2583:2019)

HRN EN 2699:2019 en pr
Zrakoplovstvo – Legura aluminija (5086) – Žarena i očvrstnuta hladnom deformacijom (H111) – Vučene šipke – 6 mm ≤ D ≤ 50 mm (EN 2699:2019)
Aerospace series – Aluminium alloy (5086) – Annealed and straightened (H111) – Drawn bar – 6 mm ≤ D ≤ 50 mm (EN 2699:2019)

HRN EN 2923:2019 en pr
Zrakoplovstvo – Ravne niske šesterokutne matice, smanjeni otvor ključa, iz čelika otpornog na visoke temperature, posrebrene – Klasifikacija: 600 MPa (pri temperaturi okoline) / 425 °C (EN 2923:2019)
Aerospace series – Nuts, hexagon, plain, reduced height, reduced across flats, in heat resisting steel, silver plated – Classification: 600 MPa (at ambient temperature) / 425 °C (EN 2923:2019)

HRN EN 2924:2019 en pr
Zrakoplovstvo – Ravne niske šesterokutne matice, smanjeni otvor ključa, iz čelika otpornog na visoke temperature, posrebrene, lijevi navoj – Klasifikacija: 600 MPa (pri temperaturi okoline) / 425 °C (EN 2924:2019)
Aerospace series – Nuts, hexagon, plain, reduced height, reduced across flats, in heat resisting steel, silver plated, left hand thread – Classification: 600 MPa (at ambient temperature) / 425 °C (EN 2924:2019)

HRN EN 2952:2019 en pr
Zrakoplovstvo – Legura otporna na toplinu NI-PH2601 – Obrađena otopinom i hladno obrađena – Šipke za kovane spojne elemente – D ≤ 50 mm – 1 270 MPa ≤ Rm ≤ 1 550 MPa (EN 2952:2019)
Aerospace series – Heat resisting alloy NI-PH2601 – Solution treated and cold worked – Bar for forged fasteners – D ≤ 50 mm – 1 270 MPa ≤ Rm ≤ 1 550 MPa (EN 2952:2019)

HRN EN 3220:2019 en pr
Zrakoplovstvo – Legura na bazi nikla otporna na toplinu NI-PH2601 (Ni-P101HT) – Hladno obrađena i omekšana – Šipke i žice za kovanje kontinuiranim postupkom ili ekstrudiranje za spojne elemente – 3 mm ≤ D ≤ 30 mm (EN 3220:2019)
Aerospace series – Heat resisting nickel base alloy (Ni-P101HT) – Cold worked and softened – Bar and wire for continuous forging or extrusion for fasteners – 3 mm ≤ D ≤ 30 mm (EN 3220:2019)

HRN EN 3275:2019 en pr
Zrakoplovstvo – Priključak cijevi 8°30' za opterećenja do 28000 kPa – Brtve s dinamičkim snopom – Metrički nizovi – Tehnička specifikacija (EN 3275:2019)
Aerospace series – Pipe coupling 8°30' up to 28 000 kPa – Dynamic beam seal – Metric series – Technical specification (EN 3275:2019)

HRN EN 3314:2019 en pr
Zrakoplovstvo – Legura titanija TI-P64001 – Obrađena otopinom i starenjem – Šipke za strojnu obradu – D ≤ 75 mm (EN 3314:2019)
Aerospace series – Titanium alloy TI-P64001 – Solution treated and aged – Bar for machining – D ≤ 75 mm (EN 3314:2019)

HRN EN 3470:2019 en pr
Zrakoplovstvo – Čelik FE-PM1503 (X3CrNiMoAl13-8-2) – Topljen vakuumskom indukcijom i pretopljen s topljivom elektrodom – Obađena otopinom i precipitom – Otkivci – a ili D ≤ 150 mm – 1 200 MPa ≤ Rm ≤ 1 400 MPa (EN 3470:2019)
Aerospace series – Steel FE-PM1503 (X3CrNiMoAl13-8-2) – Vacuum induction melted and consumable electrode remelted – Solution treated and precipitation treated – Forgings – a or D ≤ 150 mm – 1 200 MPa ≤ Rm ≤ 1 400 MPa (EN 3470:2019)

HRN EN 4289:2019 en pr
Zrakoplovstvo – Legura aluminija AL-P7175 – Materijal za kovanje (EN 4289:2019)
Aerospace series – Aluminium alloy AL-P7175 – Forging stock (EN 4289:2019)

HRN EN 4400-1:2019 en pr
Zrakoplovstvo – Aluminij i legure aluminija i magnezija – Tehnička specifikacija – 1. dio: Ploče od aluminija i legure aluminija (EN 4400-1:2019)
Aerospace series – Aluminium and aluminium and magnesium-alloys – Technical specification – Part 1: Aluminium and aluminium alloy plate (EN 4400-1:2019)

- HRN EN 4400-2:2019 en pr
Zrakoplovstvo – Aluminij i legure aluminija i magnezija – Tehnička specifikacija – 2. dio: Limovi i trake od aluminija i legure aluminija (EN 4400-2:2019)
Aerospace series – Aluminium and aluminium-and magnesium-alloys – Technical specification – Part 2: Aluminium and aluminium alloy sheet and strip (EN 4400-2:2019)
- HRN EN 4400-3:2019 en pr
Zrakoplovstvo – Aluminij i legure aluminija i magnezija – Tehnička specifikacija – 3. dio: Šipke i profili od aluminija i legure aluminija (EN 4400-3:2019)
Aerospace series – Aluminium and aluminium-and magnesium-alloys – Technical specification – Part 3: Aluminium and aluminium alloy bar and section (EN 4400-3:2019)
- HRN EN 4400-6:2019 en pr
Zrakoplovstvo – Aluminij i legure aluminija i magnezija – Tehnička specifikacija – 6. dio: Materijal za kovanje od legure aluminija (EN 4400-6:2019)
Aerospace series – Aluminium and aluminium-and magnesium-alloys – Technical specification – Part 6: Aluminium alloy forging stock (EN 4400-6:2019)
- HRN EN 6055:2019 en pr
Zrakoplovstvo – Kraj šipke s ležajem prema normi EN 4265 od čelika otpornog na koroziju, struk s vanjskim navojem – Dimenzije i opterećenja – Nizovi u inčima (EN 6055:2019)
Aerospace series – Rod-end with bearing EN 4265 in corrosion resisting steel, external threaded shank – Dimensions and loads – Inch series (EN 6055:2019)
- HRN EN 6056:2019 en pr
Zrakoplovstvo – Kraj šipke s ležajem prema normi EN 4614 sa samopodmazujućom oblogom od čelika otpornog na koroziju, sa strukom s vanjskim navojem – Dimenzije i opterećenja – Nizovi u inčima (EN 6056:2019)
Aerospace series – Rod-end with bearing per EN 4614 with self lubricating liner in corrosion resisting steel with external threaded shank – Dimensions and loads – Inch series (EN 6056:2019)
- HRN EN 6059-402:2019 en pr
Zrakoplovstvo – Električni kabeli, ugradnja – Zaštitne navlake – Metode ispitivanja – 402. dio: Svojstva savijanja (EN 6059-402:2019)
Aerospace Series – Electrical cables, installation – Protection sleeves – Test methods – Part 402: Bending properties (EN 6059-402:2019)
- HRN EN 6096:2019 en pr
Zrakoplovstvo – Ležajevi, kuglasti klizni sa samopodmazujućom oblogom, posebno širokog unutrašnjeg obruča, izrađeni od čelika otpornog na koroziju – Dimenzije i opterećenja – Nizovi u inčima (EN 6096:2019)
Aerospace series – Bearing, spherical plain with self-lubricating liner, extra wide inner ring in corrosion resisting steel – Dimensions and loads – Inch series (EN 6096:2019)
- HRN EN 6097:2019 en pr
Zrakoplovstvo – Ležajevi, kuglasti klizni, metal na metal, posebno širokog unutrašnjeg obruča, izrađeni od čelika otpornog na koroziju – Dimenzije i opterećenja – Nizovi u inčima (EN 6097:2019)
Aerospace series – Bearing, spherical plain, metal to metal, extra wide inner ring in corrosion resisting steel – Dimensions and loads – Inch series (EN 6097:2019)
- HRN EN 6098:2019 en pr
Zrakoplovstvo – Kraj šipke s ležajem prema normi EN 6097 izrađeni od čelika otpornog na koroziju, posebno širokog unutrašnjeg obruča, sa strukom s vanjskim navojem – Dimenzije i opterećenja – Nizovi u inčima (EN 6098:2019)
Aerospace series – Rod-end with bearing per EN 6097 in corrosion resisting steel, extra wide inner ring, external threaded shank – Dimensions and loads – Inch series (EN 6098:2019)
- HRN EN 6133:2019 en pr
Zrakoplovstvo – Kraj šipke s ležajem prema normi EN 6096, sa samopodmazujućom oblogom, od čelika otpornog na koroziju, posebno širokog unutrašnjeg obruča, sa strukom s vanjskim navojem – Dimenzije i opterećenja – Nizovi u inčima (EN 6133:2019)
Aerospace series – Rod-end, with bearing per EN 6096, with self-lubricating liner in corrosion resisting steel, extra wide inner ring, external threaded shank – Dimensions and loads – Inch series (EN 6133:2019)
- HRN EN 16602-70-38:2019 en pr
Osiguranje kvalitete proizvoda za upotrebu u svemiru – Lemljenje visoke pouzdanosti za površinsku montažu i kombinirane tehnologije (EN 16602-70-38:2019)
Space product assurance – High-reliability soldering for surface-mount and mixed technology (EN 16602-70-38:2019)
- HRN EN 16602-70-54:2019 en pr
Osiguranje kvalitete proizvoda za upotrebu u svemiru – Potpuno čišćenje (ultracleaning) opreme za letenje (EN 16602-70-54:2019)
Space product assurance – Ultracleaning of flight hardware (EN 16602-70-54:2019)
- HRN EN 16603-31-04:2019 en pr
Svemirsko inženjerstvo – Razmjena podataka toplinske analize (EN 16603-31-04:2019)
Space engineering – Exchange of thermal analysis data (EN 16603-31-04:2019)
- HRN EN 16603-33-01:2019 en pr
Svemirsko inženjerstvo – Mehanizmi (EN 16603-33-01:2019)
Space engineering – Mechanisms (EN 16603-33-01:2019)
- HRN EN 16603-33-11:2019 en pr
Svemirsko inženjerstvo – Eksplozivni podsustavi i uređaji (EN 16603-33-11:2019)
Space engineering – Explosive subsystems and devices (EN 16603-33-11:2019)
- HRN EN 16796-4:2019 en pr
Energijska učinkovitost industrijskih vozila – Metode ispitivanja – 4. dio: Vozila za teške terene s promjenjivim dohvatom (EN 16796-4:2019)
Energy efficiency of industrial trucks – Test methods – Part 4: Variable-reach rough-terrain trucks (EN 16796-4:2019)

HZN/TU U1, Opća elektrotehnika 1

- HRN EN IEC 60027-2:2019 en pr
Slovni simboli za uporabu u elektrotehnici – 2. dio: Telekomunikacije i elektronika (IEC 60027-2:2019; EN IEC 60027-2:2019)
Letter symbols to be used in electrical technology – Part 2: Telecommunications and electronics (IEC 60027-2:2019; EN IEC 60027-2:2019)
- HRN EN 60404-2:2008/Ispr.2:2019 en pr
Magnetski materijali – 2. dio: Mjerene metode magnetnih svojstava električnih čeličnih traka i limova pomoću Epstein okvira (IEC 60404-2:1996/am1:2008/Corr.1:2018; EN 60404-2:1998/A1:2008/AC:2018)
Magnetic materials – Part 2: Methods of measurement of the magnetic properties of electrical steel strip and sheet by means of an Epstein frame (IEC 60404-2:1996/am1:2008/Corr.1:2018; EN 60404-2:1998/A1:2008/AC:2018)
- HRN EN IEC 60974-2:2019 en pr
Oprema za elektrolučno zavarivanje – 2. dio: Sustavi za hlađenje tekućinom (IEC 60974-2:2019; EN IEC 60974-2:2019)
Arc welding equipment – Part 2: Liquid cooling systems (IEC 60974-2:2019; EN IEC 60974-2:2019)
- HRN EN IEC 60974-5:2019 en pr
Oprema za elektrolučno zavarivanje – 5. dio: Dodavači žice (IEC 60974-5:2019; EN IEC 60974-5:2019)
Arc welding equipment – Part 5: Wire feeders (IEC 60974-5:2019; EN IEC 60974-5:2019)

HZN/TU V1, Elektronika 1

- HRN EN 50117-1:2019 en pr
Koaksijalni kabeli – 1. dio: Opća (generička) specifikacija (EN 50117-1:2019)
Coaxial cables – Part 1: Generic specification (EN 50117-1:2019)
- HRN EN 50117-9-1:2019 en pr
Koaksijalni kabeli – Dio 9-1: Sekcijska specifikacija za koaksijalne kabele za prijenos analognog i digitalnog signala – Viseći kabeli u zatvorenom (prostoru) za sustave koji rade na 5 MHz - 1 000 MHz (EN 50117-9-1:2019)
Coaxial cables – Part 9-1: Sectional specification for coaxial cables for analogue and digital signal transmission – Indoor drop cables for systems operating at 5 MHz - 1 000 MHz (EN 50117-9-1:2019)

- HRN EN 50117-9-2:2019 en pr
Koaksijalni kabeli – Dio 9-2: Sekcijska specifikacija za koaksijalne kabele za prijenos analognog i digitalnog signala – Viseći kabeli u zatvorenom (prostoru) za sustave koji rade na 5 MHz - 3 000 MHz (EN 50117-9-2:2019)
Coaxial cables – Part 9-2: Sectional specification for coaxial cables for analogue and digital signal transmission – Indoor drop cables for systems operating at 5 MHz - 3 000 MHz (EN 50117-9-2:2019)
- HRN EN 50117-9-3:2019 en pr
Koaksijalni kabeli – Dio 9-3: Sekcijska specifikacija za koaksijalne kabele za prijenos analognog i digitalnog signala – Viseći kabeli u zatvorenom (prostoru) za sustave koji rade na 5 MHz - 6 000 MHz (EN 50117-9-3:2019)
Coaxial cables – Part 9-3: Sectional specification for coaxial cables for analogue and digital signal transmission – Indoor drop cables for systems operating at 5 MHz - 6 000 MHz (EN 50117-9-3:2019)
- HRN EN 50117-10-1:2019 en pr
Koaksijalni kabeli – Dio 10-1: Sekcijska specifikacija za koaksijalne kabele za prijenos analognog i digitalnog signala – Viseći kabeli na otvorenom (prostoru) za sustave koji rade na 5 MHz - 1 000 MHz (EN 50117-10-1:2019)
Coaxial cables – Part 10-1: Sectional specification for coaxial cables for analogue and digital signal transmission – Outdoor drop cables for systems operating at 5 MHz - 1 000 MHz (EN 50117-10-1:2019)
- HRN EN 50117-10-2:2019 en pr
Koaksijalni kabeli – Dio 10-2: Sekcijska specifikacija za koaksijalne kabele za prijenos analognog i digitalnog signala – Viseći kabeli na otvorenom (prostoru) za sustave koji rade na 5 MHz - 3 000 MHz (EN 50117-10-2:2019)
Coaxial cables – Part 10-2: Sectional specification for coaxial cables for analogue and digital signal transmission – Outdoor drop cables for systems operating at 5 MHz - 3 000 MHz (EN 50117-10-2:2019)
- HRN EN 50117-11-1:2019 en pr
Koaksijalni kabeli – Dio 11-1: Sekcijska specifikacija za koaksijalne kabele za prijenos analognog i digitalnog signala – Razdjelni i glavni međumjesni kabeli za sustave koji rade na 5 MHz - 1 000 MHz (EN 50117-11-1:2019)
Coaxial cables – Part 11-1: Sectional specification for coaxial cables for analogue and digital signal transmission – Distribution and trunk cables for systems operating at 5 MHz - 1 000 MHz (EN 50117-11-1:2019)
- HRN EN 50117-11-2:2019 en pr
Koaksijalni kabeli – Dio 11-2: Sekcijska specifikacija za koaksijalne kabele za prijenos analognog i digitalnog signala – Razdjelni i glavni međumjesni kabeli za sustave koji rade na 5 MHz - 2 000 MHz (EN 50117-11-2:2019)
Coaxial cables – Part 11-2: Sectional specification for coaxial cables for analogue and digital signal transmission – Distribution and trunk cables for systems operating at 5 MHz - 2 000 MHz (EN 50117-11-2:2019)
- HRN EN 50377-18-1:2019 en pr
Connector sets and interconnect components to be used in optical fibre communication systems – Product specifications – Part 18-1: type 4+4x10.3125 Gb/s MPO (QFSP) transceiver mated with an MPO connector equipped with 12 fibre PPS ferrules terminated on EN 60793-2-10 category A1a.3a or A1a.3b 50/125 micron multimode fibre (EN 50377-18-1:2019)
- HRN EN IEC 60122-4:2019 en pr
Kvarcne kristalne jedinice utvrđene kvalitete – 4. dio: Kristalne jedinice s termistorima (IEC 60122-4:2019; EN IEC 60122-4:2019)
Quartz crystal units of assessed quality – Part 4: Crystal units with thermistors (IEC 60122-4:2019; EN IEC 60122-4:2019)
- HRN EN IEC 60384-21:2019 en pr
Fiksni kondenzatori za uporabu u elektroničkoj opremi – 21. dio: Sekcijska specifikacija – Fiksni višeslojni kondenzatori za površinsku montažu s keramičkim dielektrikom, razreda 1 (IEC 60384-21:2019; EN IEC 60384-21:2019)
Fixed capacitors for use in electronic equipment – Part 21: Sectional specification – Fixed surface mount multilayer capacitors of ceramic dielectric, Class 1 (IEC 60384-21:2019; EN IEC 60384-21:2019)
- HRN EN IEC 60384-22:2019 en pr
Fiksni kondenzatori za uporabu u elektroničkoj opremi – 22. dio: Sekcijska specifikacija – Fiksni višeslojni kondenzatori za površinsku montažu s keramičkim dielektrikom, razreda 2 (IEC 60384-22:2019; EN IEC 60384-22:2019)
Fixed capacitors for use in electronic equipment – Part 22: Sectional specification – Fixed surface mount multilayer capacitors of ceramic dielectric, Class 2 (IEC 60384-22:2019; EN IEC 60384-22:2019)
- HRN EN IEC 60512-99-002:2019 en pr
Konektori za električnu i elektroničku opremu – Ispitivanja i mjerenja – Dio 99-002: Rasporedi ispitivanja izdržljivosti – Ispitivanje 99b: Raspored ispitivanja za odvajanje pod električnim opterećenjem (IEC 60512-99-002:2019; EN IEC 60512-99-002:2019)
Connectors for electrical and electronic equipment – Tests and measurements – Part 99-002: Endurance test schedules – Test 99b: Test schedule for unrating under electrical load (IEC 60512-99-002:2019; EN IEC 60512-99-002:2019)
- HRN EN IEC 60793-1-31:2019 en pr
Optička vlakna – Dio 1-31: Metode mjerenja i postupci ispitivanja – Vlačna čvrstoća (IEC 60793-1-31:2019; EN IEC 60793-1-31:2019)
Optical fibres – Part 1-31: Measurement methods and test procedures – Tensile strength (IEC 60793-1-31:2019; EN IEC 60793-1-31:2019)
- HRN EN IEC 60966-1:2019 en pr
Sklopovi za radiofrekvencijski i koaksijalni kabel – 1. dio: Opća specifikacija – Opći zahtjevi i metode ispitivanja (IEC 60966-1:2019; EN IEC 60966-1:2019)
Radio frequency and coaxial cable assemblies – Part 1: Generic specification – General requirements and test methods (IEC 60966-1:2019; EN IEC 60966-1:2019)
- HRN EN 61010-1:2011/A1:2019/lsp.r:2019 en pr
Sigurnosni zahtjevi za mjernu, upravljačku i laboratorijsku električnu opremu – 1. dio: Opći zahtjevi (IEC 61010-1:2010/A1:2016/Corr.1:2019; EN 61010-1:2010/A1:2019/AC:2019)
Safety requirements for electrical equipment for measurement, control, and laboratory use – Part 1: General requirements (IEC 61010-1:2010/A1:2016/Corr.1:2019; EN 61010-1:2010/A1:2019/AC:2019)
- HRN EN IEC 61076-3-124:2019 en pr
Konektori za električnu i elektroničku opremu – Zahtjevi za proizvod – Dio 3-124: Pravokutni konektori – Detaljne specifikacije za 10-smjerne, oklopljene, slobodne i fiksne konektore za I/O i prijenos podataka s frekvencijama do 500MHz (IEC 61076-3-124:2019; EN IEC 61076-3-124:2019)
Connectors for electrical and electronic equipment – Product requirements – Part 3-124: Rectangular connectors – Detail specification for 10-way, shielded, free and fixed connectors for I/O and data transmission with frequencies up to 500 MHz (IEC 61076-3-124:2019; EN IEC 61076-3-124:2019)
- HRN EN IEC 62148-21:2019 en pr
Fibre optic active components and devices – Package and interface standards – Part 21: Design guide of electrical interface of PIC packages using silicon fine-pitch ball grid array (S-FBGA) and silicon fine-pitch land grid array (S-FLGA) (IEC 62148-21:2019; EN IEC 62148-21:2019)
- HRN EN IEC 62228-3:2019 en pr
Integrirani krugovi – Procjena elektromagnetske kompatibilnosti (EMC) primopredajnika – 3. dio: CAN primopredajnik (IEC 62228-3:2019; EN IEC 62228-3:2019)
Integrated circuits – EMC evaluation of transceivers – Part 3: CAN transceivers (IEC 62228-3:2019; EN IEC 62228-3:2019)
- HRN EN IEC 62343-1:2019 en pr
Dinamički moduli – 1. dio: Izvedbene norme – Opći uvjeti (IEC 62343-1:2019; EN IEC 62343-1:2019)
Dynamic modules – Part 1: Performance standards – General conditions (IEC 62343-1:2019; EN IEC 62343-1:2019)
- HRN EN IEC 62433-1:2019 en pr
Modeliranje elektromagnetske kompatibilnosti integriranih krugova (EMC IC) – 1. dio: Opći okvir za modeliranje (IEC 62433-1:2019; EN IEC 62433-1:2019)
EMC IC modelling – Part 1: General modelling framework (IEC 62433-1:2019; EN IEC 62433-1:2019)

HRN EN IEC 62496-4-1:2019 en pr
Optical circuit boards – Part 4-1: Interface standards – Terminated waveguide OCB assembly using single-row twelve-channel PMT connectors (IEC 62496-4-1:2019; EN IEC 62496-4-1:2019)

HRN EN IEC 62966-1:2019 en pr
Mehaničke konstrukcije za električnu i elektroničku opremu – Zaustavni prolaz za IT ormare – 1. dio: Dimenzije i mehanički zahtjevi (IEC 62966-1:2019; EN IEC 62966-1:2019)
Mechanical structures for electrical and electronic equipment – Aisle containment for IT cabinets – Part 1: Dimensions and mechanical requirements (IEC 62966-1:2019; EN IEC 62966-1:2019)

HRN EN IEC 63093-4:2019 en pr
Feritne jezgre – Smjernice za dimenzije i granice površinskih nepravilnosti – 4. dio: RM jezgre (IEC 63093-4:2019; EN IEC 63093-4:2019)
Ferrite cores – Guidelines on dimensions and the limits of surface irregularities – Part 4: RM-cores (IEC 63093-4:2019; EN IEC 63093-4:2019)

HRN EN IEC 63093-13:2019 en pr
Feritne jezgre – Smjernice za dimenzije i granice površinskih nepravilnosti – 13. dio: PQ jezgre (IEC 63093-13:2019; EN IEC 63093-13:2019)
Ferrite cores – Guidelines on dimensions and the limits of surface irregularities – Part 13: PQ-cores (IEC 63093-13:2019; EN IEC 63093-13:2019)

HZN/TU W1, Energetska elektrotehnika 1

HRN EN 50632-1:2015/A1:2019 en pr
Elektromotorni alati – Postupak mjerenja prašine – 1. dio: Opći zahtjevi (EN 50632-1:2015/A1:2019)
Electric motor-operated tools – Dust measurement Procedure – Part 1: General requirements (EN 50632-1:2015/A1:2019)

HRN EN 60691:2016/A1:2019 en pr
Toplinski zaštitni ulošci – Zahtjevi i upute za primjenu (IEC 60691:2015/am1:2019; EN 60691:2016/A1:2019)
Thermal-links – Requirements and application guide (IEC 60691:2015/am1:2019; EN 60691:2016/A1:2019)

HRN EN IEC 62097:2019 en pr
Hidraulični strojevi, radialni i aksijalni – Metodologija za transponiranje značajki iz modela u prototip (IEC 62097:2019; EN IEC 62097:2019)
Hydraulic machines, radial and axial – Methodology for performance transposition from model to prototype (IEC 62097:2019; EN IEC 62097:2019)

HRN EN IEC 62902:2019 en pr
Sekundarni članci i baterije – Simboli za označavanje njihovog kemijskog sastava (IEC 62902:2019; EN IEC 62902:2019)
Secondary cells and batteries – Marking symbols for identification of their chemistry (IEC 62902:2019; EN IEC 62902:2019)

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 Hrvatskome 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 6, Papir, karton i pulpe

ISO 11093-9:2019 en
Paper and board – Testing of cores – Part 9: Determination of flat crush resistance
Papir i karton – Ispitivanje papirnih cijevi – 9. dio: Određivanje otpornosti na pritisak

HZN/TO 8, Brodogradnja

prEN ISO 8384 en
Ships and marine technology – Dredgers – Vocabulary (ISO/FDIS 8384:2019)
Brodovi i pomorska tehnologija – Jaružala – Terminološki rječnik (ISO/FDIS 8384:2019)

HZN/TO 22, Cestovna vozila

prEN 17347 en
Road vehicles – Machines for mounting and demounting vehicle tyres – Safety requirements
Cestovna vozila – Strojevi za zamjenu guma – Sigurnosni zahtjevi

prEN ISO 17409 en
Electrically propelled road vehicles – Conductive power transfer – Safety requirements (ISO/DIS 17409:2019)
Cestovna vozila na električni pogon – Elektroenergetski sustav – Sigurnosni zahtjevi (ISO/DIS 17409:2019)

HZN/TO 34, Poljoprivredni i prehrambeni proizvodi

prEN ISO 11746 en
Rice – Determination of biometric characteristics of kernels (ISO/DIS 11746:2019)
Riža – Određivanje biometričkih karakteristika zrna (ISO/DIS 11746:2019)

prEN 15948 en
Cereals – Determination of moisture and protein – Method using Near-Infrared-Spectroscopy in whole kernels
Žitarice – Određivanje vlage i proteina – Metoda primjenom bliske infracrvene spektroskopije u cijelom zrnu

prEN ISO 16624 en
Wheat flour and durum wheat semolina – Determination of the colour by reflectance diffused colorimetry (ISO/DIS 16624:2019)

HZN/TO 43, Akustika

prEN ISO 11691 en
Acoustics – Measurement of insertion loss of ducted silencers without flow – Laboratory survey method (ISO/DIS 11691:2019)
Akustika – Mjerenje unesenog prigušenja prigušivača u kanalima bez protoka – Laboratorijska pregledna metoda (ISO/DIS 11691:2019)

HZN/TO 86, Uređaji za hlađenje, klimatizaciju i dizalice topline

prEN ISO 22043 en
Ice-cream freezers – Classification, requirements and test conditions (ISO/DIS 22043:2019)
Zamrzivači za sladoled – Razredba, zahtjevi i uvjeti ispitivanja (ISO/DIS 22043:2019)

HZN/TO 91, Površinski aktivne tvari

prEN 17035 en
Surface Active Agents – Bio-based surfactants – Requirements and test methods

HZN/TO 134, Gnojiva i poboljšivači tla

prEN 13971 en
Carbonate and silicate liming materials – Determination of reactivity – Potentiometric titration method with hydrochloric acid
Karbonatne i silikatne tvari za kalcifikaciju – Određivanje reaktivnosti – Metoda potenciometrijske titracije klorovodičnom kiselinom

EN ISO 14820-1:2019 en
Fertilizers and liming materials – Sampling and sample preparation – Part 1: Sampling (ISO 14820-1:2016)

EN ISO 14820-2:2019 en
Fertilizers and liming materials – Sampling and sample preparation – Part 2: Sample preparation (ISO 14820-2:2016)

prEN 16087-1 en
Soil improvers and growing media – Determination of the aerobic biological activity – Part 1: Oxygen uptake rate (OUR)
Poboljšivači tla i supstrati – Određivanje aerobne biološke aktivnosti – 1. dio: Brzina unosa kisika (OUR)

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

EN 13476-2:2018/prA1 en

Plastics piping systems for non-pressure underground drainage and sewerage – Structured-wall piping systems of unplasticized poly(vinyl chloride) (PVC-U), polypropylene (PP) and polyethylene (PE) – Part 2: Specifications for pipes and fittings with smooth internal and external surface and the system, Type A

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EN 13476-3:2018/prA1 en

Plastics piping systems for non-pressure underground drainage and sewerage – Structured-wall piping systems of unplasticized poly(vinyl chloride) (PVC-U), polypropylene (PP) and polyethylene (PE) – Part 3: Specifications for pipes and fittings with smooth internal and profiled external surface and the system, Type B

Plastični cijevni sustavi za netlačnu podzemnu odvodnju i kanalizaciju – Cijevni sustavi sa strukturiranom stijenkom od neomekšanog poli(vinil-klorida) (PVC-U), polipropilena (PP) i polietilena (PE) – 3. dio: Specifikacije za cijevi i spojnice s glatkom unutrašnjom i profiliranom vanjskom površinom i sustav, tip B

HZN/TO 146, *Kvaliteta zraka*

prEN 17389 en

Stationary source emissions – Quality assurance and quality control procedures for automated dust arrestment plant monitors
Emisije iz nepokretnih izvora – Postupci osiguranja i kontrole kvalitete automatskih uređaja za kontinuirano praćenje uklanjanja prašine

HZN/TO 159, *Ergonomija*

prEN ISO 25066 en

Systems and software engineering – Systems and software Quality Requirements and Evaluation (SQuaRE) – Common Industry Format (CIF) for Usability – Evaluation Report (ISO/IEC 25066:2016)

HZN/TO 182, *Geotehničke konstrukcije*

prEN ISO 22476-14 en

Geotechnical investigation and testing – Field testing – Part 14: Borehole dynamic probing (ISO/DIS 22476-14:2019)
Geotehničko istraživanje i ispitivanje – Terensko ispitivanje – 14. dio: Dinamičko penetracijsko ispitivanje u bušotini (ISO/DIS 22476-14:2019)

HZN/TO 503, *Metalni materijali*

EN 12392:2016/prA1 en

Aluminium and aluminium alloys – Wrought products and cast products – Special requirements for products intended for the production of pressure equipment

Aluminij i aluminijeve legure – Gnječeni proizvodi i ljevani proizvodi – Posebni zahtjevi za proizvode za izradu tlačne opreme

EN ISO 21809-3:2016/prA1 en

Petroleum and natural gas industries – External coatings for buried or submerged pipelines used in pipeline transportation systems – Part 3: Field joint coatings (ISO 21809-3:2016/DAMd 1:2019)

Industrija nafte i zemnoga plina – Vanjske prevlake za podzemne ili podvodne cjevovode za upotrebu u cjevovodnim transportnim sustavima – 3. dio: Prevlake za spojeve izrađene na gradilištu (ISO 21809-3:2016/DAMd 1:2019)

HZN/TO 505, *Prijenos i distribucija plina*

prEN ISO 20088-3 en

Determination of the resistance to cryogenic spillage of insulation materials – Part 3: Jet release (ISO 20088-3:2018)

HZN/TO 511, *Eksplzivni za civilnu uporabu*

prEN 15947-1:2018 en

Pyrotechnic articles – Fireworks, Categories F1, F2 and F3 – Part 1: Terminology
Pirotehnički proizvodi – Vatrometi, kategorije F1, F2 i F3 – 1. dio: Nazivlje

prEN 15947-2:2018 en

Pyrotechnic articles – Fireworks, Categories F1, F2 and F3 – Part 2: Categories and types of firework
Pirotehnički proizvodi – Vatrometi, kategorije F1, F2 i F3 – 2. dio: Kategorije i tipovi vatrometa

prEN 15947-3:2018 en

Pyrotechnic articles – Fireworks, Categories F1, F2, and F3 – Part 3: Minimum labelling requirements
Pirotehnički proizvodi – Vatrometi, kategorije F1, F2 i F3 – 3. dio: Minimalni zahtjevi za označavanje

prEN 15947-4:2018 en

Pyrotechnic articles – Fireworks, Categories F1, F2 and F3 – Part 4: Test methods
Pirotehnički proizvodi – Vatrometi, kategorije F1, F2 i F3 – 4. dio: Metode ispitivanja

prEN 15947-5:2018 en

Pyrotechnic articles – Fireworks, Categories F1, F2 and F3 – Part 5: Requirements for construction and performance
Pirotehnički proizvodi – Vatrometi, kategorije F1, F2 i F3 – 5. dio: Zahtjevi za konstrukciju i svojstva

HZN/TO 528, *Oprema za željeznice*

prEN 15807 en

Railway applications – Pneumatic half couplings
Željeznički sustav – Poluspojke zračne instalacije

HZN/TO 531, *Plastika i guma*

EN 12608-1:2016/prA1 en

Unplasticized poly(vinyl chloride) (PVC-U) profiles for the fabrication of windows and doors – Classification, requirements and test methods – Part 1: Non-coated PVC-U profiles with light coloured surfaces

Profili od neomekšanog poli(vinil-klorida) (PVC-U) za izradu prozora i vrata – Razredba, zahtjevi i metode ispitivanja – 1. dio: Nezaštićeni PVC-U profili svijetlih površina

HZN/TO 534, *Spremnici za teret*

prEN 13121-1 en

GRP tanks and vessels for use above ground – Part 1: Raw materials – Specification conditions and acceptance criteria
Spremnici i posude od plastike ojačane staklom (GRP) za nadzemnu upotrebu – 1. dio: Sirovi materijali – Specifikacija uvjeta i uvjeti prihvaćanja

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

prEN ISO 29464 en

Cleaning of air and other gases – Terminology (ISO 29464:2017)

HZN/TO 554, *Obrada otpadnih voda*

prEN 14654-1 en

Drain and sewer systems outside buildings – Management and control of activities – Part 1: General requirements
Odvodni i kanalizacijski sustavi izvan zgrada – Upravljanje i kontrola radnih aktivnosti – 1. dio: Opći zahtjevi

prEN 14654-2 en

Drain and sewer systems outside buildings – Management and control of activities – Part 2: Rehabilitation
Odvodni i kanalizacijski sustavi izvan zgrada – Upravljanje i kontrola radnih aktivnosti – 2. dio: Sanacija

prEN 14654-3 en

Drain and sewer systems outside buildings – Management and control of activities – Part 3: Cleaning
Odvodni i kanalizacijski sustavi izvan zgrada – Upravljanje i kontrola radnih aktivnosti – 3. dio: Čišćenje

prEN 14654-4 en

Drain and sewer systems outside buildings – Management and control of activities – Part 4: Control of inputs from users

HZN/TO 555, *Medicinski proizvodi*

prEN 14222 en

Stainless steel shell boilers
Dimnocijevni kotlovi od nehrđajućeg čelika

HZN/TO 559, Zaporni, regulacijski i sigurnosni uređaji

prEN ISO 8659 en
Thermoplastics valves – Fatigue strength – Test method (ISO/DIS 8659:2019)
Termoplastični zaporni uređaji – Dinamička (trajna) čvrstoća – Ispitna metoda (ISO/DIS 8659:2019)

HZN/TO 560, Tekstilni proizvodi

ISO 675:2014 en
Textiles – Woven fabrics – Determination of dimensional change on commercial laundering near the boiling point
Tekstil – Tkanine – Određivanje dimenzijskih promjena kod komercijalnog pranja u blizini točke vrenja

ISO 1136:2015 en
Wool – Determination of mean diameter of fibres – Air permeability method
Vuna – Određivanje srednjeg promjera vlakana – Metoda propusnosti zraka

ISO 1144:2016 en
Textiles – Universal system for designating linear density (Tex System)
Tekstil – Opći sustav za označivanje duljinske mase (Tex sustav)

ISO 2370:2019 en
Textiles – Determination of fineness of flax fibres – Permeametric methods
Tekstil – Određivanje finoće lanenih vlakana – Metode propusnosti zraka

ISO 2403:2014 en
Textiles – Cotton fibres – Determination of micronaire value
Tekstil – Pamučna vlakna – Određivanje mikroner vrijednosti

ISO 5971:2017 en
Size designation of clothes – Tights
Sustav označivanja veličine odjeće – Čarape s gaćicama

ISO 8559-2:2017 en
Size designation of clothes – Part 2: Primary and secondary dimension indicators
Sustav označivanja veličine odjeće – 2. dio: Primarni i sekundarni pokazatelji dimenzija

ISO 16549:2004 en
Textiles – Unevenness of textile strands – Capacitance method
Tekstil – Nejednolikost tekstilnih niti – Kapacitivna metoda

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

prEN ISO 11114-1 en
Gas cylinders – Compatibility of cylinder and valve materials with gas contents – Part 1: Metallic materials (ISO/DIS 11114-1:2019)
Plinske boce – Uskladivost materijala boce i ventila sa sadržanim plinom – 1. dio: Metalni materijali (ISO/DIS 11114-1:2019)

EN 13445-3:2014/prA15 en
Unfired pressure vessels – Part 3: Design
Neložene tlačne posude – 3. dio: Projektiranje

HZN/TO 566, Mlijeko i mliječni proizvodi

prEN ISO 16297 en
Milk – Bacterial count – Protocol for the evaluation of alternative methods (ISO/DIS 16297:2019)
Mlijeko – Broj bakterija – Protokol za procjenu alternativnih metoda (ISO/DIS 16297:2019)

prEN ISO 21187 en
Milk – Quantitative determination of bacteriological quality – Guidance for establishing and verifying a conversion relationship between results of an alternative method and anchor method results (ISO/DIS 21187:2019)
Mlijeko – Kvantitativno određivanje bakteriološke kvalitete – Upute za uspostavljanje i potvrđivanje konverzijskog odnosa između rezultata rutinske metode i rezultata temeljne metode (ISO/DIS 21187:2019)

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

EN ISO 6887-3:2017/prA1 en
Microbiology of the food chain – Preparation of test samples, initial suspension and decimal dilutions for microbiological examination – Part 3: Specific rules for the preparation of fish and fishery products – Amendment 1: Sample preparation for raw marine gastropods (ISO 6887-3:2017/DAmD 1:2019)

prEN ISO 6887-5 en
Microbiology of the food chain – Preparation of test samples, initial suspension and decimal dilutions for microbiological examination – Part 5: Specific rules for the preparation of milk and milk products (ISO/DIS 6887-5:2018)

EN ISO 7932:2004/prA1 en
Microbiology of food and animal feeding stuffs – Horizontal method for the enumeration of presumptive *Bacillus cereus* – Colony-count technique at 30 degrees C – Amendment 1: Inclusion of optional tests (ISO 7932:2004/DAmD 1:2018)

FprEN 17264 en
Foodstuffs – Determination elements and their chemical species – Determination of aluminium by inductively coupled plasma mass spectrometry (ICP-MS)

FprEN 17265 en
Foodstuffs – Determination elements and their chemical species – Determination of aluminium by inductively coupled plasma optical emission spectrometry (ICP-OES)

prEN 17266 en
Foodstuffs – Determination elements and their chemical species – Determination of organomercury in seafood by elemental mercury analysis

FprEN 17279 en
Foodstuffs – Multimethod for the screening of ochratoxin A, aflatoxin B1, deoxynivalenol, zearalenone and fumonisin B1 and B2 in foodstuffs, excluding foods for infants and young children, by HPLC-MS/MS
Namirnice – Multirezidualna metoda za provjeru okratoksina A, alfatoksina B1, deoksinivalenola, zearalenona i fumonizina B1 i B2 u hrani, isključujući hranu za dojenčad i malu djecu, metodom HPLC-MS/MS

FprEN 17280 en
Foodstuffs – Determination of zearalenone and trichothecenes including deoxynivalenol (DON) and its acetylated derivatives (3-acetyl-DON and 15-acetyl-DON), nivalenol (NIV) and T-2 and HT-2 toxin in cereals and cereal products by LC-MS/MS
Namirnice – Određivanje zearalenona i trihotecena uključujući deoksinivalenol (DON) i njegove acetilirane derivate (3-acetil-deoksinivalenol i 15-acetil-deoksinivalenol), nivalenol (NIV) i toksin T-2 i HT-2 u žitaricama i proizvodima od žitarica metodom LC-MS/MS

prEN ISO 18862 en
Coffee and coffee products – Determination of acrylamide – Methods using HPLC-MS/MS and GC-MS after derivatization (ISO 18862:2016)

prEN ISO 21572 en
Foodstuffs – Molecular biomarker analysis – Protein-based methods (ISO/DIS 21572:2019)
Hrana – Analiza molekularnim biomarkerima – Metode temeljene na proteinu (ISO/DIS 21572:2019)

HZN/TO 569, Hrana za životinje

prEN 15741 en
Animal feeding stuffs: Methods of sampling and analysis – Determination of OCPs and PCBs by GC/MS

prEN 15742 en
Animal feeding stuffs: Methods of sampling and analysis – Determination of OCPs by GC/ECD

prEN 16215 en
Animal feeding stuffs: Methods of sampling and analysis – Determination of dioxins and dioxin-like PCBs by GC/HRMS and of indicator PCBs by GC/HRMS

FprEN 17256 en
Animal feeding stuffs: Methods of sampling and analysis – Determination of ergot alkaloids and tropane alkaloids in feed materials and compound feeds by LC-MS/MS

FprEN 17270 en

Animal feeding stuffs: Methods of sampling and analysis – Determination of theobromine in feed materials and compound feed, including cocoa derived ingredients, by liquid chromatography – Complementary element

FprEN 17294 en

Animal feeding stuffs: Methods of sampling and analysis – Determination of organic acids by Ion Chromatography with Conductivity Detection (IC-CD)
Hrana za životinje – Metode uzorkovanja i analize – Određivanje organskih kiselina ionskom kromatografijom s utvrđivanjem vodljivosti (IC-CD)

FprEN 17298 en

Animal feeding stuffs: Methods of sampling and analysis – Determination of benzoic and sorbic acid by High Pressure Liquid Chromatography (HPLC)
Hrana za životinje – Metode uzorkovanja i analize – Određivanje benzojeve i sorbinske kiseline tekućinskom kromatografijom visokog učinka (HPLC)

FprEN 17299 en

Animal feeding stuffs: Methods of sampling and analysis – Screening and determination of authorized coccidiostats at additive and 1 % and 3 % cross-contamination level, and of non-registered coccidiostats and of one antibiotic at sub-additive levels, in compound feed with High Performance Liquid Chromatography – Tandem Mass Spectrometry detection (LC-MS/MS)
Hrana za životinje: Metode uzorkovanja i analize – Provjera i određivanje odobrenih kokcidiostata na razini aditiva i unakrsne kontaminacije 1 % i 3 % te neregistriranih kokcidiostata i jednog antibiotika na razini nižoj od aditiva u krmnim smjesama tekućinskom kromatografijom visokog učinka sa spektrometrijom mase (LC-MS/MS)

prEN 17362 en

Animal feeding stuffs: Methods of sampling and analysis – Determination of pentachlorophenol (PCP) in feed materials and compound feed by LC-MS/MS

prEN 17374 en

Animal feeding stuffs: Methods of sampling and analysis – Determination of inorganic arsenic in animal feed by anion-exchange HPLC-ICPMS

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

EN 1651:2018/prA1 en

Paragliding equipment – Harnesses – Safety requirements and strength tests
Oprema za paraglajding – Sigurnosno remenje – Zahtjevi za sigurnost i ispitivanje izdržljivosti

EN 12491:2015/prA1:2019 en

Paragliding equipment – Emergency parachutes – Safety requirements and test methods
Oprema za paraglajding – Rezervni padobrani – Sigurnosni zahtjevi i metode ispitivanja

HZN/TO E9, Električna oprema za željeznicu

CLC/FprTS 50238-3:2019 en

Railway applications – Compatibility between rolling stock and train detection systems – Part 3: Compatibility with axle counters
Željeznički sustav – Kompatibilnost između željezničkih vozila i sustava detekcije vlaka – 3. dio: Kompatibilnost s brojačima osovina

prEN 50546:2019 en

Railway applications – Rolling Stock – Three phase shore (external) supply system and connectors for rail vehicles
Željeznički sustav – Željeznička vozila – Trofazni vanjski sustav napajanja za željeznička vozila

prEN 50702:2019 en

Railway applications – Rolling stock – Third rail current collectors (shoegear): Characteristics and tests

HZN/TO E10, Fluidi za primjenu u elektrotehnici

FprEN IEC 63012:2019 en

Insulating liquids – Unused modified or blended esters for electrotechnical applications (IEC 63012:2019)
Izolacijske tekućine – Nekorišteni modificirani esteri ili mješavine estera za primjenu u elektrotehnici (IEC 63012:2019)

HZN/TO E14, Energetski transformatori

prEN IEC 60076-22-7:2019 en

Power transformers – Part 22-7: Power transformer and reactor fittings – Accessories and fittings (IEC 60076-22-7:201X)

HZN/TO E15, Čvrsti elektrotehnički izolacijski materijali

prEN IEC 60455-3-8:2019 en

Resin based reactive compounds used for electrical insulation – Part 3: Specifications for individual materials – Sheet 8: Resins for cable accessories (IEC 60455-3-8:201X)
Reaktivne mješavine na bazi smola koje se upotrebljavaju za električne izolacije – 3. dio: Specifikacije za pojedinačne materijale – 8. list: Smole za kabelski pribor (IEC 60455-3-8:201X)

HZN/TO E17, Sklopni i upravljački uređaji

prEN IEC 62271-104:2019 en

High-voltage switchgear and controlgear – Part 104: Alternating current switches for rated voltages higher than 52 kV (IEC 62271-104:201X)
Visokonaponska sklopna aparatura – 104. dio: Sklopke izmjenične struje za nazivne napone 52 kV i više (IEC 62271-104:201X)

prEN IEC 62271-106:2019 en

High-voltage switchgear and controlgear – Part 106: Alternating current contactors, contactor-based controllers and motor-starters (IEC 62271-106:201X)
Visokonaponska sklopna aparatura – 106. dio: Visokonaponski sklopnici izmjenične struje i motorski pokretači zasnovani na sklopnicima (IEC 62271-106:201X)

HZN/TO E31, Eksplozivne atmosfere

prEN 15188 en

Determination of the spontaneous ignition behaviour of dust accumulations
Određivanje svojstava samozapaljenja taložene prašine

HZN/TO E34, Žarulje, svjetiljke i pripadna oprema

EN 60061-1:1993/prA60:2019 en

Lamp caps and holders together with gauges for the control of interchangeability and safety – Part 1: Lamps Caps (IEC 60061-1:1969/am60:201X)
Podnošci i grla za žarulje, granična mjerila za kontrolu zamjenjivosti i sigurnosti – 1. dio: Podnošci za žarulje (IEC 60061-1:1969/am60:201X)

EN 60061-2:1993/prA55:2019 en

Lamp caps and holders together with gauges for the control of interchangeability and safety – Part 2: Lampholders (IEC 60061-2:1969/am55:201X)
Podnošci i grla za žarulje, granična mjerila za kontrolu zamjenjivosti i sigurnosti – 2. dio: Grla za žarulje (IEC 60061-2:1969/am55:201X)

EN 60061-3:1993/prA57:2019 en

Lamp caps and holders together with gauges for the control of interchangeability and safety – Part 3: Gauges (IEC 60061-3:1969/am57:201X)
Podnošci i grla za žarulje, granična mjerila za kontrolu zamjenjivosti i sigurnosti – 3. dio: Granična mjerila (IEC 60061-3:1969/am57:201X)

HZN/TO E44, Elektrotehnička sigurnost strojeva

prEN IEC 62061 en

Safety of machinery – Functional safety of safety-related control systems (IEC 62061:201X)

HZN/TO E55, Žice za namote

EN 60317-20:2014/prA1:2018 en

Specifications for particular types of winding wires – Part 20: Solderable polyurethane enamelled round copper wire, class 155 (IEC 60317-20:2013/am1:201X)
Specifikacije pojedinih vrsta žica za namote – 20. dio: Poliuretanom lakirana lemljiva okrugla bakrena žica, razreda 155 (IEC 60317-20:2013/am1:201X)

EN 60317-21:2014/prA1:2018 en
Specifications for particular types of winding wires – Part 21: Solderable polyurethane enamelled round copper wire overcoated with polyamide, class 155 (IEC 60317-21:2013/am1:201X)
Specifikacije pojedinih vrsta žica za namote – 21. dio: Poliuretanom lakirana lemljiva okrugla bakrena žica, prekrivena poliamidom, razreda 155 (IEC 60317-21:2013/am1:201X)

EN 60317-23:2014/prA1:2018 en
Specifications for particular types of winding wires – Part 23: Solderable polyesterimide enamelled round copper wire, class 180 (IEC 60317-23:2013/am1:201X)
Specifikacije pojedinih vrsta žica za namote – 23. dio: Poliesterimidom lakirana lemljiva okrugla bakrena žica, razreda 180 (IEC 60317-23:2013/am1:201X)

EN 60317-35:2014/prA1:2018 en
Specifications for particular types of winding wires – Part 35: Solderable polyurethane enamelled round copper wire, class 155, with a bonding layer (IEC 60317-35:2013/am1:201X)
Specifikacije pojedinih vrsta žica za namote – 35. dio: Poliuretanom lakirana lemljiva okrugla bakrena žica, razreda 155, s vezivnim slojem (IEC 60317-35:2013/am1:201X)

EN 60317-36:2014/prA1:2018 en
Specifications for particular types of winding wires – Part 36: Solderable polyesterimide enamelled round copper wire, class 180, with a bonding layer (IEC 60317-36:2013/am1:201X)
Specifikacije pojedinih vrsta žica za namote – 36. dio: Poliesterimidom lakirana lemljiva okrugla bakrena žica, razreda 180, s vezivnim slojem (IEC 60317-36:2013/am1:201X)

EN 60317-55:2014/prA1:2018 en
Specifications for particular types of winding wires – Part 55: Solderable polyurethane enamelled round copper wire overcoated with polyamide, class 180 (IEC 60317-55:2013/am1:201X)
Specifikacije pojedinih vrsta žica za namote – 55. dio: Poliuretanom lakirana okrugla bakrena lemljiva žica prekrivena poliamidom, razreda 180 (IEC 60317-55:2013/am1:201X)

EN 60317-68:2017/prA1:2018 en
Specifications for particular types of winding wires – Part 68: Polyvinyl acetal enamelled rectangular aluminium wire, class 120 (IEC 60317-68:2017/am1:201X)
Specifikacije pojedinih vrsta žica za namote – 68. dio: Polivinil acetalom lakirana profilna aluminijska žica, razreda 120 (IEC 60317-68:2017/am1:201X)

EN 60851-2:2009/prA2:2018 en
Winding wires – Test methods – Part 2: Determination of dimensions (IEC 60851-2:2009/am2:201X)
Žice za namote – Ispitne metode – 2. dio: Određivanje dimenzija (IEC 60851-2:2009/am2:201X)

EN 60851-3:2009/prA2:2018 en
Winding wires – Test methods – Part 3: Mechanical properties (IEC 60851-3:2009/am2:201X)
Žice za namote – Ispitne metode – 3. dio: Mehanička svojstva (IEC 60851-3:2009/am2:201X)

HZN/TO E56, Pouzdanost

FprEN IEC 62402:2019 en
Obsolescence management (IEC 62402:201X)
Upravljanje starenjem opreme (IEC 62402:201X)

HZN/TO E62, Električna oprema u medicinskoj praksi

prEN IEC 61223-3-6:2019 en
Evaluation and routine testing in medical imaging departments – Part 3-6 Acceptance and Constancy tests – Imaging performance of mammographic tomosynthesis mode of operation of mammographic X-Ray equipment (IEC 61223-3-6:201X)

HZN/TO E64, Električne instalacije i zaštita od električnog udara

HD 60364-5-54:2011/prA1:2019 en
Low-voltage electrical installations – Part 5-54: Selection and erection of electrical equipment – Earthing arrangements and protective conductors (IEC 60364-5-54:2011/am1:201X)
Niskonaponske električne instalacije – Dio 5-54: Odabir i ugradnja električne opreme – Uzemljenja i zaštitni vodiči (IEC 60364-5-54:2011/am1:201X)

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

prEN IEC 62828-4:2019 en
Reference conditions and procedures for testing industrial and process measurement transmitters – Part 4: Specific procedures for level transmitters (IEC 62828-4:201X)

prEN IEC 62828-5:2019 en
Reference conditions and procedures for testing Industrial and process measurement transmitters – Part 5: Specific procedures for flow transmitters (IEC 62828-5:201X)

HZN/TO E78, Rad pod naponom

prEN IEC 61243-1:2019 en
Live working – Voltage detectors – Part 1: Capacitive type to be used for voltages exceeding 1 kV a.c. (IEC 61243-1:201X)
Rad pod naponom – Indikatori napona – 1. dio: Kapacitivno dijelilo za uporabu na izmjeničnim naponima iznad 1 kV (IEC 61243-1:201X)

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

prEN IEC 61108-5:2019 en
Maritime navigation and radiocommunication equipment and systems – Global navigation satellite systems (GNSS) – Part 5: BeiDou navigation satellite system (BDS) – Receiver equipment – Performance requirements, methods of testing and required test results (IEC 61108-5:201X)

prEN IEC 61924-2:2019 en
Maritime navigation and radiocommunication equipment and systems – Integrated navigation systems – Part 2: Modular structure for INS – Operational and performance requirements, methods of testing and required test results (IEC 61924-2:201X)
Pomorska navigacijska i radiokomunikacijska oprema i sustavi – Integrirani navigacijski sustavi (INS) – 2. dio: Modularno ustrojstvo INS-a – Radni i izvedbeni zahtjevi, metode ispitivanja i zahtijevani rezultati ispitivanja (IEC 61924-2:201X)

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

prEN 50699:2019 en
Recurrent Test of Electrical Equipment

prEN IEC 61557-11:2019 en
Electrical safety in low voltage distribution systems up to 1000 V a.c. and 1500 V d.c. – Equipment for testing, measuring or monitoring of protective measures – Part 11: Effectiveness of residual current monitors (RCMs) type A and type B in TT, TN and IT systems (IEC 61557-11:201X)
Električna sigurnost u niskonaponskim distribucijskim sustavima do 1000 V izmjenične struje i 1500 V istosmjernje struje – Oprema za ispitivanje, mjerenje ili nadzor zaštite – 11. dio: Učinkovitost monitora diferencijalne struje (RCMs) tipa A i tipa B u TT, TN i IT sustavima (IEC 61557-11:201X)

HZN/TO Z1, Informacijska tehnologija

prEN 16234-1:2019 en
e-Competence Framework (e-CF) – A common European Framework for ICT Professionals in all industry sectors – Part 1: Framework

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

EN ISO 8654:2018/prA1 en
Jewellery – Colours of gold alloys – Definition, range of colours and designation (ISO 8654:2018/DAM 1:2019)
Nakit – Boje legura zlata – Definicija, raspon boja i označavanje (ISO 8654:2018/DAM 1:2019)

prEN ISO 22313 en
Security and resilience – Business continuity management systems – Guidance (ISO/DIS 22313:2019)
Društvena sigurnost – Sustav upravljanja neprekidnim poslovanjem – Upute (ISO/DIS 22313:2019)

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

- prEN ISO 276 en
Binders for paints and varnishes – Linseed stand oil – Requirements and methods of test (ISO/DIS 276:2019)
Veziva za boje i lakove – Laneno stand ulje – Zahtjevi i metode ispitivanja (ISO/DIS 276:2019)
- prEN ISO 787-13 en
General methods of test for pigments and extenders – Part 13: Determination of water-soluble sulfates, chlorides and nitrates (ISO/FDIS 787-13:2019)
Opće metode ispitivanja pigmenta i punila – 13. dio: Određivanje u vodi topljivih sulfata, klorida i nitrata (ISO/FDIS 787-13:2019)
- prEN ISO 787-15 en
General methods of test for pigments and extenders – Part 15: Comparison of resistance to light of coloured pigments of similar types (ISO/FDIS 787-15:2019)
Opće metode ispitivanja pigmenta i punila – 15. dio: Određivanje svjetlostabilnosti sličnih tipova obojenih pigmenta (ISO/FDIS 787-15:2019)
- EN ISO 787-17:2019 en
General methods of test for pigments and extenders – Part 17: Comparison of lightening power of white pigments (ISO 787-17:2019)
Opće metode ispitivanja pigmenta i punila – 17. dio: Usporedba sposobnosti posvjetljivanja bijelih pigmenta (ISO 787-17:2019)
- prEN 927-7 en
Paints and varnishes – Coating materials and coating systems for exterior wood – Part 7: Assessment of knot staining resistance of wood coatings
- prEN 927-11 en
Paints and varnishes – Coating materials and coating systems for exterior wood – Part 11: Assessment of air inclusions/microfoam in coating films
Boje i lakovi – Premazna sredstva i premazni sustavi za drvo na vanjskim prostorima – 11. dio: Ocjenjivanje prisutnosti zraka/mikropjene u filmovima premaza
- FprEN ISO 1518-1 en
Paints and varnishes – Determination of scratch resistance – Part 1: Constant-loading method (ISO/FDIS 1518-1:2019)
Boje i lakovi – Određivanje otpornosti na grebenje – 1. dio: Metoda konstantnog opterećenja (ISO/FDIS 1518-1:2019)
- FprEN ISO 1518-2 en
Paints and varnishes – Determination of scratch resistance – Part 2: Variable-loading method (ISO/FDIS 1518-2:2019)
Boje i lakovi – Određivanje otpornosti na grebenje – 2. dio: Metoda promjenjivog opterećenja (ISO/FDIS 1518-2:2019)
- FprEN ISO 2431 en
Paints and varnishes – Determination of flow time by use of flow cups (ISO/FDIS 2431:2019)
Boje i lakovi – Određivanje vremena istjecanja s pomoću posuda za istjecanje (ISO/FDIS 2431:2019)
- FprEN ISO 2808 en
Paints and varnishes – Determination of film thickness (ISO/FDIS 2808:2019)
Boje i lakovi – Određivanje debljine filma (ISO/FDIS 2808:2019)
- EN ISO 2812-3:2019 en
Paints and varnishes – Determination of resistance to liquids – Part 3: Method using an absorbent medium (ISO 2812-3:2019)
Boje i lakovi – Određivanje otpornosti na kapljevine – 3. dio: Metoda primjenom apsorpcijskog sredstva (ISO 2812-3:2019)
- prEN ISO 3233-1 en
Paints and varnishes – Determination of percentage volume of non-volatile matter – Part 1: Method using a coated test panel to determine non-volatile matter and to determine dry film density by the Archimedes principle (ISO/DIS 3233-1:2019)
Boje i lakovi – Određivanje volumnog postotka nehlapljivih tvari – 1. dio: Metoda s upotrebom presvučene ispitne ploče za određivanje nehlapljivih tvari i određivanje gustoće suhog filma po Arhimedovom načelu (ISO/DIS 3233-1:2019)
- FprEN ISO 3233-2 en
Paints and varnishes – Determination of the percentage volume of non-volatile matter – Part 2: Method using the determination of non-volatile-matter content in accordance with ISO 3251 and determination of dry film density on coated test panels by the Archimedes principle (ISO/FDIS 3233-2:2019)
Boje i lakovi – Određivanje volumnog postotka nehlapljivih tvari – 2. dio: Metoda određivanja sadržaja nehlapljivih tvari u skladu s normom ISO 3251 i određivanje gustoće suhog filma na presvučenim ispitnim pločama po Arhimedovom načelu (ISO/FDIS 3233-2:2019)
- FprEN ISO 3251 en
Paints, varnishes and plastics – Determination of non-volatile-matter content (ISO/FDIS 3251:2019)
Boje, lakovi i plastike – Određivanje sadržaja nehlapljivih tvari (ISO/FDIS 3251:2019)
- prEN ISO 6504-3 en
Paints and varnishes – Determination of hiding power – Part 3: Determination of hiding power of paints for masonry and concrete (ISO/DIS 6504-3:2018)
- prEN ISO 8504-1 en
Preparation of steel substrates before application of paints and related products – Surface preparation methods – Part 1: General principles (ISO/DIS 8504-1:2018)
Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Metode pripreme površina – 1. dio: Opća načela (ISO/DIS 8504-1:2018)
- prEN ISO 8504-2 en
Preparation of steel substrates before application of paints and related products – Surface preparation methods – Part 2: Abrasive blast-cleaning (ISO/DIS 8504-2:2018)
Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Metode pripreme površina – 2. dio: Čišćenje mlazom abraziva (ISO/DIS 8504-2:2018)
- prEN ISO 9514 en
Paints and varnishes – Determination of the pot life of multicomponent coating systems – Preparation and conditioning of samples and guidelines for testing (ISO/FDIS 9514:2019)
Boje i lakovi – Određivanje uporabnog vremena mješavine višekomponentnih prekrivnih sustava – Priprema i kondicioniranje uzoraka i smjernice za ispitivanje (ISO/FDIS 9514:2019)
- prEN ISO 10123 en
Adhesives – Determination of shear strength of anaerobic adhesives using pin-and-collar specimens (ISO 10123:2013)
Adhezivi – Određivanje smične čvrstoće anaerobnih adheziva primjenom pin and collar uzoraka (ISO 10123:2013)
- prEN ISO/CIE 11664-1 en
Colorimetry – Part 1: CIE standard colorimetric observers (ISO/CIE/FDIS 11664-1:2019)
Kolorimetrija – 1. dio: CIE standard kolorimetrijskih opazača (ISO/CIE/FDIS 11664-1:2019)
- prEN ISO/CIE 11664-3 en
Colorimetry – Part 3: CIE tristimulus values (ISO/CIE/FDIS 11664-3:2019)
Kolorimetrija – 3. dio: CIE tristimulus vrijednosti (ISO/CIE/FDIS 11664-3:2019)
- prEN ISO/CIE 11664-4 en
Colorimetry – Part 4: CIE 1976 L*a*b* Colour space (ISO/CIE/FDIS 11664-4:2019)
Kolorimetrija – 4. dio: CIE 1976 L*a*b* prostor boje (ISO/CIE/FDIS 11664-4:2019)
- prEN ISO 11890-2 en
Paints and varnishes – Determination of volatile organic compound (VOC) content – Part 2: Gas-chromatographic method (ISO/DIS 11890-2)
Boje i lakovi – Određivanje sadržaja hlapljivih organskih tvari (VOC) – 2. dio: Metoda plinske kromatografije (ISO/DIS 11890-2)
- prEN ISO 13076 en
Paints and varnishes – Lighting and procedure for visual assessments of coatings (ISO/DIS 13076:2019)
Boje i lakovi – Rasvjeta i postupak za vizualnu procjenu premaza (ISO/DIS 13076:2019)

- FprEN 13523-11 en
Coil coated metals – Test methods – Part 11: Resistance to solvents (rubbing test)
Metali zaštićeni trakom – Metode ispitivanja – 11. dio: Otpornost na otapala (ispitivanje trljanjem)
- FprEN 13523-17 en
Coil coated metals – Test methods – Part 17: Adhesion of strippable films
Metali zaštićeni trakom – Metode ispitivanja – 17. dio: Pionljivost gulivih filmova
- FprEN 13523-19 en
Coil coated metals – Test methods – Part 19: Panel design and method of atmospheric exposure testing
Metali zaštićeni trakom – Metode ispitivanja – 19. dio: Izrada ploča i metoda ispitivanja izlaganjem atmosferskim uvjetima
- prEN 14103 en
Fat and oil derivatives – Fatty Acid Methyl Esters (FAME) – Determination of ester and linolenic acid methyl ester contents
Derivati masti i ulja – Metilni esteri masnih kiselina – Određivanje estera i sadržaja metilnih estera linolenske kiseline
- FprEN 14257 en
Adhesives – Wood adhesives – Determination of tensile strength of lap joints at elevated temperature (WATT '91)
Adhezivi – Adhezivi za drvo – Određivanje zatezne čvrstoće preklonih spojeva na povišenoj temperaturi (WATT '91)
- FprEN 16074 en
Paints and varnishes – Determination of non-volatile-matter content and spreading rate of coil coating materials
Boje i lakovi – Određivanje udjela nehlapivih tvari i brzine prskanja materijala zaštićenih trakom
- FprEN ISO 17059 en
Oilseeds – Extraction of oil and preparation of methyl esters of triglyceride fatty acids for analysis by gas chromatography (Rapid method) (ISO/FDIS 17059:2019)
Uljarice – Ekstrakcija ulja i priprava metil estera triglicerida masnih kiselina za analizu plinskom kromatografijom (Brza metoda) (ISO/FDIS 17059:2019)
- prEN 17333-1 en
Characterization of One Component Foam (OCF) – Part 1: Yield
- prEN 17333-2 en
Characterization of One Component Foam (OCF) – Part 2: Expansion
- prEN 17333-3 en
Characterization of One Component Foam (OCF) – Part 3: Application
- prEN 17333-4 en
Characterization of One Component Foam (OCF) – Part 4: Mechanical strength
- prEN 17333-5 en
Characterization of One Component Foam (OCF) – Part 5: Insulation
- prEN 17334 en
Glued-in rods in glued structural timber products – Testing, requirements and bond shear strength classification
- prEN 17351 en
Bio-based products – Determination of the oxygen content using an elemental analyser
- FprEN ISO 17872 en
Paints and varnishes – Guidelines for the introduction of scribe marks through coatings on metallic panels for corrosion testing (ISO/FDIS 17872:2019)
Boje i lakovi – Smjernice za urezivanje oznaka kroz prevlake na metalnim pločicama pri ispitivanju na koroziju (ISO/FDIS 17872:2019)
- prEN ISO 18473-3 en
Functional pigments and extenders for special application – Part 3: Fumed silica for silicone rubber application (ISO 18473-3:2018)
- EN ISO 29862:2019 en
Self adhesive tapes – Determination of peel adhesion properties (ISO 29862:2018)
Samoljepive trake – Određivanje piling svojstava prijanjanja (ISO 29862:2018)
- EN ISO 29863:2019 en
Self adhesive tapes – Measurement of static shear adhesion (ISO 29863:2018)
Samoljepive trake – Mjerenje statičkog smicanja prijanjanja (ISO 29863:2018)
- EN ISO 29864:2019 en
Self adhesive tapes – Measurement of breaking strength and elongation at break (ISO 29864:2018)
Samoljepive trake – Mjerenje čvrstoće pucanja i produženja na mjestu pucanju (ISO 29864:2018)
- prEN ISO/ASTM 52903-2 en
Additive manufacturing – Standard specification for material extrusion based additive manufacturing of plastic materials – Part 2: Process – Equipment (ISO/ASTM/DIS 52903-2:2018)
- prEN ISO/ASTM 52910 en
Additive manufacturing – Design – Requirements, guidelines and recommendations (ISO/ASTM 52910:2018)
- HZN/TU I2, Strojarstvo 2**
- EN 16228-1:2014/prA1 en
Drilling and foundation equipment – Safety – Part 1: Common requirements
Oprema za bušenje i izradu temelja – Sigurnost – 1. dio: Opći zahtjevi
- EN 16228-2:2014/prA1 en
Drilling and foundation equipment – Safety – Part 2: Mobile drill rigs for civil and geotechnical engineering, quarrying and mining
Oprema za bušenje i izradu temelja – Sigurnost – 2. dio: Pokretne bušilice za graditeljstvo i geotehničko inženjerstvo, kamenolome i rudarstvo
- EN 16228-3:2014/prA1 en
Drilling and foundation equipment – Safety – Part 3: Horizontal directional drilling equipment (HDD)
Oprema za bušenje i izradu temelja – Sigurnost – 3. dio: Horizontalno usmjerena oprema za bušenje (HDD)
- EN 16228-4:2014/prA1 en
Drilling and foundation equipment – Safety – Part 4: Foundation equipment
Oprema za bušenje i izradu temelja – Sigurnost – 4. dio: Oprema za izradu temelja
- EN 16228-5:2014/prA1 en
Drilling and foundation equipment – Safety – Part 5: Diaphragm walling equipment
Oprema za bušenje i izradu temelja – Sigurnost – 5. dio: Oprema za membranske zidove
- EN 16228-6:2014/prA1 en
Drilling and foundation equipment – Safety – Part 6: Jetting; grouting and injection equipment
Oprema za bušenje i izradu temelja – Sigurnost – 6. dio: Oprema za mlazno nanošenje i ubrizgavanje
- EN 16228-7:2014/prA1 en
Drilling and foundation equipment – Safety – Part 7: Interchangeable auxiliary equipment
Oprema za bušenje i izradu temelja – Sigurnost – 7. dio: Zamjenjiva pomoćna oprema
- prEN ISO 21178 en
Light conveyor belts – Determination of electrical resistances (ISO/DIS 21178:2019)
- prEN ISO 23495 en
Industrial furnaces and associated processing equipment – Safety requirements for steel converter and associated equipment (ISO/DIS 23495:2019)
- HZN/TU S1, Zdravlje, okoliš i medicinska oprema 1**
- EN ISO 3964:2016/prA1 en
Dentistry – Coupling dimensions for handpiece connectors – Amendment 1: Interface dimensions

prEN ISO 8362-1 en
Injection containers and accessories – Part 1: Injection vials made of glass tubing (ISO 8362-1:2018)
Posude za injekcije i pribor – 1. dio: Injekcijske bočice od cijevnog stakla (ISO 8362-1:2018)

prEN ISO 9997 en
Dentistry – Cartridge syringes (ISO/DIS 9997:2019)

prEN ISO 10271 en
Dentistry – Corrosion test methods for metallic materials (ISO/DIS 10271:2019)
Stomatologija – Metode ispitivanja korozije za metalne materijale (ISO/DIS 10271:2019)

prEN ISO 20888 en
Dentistry – Terminology for forensic oro-dental data (ISO/DIS 20888:2019)

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

FprEN 2125 en
Aerospace series – Aluminium alloy Al-P16 – T6151 – Plates 6 mm < a ≤ 120 mm

prEN 2390 en
Aerospace series – Aluminium alloy 6082-T6 – Tubes for structures 0, 6 mm ≤ a ≤ 12, 5 mm

FprEN 2885 en
Aerospace series – Screws, pan head, offset cruciform recess, coarse tolerance normal shank, short thread, in alloy steel, cadmium plated – Classification : 900 MPa (at ambient temperature) / 235 °C
Zrakoplovstvo – Vijci, s ravnom glavom, s ujednačenim križnim urezom, normalnog struka grube tolerancije, kratki navoj, od legure čelika, prevučeni kadmijem – Klasifikacija: 900 MPa (pri temperaturi okoline)/235 °C

FprEN 2886 en
Aerospace series – Screws, pan head, offset cruciform recess, close tolerance normal shank, short thread, in alloy steel, cadmium plated – Classification: 900 MPa (at ambient temperature)/235 °C
Zrakoplovstvo – Vijci, s ravnom glavom, s ujednačenim križnim urezom, normalni struk uske tolerancije, kratki navoj, od legure čelika, prevučeni kadmijem – Klasifikacija: 900 MPa (pri temperaturi okoline)/235 °C

FprEN 2943 en
Aerospace series – Inserts, MJ and M screw threads, helical coil – Technical specification

prEN 3155-076 en
Aerospace series – Electrical contacts used in elements of connection – Part 076: Contacts, electrical, male, type A, crimp, class R – Product standard
Zrakoplovstvo – Električni kontakti koji se upotrebljavaju u elementima za povezivanje – 076. dio: Kontakti, električni, muški, tip A, za krimpiranje, razreda R – Norma za proizvod

FprEN 3155-077 en
Aerospace series – Electrical contacts used in elements of connection – Part 077: Contacts, electrical, female, type A, crimp, class R – Product standard
Zrakoplovstvo – Električni kontakti koji se upotrebljavaju u elementima za povezivanje – 077. dio: Kontakti, električni, ženski, tip A, za krimpiranje, razreda R – Norma za proizvod

prEN 3155-081 en
Aerospace series – Electrical contacts used in elements of connection – Part 081: Contacts size 22 for EN 2997, electrical, female, type A, crimp, class T – Product standard
Zrakoplovstvo – Električni kontakti koji se upotrebljavaju u elementima za povezivanje – Dio 081: Kontakti veličine 22 za normu EN 2997, električni, ženski, tip A, za krimpiranje, razreda T – Norma za proizvod

prEN 3666 en
Aerospace series – Heat resisting alloy NI-PH2601 – Solution treated and cold worked – Bar for forged fasteners – D ≤ 50 mm – 1 550 MPa ≤ Rm ≤ 1 830 MPa

EN ISO 3691-5:2015/prA2 en
Industrial trucks – Safety requirements and verification – Part 5: Pedestrian-propelled trucks (ISO 3691-5:2014/DAMd 2:2019)
Industrijska vozila – Sigurnosni zahtjevi i verifikacija – 5. dio: Viličari pogonjeni guranjem (ISO 3691-5:2014/DAMd 2:2019)

prEN 3745-404 en
Aerospace series – Fibres and cables, optical, aircraft use – Test methods – Part 404: Thermal shock
Zrakoplovstvo – Vlakna i kabeli, optički, za zrakoplove – Metode ispitivanja – 404. dio: Toplinski šok

prEN 3761 en
Aerospace series – Heat resisting alloy FE-PA2601 – Softened and cold worked – Bar for forged fasteners – D ≤ 50 mm – 1 100 MPa ≤ Rm ≤ 1 300 MPa

FprEN 3847 en
Aerospace series – Paints and varnishes – Determination of sedimentation rating

FprEN 4234 en
Aerospace series – Clamps, worm drive – Dimensions, masses
Zrakoplovstvo – Stege, pužni pogon – Dimenzije i mase

prEN 4604-003 en
Aerospace series – Cable, electrical, for signal transmission – Part 003: Cable, coaxial, 50 Ohm, 200 °C, type WZ – Product standard
Zrakoplovstvo – Kabel, električni, za prijenos signala – 003. dio: Kabel, koaksijalni, 50 ohm, 200 °C, tip WZ – Norma za proizvod

prEN 4609 en
Aerospace series – Spiral drive recesses for threaded fasteners – Geometrical definition and technical requirements

FprEN 4705 en
Aerospace series – Measurement methods regarding the lifetime behaviour of light units in a standardized aircraft-related environment

prEN 4708-107 en
Aerospace series – Sleeving, heat-shrinkable, for binding, insulation and identification – Part 107: Polytetrafluoroethylene (PTFE) – Operating temperatures – 65 °C to 260 °C – Product standard

prEN 4708-108 en
Aerospace series – Sleeving, heat-shrinkable, for binding, insulation and identification – Part 108: Limited fire hazard sleeving – Operating temperatures – 65 °C to 150 °C – Product standard

prEN 4827 rev en
Aerospace series – Hexavalent chromium free anodizing of aluminium and aluminium alloys
Zrakoplovstvo – Anodizacija aluminija i aluminijevih legura bez šesterovalentnog kroma

FprEN 7010 en
Aerospace series – Configuration master – Definition and designation of external threaded fastener product standards

EN 12312-3:2017/prA1 en
Aircraft ground support equipment – Specific requirements – Part 3: Conveyor belt vehicles
Oprema za zemaljsku podršku zrakoplovu – Posebni zahtjevi – 3. dio: Vozila s transportnom trakom

prEN 17350 en
SCM – Scheduling and Commanding Message – Standard

HZN/TU U1, *Opća elektrotehnika 1*

FprEN 50614 en
Requirements for the preparing for re-use of waste electrical and electronic equipment
Zahtjevi za pripremu za ponovnu uporabu otpadne električne i elektroničke opreme

FprEN IEC 60068-3-3:2019 en
Environmental testing – Part 3-3: Supporting documentation and guidance – Seismic test methods for equipment (IEC 60068-3-3:201X)
Ispitivanje utjecaja okoliša – Dio 3-3: Popratna dokumentacija i upute – Metode ispitivanja opreme na potrese (IEC 60068-3-3:201X)

prEN IEC 60695-5-1:2019 en
Fire hazard testing – Part 5-1: Corrosion damage effects of fire effluent – General guidance – “Proposed horizontal standard” (IEC 60695-5-1:201X)
Ispitivanje opasnosti od požara – Dio 5-1: Korozivni štetni učinci dima i plinova izgaranja – Opće upute (IEC 60695-5-1:201X)

- prEN IEC 60695-6-1:2019 en
Fire hazard testing – Part 6-1: Smoke obscuration – General guidance “Proposed horizontal standard” (IEC 60695-6-1:201X)
Ispitivanje opasnosti od požara – Dio 6-1: Dimno zamračenje – Opće upute (IEC 60695-6-1:201X)
- prEN IEC 60695-9-2:2019 en
Fire hazard testing – Part 9-2: Surface spread of flame – Summary and relevance of test methods – “Proposed horizontal standard” (IEC 60695-9-2:201X)
Ispitivanje opasnosti od požara – Dio 9-2: Površinsko širenje plamena – Sažetak i relevantnost metoda ispitivanja (IEC 60695-9-2:201X)
- EN IEC 60974-1:2018/A1:2019 en
Arc welding equipment – Part 1: Welding power sources (IEC 60974-1:2017/am1:2019)
Oprema za elektrolučno zavarivanje – 1. dio: Izvori napajanja za zavarivanje (IEC 60974-1:2017/am1:2019)
- prEN IEC 61788-4:2019 en
Superconductivity – Residual resistance ratio measurement – Residual resistance ratio of Nb-Ti and Nb3Sn composite superconductors (IEC 61788-4:201X)
Supravodljivost – Mjerenje omjera preostalog otpora – Omjer preostalog otpora Nb-Ti i Nb3Sn kompozitnih supravodiča (IEC 61788-4:201X)
- prEN IEC 62430:2018 en
Environmentally Conscious Design (ECD) – Principles, requirements and guidance (IEC 62430:201X)
Dizajn s obzirom na brigu o okolišu (ECD) – Načela, zahtjevi i smjernice (IEC 62430:201X)

HZN/TU V1, *Elektronika 1*

- prEN 50698:2019 en
Home and Building Electronic Systems (HBES) and BACS – Electrical safety and EMC requirements for radio equipment
- prEN IEC 60352-3:2019 en
Solderless connections – Part 3: Accessible insulation displacement (ID) connections – General requirements, test methods and practical guidance (IEC 60352-3:201X)
- prEN 60352-4:2019 en
Solderless connections – Part 4: Non-accessible insulation displacement (ID) connections – General requirements, test methods and practical guidance (IEC 60352-4:201X)
- prEN IEC 61169-1-4:2019 en
Radio-frequency connectors – Part 1-4: Electrical test methods- voltage standing wave ratio, return loss and reflection coefficient (IEC 61169-1-4:201X)
- prEN IEC 61169-15:2019 en
Radio-frequency connectors. Part 15: R.F. coaxial connectors with inner diameter of outer conductor 4.13 mm (0.163 in) with screw coupling – Characteristic impedance 50 ohms (Type SMA) (IEC 61169-15:201X)
- prEN IEC 61169-63:2019 en
Radio frequency connectors – Part 63: Sectional specification – RF coaxial connectors with inner diameter of outer conductor 6,5 mm (0,256 in) with bayonet lock – Characteristic impedance 75 ohms (type BNC) (IEC 61169-63:201X)
- prEN IEC 61701:2019 en
Salt mist corrosion testing of photovoltaic (PV) modules (IEC 61701:201X)
- prEN IEC 61757-4-3:2019 en
Fibre optic sensors – Part 4-3: Electric current measurement – Polarimetric method (IEC 61757-4-3:201X)
- prEN IEC 62435-7:2019 en
Long-term storage of electronic components – Part 7: Micro-electromechanical devices (IEC 62435-7:201X)
- EN 62788-1-6:2017/prA1:2019 en
Measurement procedures for materials used in photovoltaic modules – Part 1-6: Encapsulants – Test methods for determining the degree of cure in Ethylene-Vinyl Acetate (IEC 62788-1-6:2017/am1:201X)
- prEN IEC 63185:2019 en
Balanced-type circular disk resonator method to measure the complex permittivity of low-loss dielectric substrates (IEC 63185:201X)

HZN/TU W1, *Energetska elektrotehnika 1*

- FprEN 50342-2 en
Lead-acid starter batteries – Part 2: Dimensions of batteries and marking of terminals
Olovni akumulatori za pokretanje – 2. dio: Dimenzije akumulatora i označavanje stezaljki
- EN 61810-1:2015/prA1:2019 en
Electromechanical elementary relays – Part 1: General and safety requirements (IEC 61810-1:2015/am1:201X)
Elektromehanički osnovni releji – 1. dio: Opći i sigurnosni zahtjevi (IEC 61810-1:2015/am1:201X)

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 6, *Papir, karton i pulpe*

- HRN ISO 777:2011 en
Papir, karton i pulpe – Određivanje kalcija topljivog u kiselini (ISO 777:2005)
Paper, board and pulp – Determination of acid-soluble calcium (ISO 777:2005)
- zamijenjena s: HRN ISO 12830:2015
- HRN ISO 778:2011 en
Papir, karton i pulpe – Određivanje bakra topljivog u kiselini (ISO 778:2005)
Paper, board and pulp – Determination of acid-soluble copper (ISO 778:2005)
- zamijenjena s: HRN ISO 12830:2015
- HRN ISO 779:2011 en
Papir, karton i pulpe – Određivanje željeza topljivog u kiselini (ISO 779:2005)
Paper, board and pulp – Determination of acid-soluble iron (ISO 779:2005)
- zamijenjena s: HRN ISO 12830:2015
- HRN ISO 1830:2011 en
Papir, karton i pulpe – Određivanje mangana topljivog u kiselini (ISO 1830:2005)
Paper, board and pulps – Determination of acid-soluble manganese (ISO 1830:2005)
- zamijenjena s: HRN ISO 12830:2015
- HRN ISO 2493:2002 en
Papir i karton – Određivanje otpornosti prema savijanju (ISO 2493:1992)
Paper and board – Determination of resistance to bending (ISO 2493:1992)
- zamijenjena s: HRN ISO 2493-1:2015, HRN ISO 2493-2:2015
- HRN ISO 9668:2001 en
Pulpe – Određivanje sadržaja magnezija – Metoda plamene atomske apsorpcijske spektrofotometrije (ISO 9668:1990)
Pulps – Determination of magnesium content – Flame atomic absorption spectrometric method (ISO 9668:1990)
- zamijenjena s: HRN ISO 12830:2015
- HZN/TO 8, *Brodogradnja***
- HRN ISO 5894:2001 en
Brodovi i pomorska tehnologija – Provlake s poklopcem (ISO 5894:1999)
Ships and marine technology – Manholes with bolted covers (ISO 5894:1999)
- zamijenjena s: HRN ISO 5894:2019
- HRN ISO 17339:2004 en
Brodovi i pomorska tehnologija – Zavlačna sidra za plovila za preživljavanje i brodice za prikupljanje (ISO 17339:2002)
Ships and marine technology – Sea anchors for survival craft and rescue boats (ISO 17339:2002)
- zamijenjena s: HRN ISO 17339:2019

HZN/TO 21, Protupožarna i vatrogasna oprema

HRN EN 1568-1:2008/Ispr.1:2011 en
Sredstva za gašenje požara – Pjenila – 1. dio: Specifikacija pjenila za dobivanje pjene srednje ekspanzije za površinsku primjenu na tekućinama koje se ne miješaju s vodom (EN 1568-1:2008/AC:2010)
Fire extinguishing media – Foam concentrates – Part 1: Specification for medium expansion foam concentrates for surface application to water-immiscible liquids (EN 1568-1:2008/AC:2010)
- bez zamjene

HRN EN 1568-4:2008/Ispr.1:2011 en
Sredstva za gašenje požara – Pjenila – 4. dio: Specifikacija pjenila za dobivanje pjene niske ekspanzije za površinsku primjenu na tekućinama koje se miješaju s vodom (EN 1568-4:2008/AC:2010)
Fire extinguishing media – Foam concentrates – Part 4: Specification for low expansion foam concentrates for surface application to water-miscible liquids (EN 1568-4:2008/AC:2010)
- bez zamjene

HZN/TO 22, Cestovna vozila

HRN EN ISO 15118-1:2015 en
Cestovna vozila – Komunikacijsko sučelje između vozila i električne mreže – 1. dio: Opće informacije i definicija slučajeva uporabe (ISO 15118-1:2013; EN ISO 15118-1:2015)
Road vehicles – Vehicle to grid communication interface – Part 1: General information and use-case definition (ISO 15118-1:2013; EN ISO 15118-1:2015)
- zamijenjena s: HRN EN ISO 15118-1:2019

HZN/TO 28, Naftni proizvodi i maziva

HRN EN ISO 3405:2011 en
Naftni proizvodi – Određivanje značajki destilacije pri atmosferskom tlaku (ISO 3405:2011; EN ISO 3405:2011)
Petroleum products – Determination of distillation characteristics at atmospheric pressure (ISO 3405:2011; EN ISO 3405:2011)
- zamijenjena s: HRN EN ISO 3405:2019

HZN/TO 44, Zavarivanje i srodni postupci

HRN EN ISO 2553:2014 en
Zavarivanje i srodni postupci – Simboličko prikazivanje na crtežima – Zavareni spojevi (ISO 2553:2013; EN ISO 2553:2013)
Welding and allied processes – Symbolic representation on drawings – Welded joints (ISO 2553:2013; EN ISO 2553:2013)
- zamijenjena s: HRN EN ISO 2553:2019

HZN/TO 120, Koža i obuća

HRN EN ISO 17072-1:2011 en
Koža – Kemijsko određivanje sadržaja metala – 1. dio: Izlučivi metali (ISO 17072-1:2011; EN ISO 17072-1:2011)
Leather – Chemical determination of metal content – Part 1: Extractable metals (ISO 17072-1:2011; EN ISO 17072-1:2011)
- zamijenjena s: HRN EN ISO 17072-1:2019

HRN EN ISO 17072-2:2011 en
Koža – Kemijsko određivanje sadržaja metala – 2. dio: Ukupan sadržaj metala (ISO 17072-2:2011; EN ISO 17072-2:2011)
Leather – Chemical determination of metal content – Part 2: Total metal content (ISO 17072-2:2011; EN ISO 17072-2:2011)
- zamijenjena s: HRN EN ISO 17072-2:2019

HRN EN ISO 26082-1:2012 en
Koža – Fizikalne i mehaničke metode ispitivanja za određivanje zaprljanja – 1. dio: Metoda trljanja (Martindale) (ISO 26082-1:2012; EN ISO 26082-1:2012)
Leather – Physical and mechanical test method for the determination of soiling – Part 1: Rubbing (Martindale) method (ISO 26082-1:2012; EN ISO 26082-1:2012)
- zamijenjena s: HRN EN ISO 26082-1:2019

HZN/TO 135, Nerazorna ispitivanja

HRN EN 16016-1:2011 en,fr,de
Nerazorno ispitivanje – Metode zračenja – Računalna tomografija – 1. dio: Nazivlje (EN 16016-1:2011)
Non destructive testing – Radiation methods – Computed tomography – Part 1: Terminology (EN 16016-1:2011)
- zamijenjena s: HRN EN ISO 15708-1:2019

HRN EN 16016-2:2011 en
Nerazorno ispitivanje – Metode zračenja – Računalna tomografija – 2. dio: Načelo, oprema i uzorci (EN 16016-2:2011)
Non destructive testing – Radiation methods – Computed tomography – Part 2: Principle, equipment and samples (EN 16016-2:2011)
- zamijenjena s: HRN EN ISO 15708-2:2019

HRN EN 16016-3:2011 en
Nerazorno ispitivanje – Metode zračenja – Računalna tomografija – 3. dio: Provedba i tumačenje (EN 16016-3:2011)
Non destructive testing – Radiation methods – Computed Tomography – Part 3: Operation and interpretation (EN 16016-3:2011)
- zamijenjena s: HRN EN ISO 15708-3:2019

HZN/TO 136, Namještaj

HRN EN 527-2:2016 en
Uredski namještaj – Uredski radni stolovi – 2. dio: Zahtjevi za čvrstoću, trajnost i sigurnost (EN 527-2:2016)
Office furniture – Work tables – Part 2: Safety, strength and durability requirements (EN 527-2:2016)
- zamijenjena s: HRN EN 527-2:2019

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

HRN EN 1519-1:2004 en
Plastični cijevni sustavi za odvodnju onečišćenih i otpadnih voda (niske i visoke temperature) unutar građevinskih konstrukcija – Polietilen (PE) – 1. dio: Specifikacija za cijevi, spojnice i sustav (EN 1519-1:1999)
Plastics piping systems for soil and waste discharge (low and high temperature) within the building structure – Polyethylene (PE) – Part 1: Specifications for pipes, fittings and the system (EN 1519-1:1999)
- zamijenjena s: HRN EN 1519-1:2019

HZN/TO 146, Kvaliteta zraka

HRS CEN/TS 16868:2017 en
Vanjski zrak – Uzorkovanje i analiza polenskih zrnaca i gljivičnih spora u zraku za potrebe mreža koncentracije alergena – Volumetrijska Hirstova metoda (CEN/TS 16868:2015)
Ambient air – Sampling and analysis of airborne pollen grains and fungal spores for allergy networks – Volumetric Hirst method (CEN/TS 16868:2015)
- zamijenjena s: HRN EN 16868:2019

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

HRN EN ISO 12010:2014 en
Kvaliteta vode – Određivanje kratkolančanih polikloriranih alkana (SCCPs) u vodi – Metoda plinske kromatografije-spektrometrije masa (GC-MS) i kemijske ionizacije negativno nabijenim ionima (NCl) (ISO 12010:2012; EN ISO 12010:2014)
Water quality – Determination of short-chain polychlorinated alkanes (SCCPs) in water – Method using gas chromatography-mass spectrometry (GC-MS) and negative-ion chemical ionization (NCl) (ISO 12010:2012; EN ISO 12010:2014)
- zamijenjena s: HRN EN ISO 12010:2019

HZN/TO 167, Metalne konstrukcije

HRN EN 1090-3:2008 en
Izvedba čeličnih i aluminijskih konstrukcija – 3. dio: Tehnički zahtjevi za aluminijske konstrukcije (EN 1090-3:2008)
Execution of steel structures and aluminium structures – Part 3: Technical requirements for aluminium structures (EN 1090-3:2008)
- zamijenjena s: HRN EN 1090-3:2019

HZN/TO 181, Sigurnost igraćaka i proizvodi za djecu

HRN EN 71-3:2018 en
Sigurnost igraćaka – 3. dio: Otpuštanje određenih elemenata (EN 71-3:2013+A3:2018)
Safety of toys – Part 3: Migration of certain elements (EN 71-3:2013+A3:2018)
- zamijenjena s: HRN EN 71-3:2019

HZN/TO 207, Upravljanje okolišem

HRN EN ISO 14064-2:2012 en
Staklenički plinovi – 2. dio: Specifikacija sa smjernicama na razini projekta za kvantificiranje, praćenje i izvješćivanje o smanjivanju emisija ili povećanju uklanjanja stakleničkih plinova (ISO 14064-2:2006; EN ISO 14064-2:2012)
Greenhouse gases – Part 2: Specification with guidance at the project level for quantification, monitoring and reporting of greenhouse gas emission reductions or removal enhancements (ISO 14064-2:2006; EN ISO 14064-2:2012)
- zamijenjena s: HRN EN ISO 14064-2:2019

HRN EN ISO 14064-3:2012 en
Staklenički plinovi – 3. dio: Specifikacija sa smjernicama za validaciju i verifikaciju tvrdnji o stakleničkim plinovima (ISO 14064-3:2006; EN ISO 14064-3:2012)
Greenhouse gases – Part 3: Specification with guidance for the validation and verification of greenhouse gas assertions (ISO 14064-3:2006; EN ISO 14064-3:2012)
- zamijenjena s: HRN EN ISO 14064-3:2019

HZN/TO 215, Medicinska informatika

HRN EN ISO 11073-10425:2016 en
Medicinska informatika – Povezivost osobnoga medicinskog uređaja – 10425. dio: Namjena uređaja – Uređaj za kontinuirano praćenje koncentracije glukoze u krvi (ISO 11073-10425:2016; EN ISO 11073-10425:2016)
Health informatics – Personal health device communication – Part 10425: Device specialization – Continuous glucose monitor (CGM) (ISO 11073-10425:2016; EN ISO 11073-10425:2016)
- zamijenjena s: HRN EN ISO 11073-10425:2019

HZN/TO 502, Plinski uređaji

HRN EN 484:2000 en
Odredbe za aparate na ukapljeni naftni plin – Samostalni aparati za kuhanje (kuhala s pločom) na ukapljeni naftni plin, uključivo i s roštiljem, za primjenu na otvorenom (EN 484:1997)
Specification for dedicated liquefied petroleum gas appliances – Independent hotplates, including those incorporating a grill for outdoor use (EN 484:1997)
- zamijenjena s: HRN EN 484:2019

HRN EN 521:2008 en
Odredbe za aparate na ukapljeni naftni plin – Prenosivi aparati koji rade s tlakom parne faze ukapljenog naftnog plina (EN 521:2006)
Specifications for dedicated liquefied petroleum gas appliances – Portable vapour pressure liquefied petroleum gas appliances (EN 521:2006)
- zamijenjena s: HRN EN 521:2019

HZN/TO 503, Metalni materijali

HRN EN ISO 2376:2010 en
Anodizacija aluminija i aluminijevih legura – Određivanje električnoga probojnog napona (ISO 2376:2010; EN ISO 2376:2010)
Anodizing of aluminium and its alloys – Determination of electric breakdown potential (ISO 2376:2010; EN ISO 2376:2010)
- zamijenjena s: HRN EN ISO 2376:2019

HRN EN 10217-1/A1:2007 en
Zavarene čelične cijevi za tlačne namjene – Tehnički uvjeti isporuke – 1. dio: Cijevi od nelegiranih čelika s utvrđenim svojstvima pri sobnoj temperaturi (EN 10217-1:2002/A1:2005)
Welded steel tubes for pressure purposes – Technical delivery conditions – Part 1: Non-alloy steel tubes with specified room temperature properties (EN 10217-1:2002/A1:2005)
- zamijenjena s: HRN EN 10217-1:2019

HRN EN 10217-1:2003 en
Zavarene čelične cijevi za tlačne namjene – Tehnički uvjeti isporuke – 1. dio: Cijevi od nelegiranih čelika s utvrđenim svojstvima pri sobnoj temperaturi (EN 10217-1:2002)
Welded steel tubes for pressure purposes – Technical delivery conditions – Part 1: Non-alloy steel tubes with specified room temperature properties (EN 10217-1:2002)
- zamijenjena s: HRN EN 10217-1:2019

HRN EN 10217-2/A1:2007 en
Zavarene čelične cijevi za tlačne namjene – Tehnički uvjeti isporuke – 2. dio: Elektro-zavarene cijevi od nelegiranih i legiranih čelika s utvrđenim svojstvima pri povišenim temperaturama (EN 10217-2:2002/A1:2005)
Welded steel tubes for pressure purposes – Technical delivery conditions – Part 2: Electric welded non-alloy and alloy steel tubes with specified elevated temperature properties (EN 10217-2:2002/A1:2005)
- zamijenjena s: HRN EN 10217-2:2019

HRN EN 10217-2:2003 en
Zavarene čelične cijevi za tlačne namjene – Tehnički uvjeti isporuke – 2. dio: Elektro-zavarene cijevi od nelegiranih i legiranih čelika s utvrđenim svojstvima pri povišenim temperaturama (EN 10217-2:2002)
Welded steel tubes for pressure purposes – Technical delivery conditions – Part 2: Electric welded non-alloy and alloy steel tubes with specified elevated temperature properties (EN 10217-2:2002)
- zamijenjena s: HRN EN 10217-2:2019

HRN EN 10217-3/A1:2007 en
Zavarene čelične cijevi za tlačne namjene – Tehnički uvjeti isporuke – 3. dio: Cijevi od legiranih sitnozrnatih čelika (EN 10217-3:2002/A1:2005)
Welded steel tubes for pressure purposes – Technical delivery conditions – Part 3: Alloy fine grain steel tubes (EN 10217-3:2002/A1:2005)
- zamijenjena s: HRN EN 10217-3:2019

HRN EN 10217-3:2003 en
Zavarene čelične cijevi za tlačne namjene – Tehnički uvjeti isporuke – 3. dio: Cijevi od legiranih sitnozrnatih čelika (EN 10217-3:2002)
Welded steel tubes for pressure purposes – Technical delivery conditions – Part 3: Alloy fine grain steel tubes (EN 10217-3:2002)
- zamijenjena s: HRN EN 10217-3:2019

HRN EN 10217-4/A1:2007 en
Zavarene čelične cijevi za tlačne namjene – Tehnički uvjeti isporuke – 4. dio: Elektro-zavarene cijevi od nelegiranih čelika s utvrđenim svojstvima pri niskim temperaturama (EN 10217-4:2002/A1:2005)
Welded steel tubes for pressure purposes – Technical delivery conditions – Part 4: Electric welded non-alloy steel tubes with specified low temperature properties (EN 10217-4:2002/A1:2005)
- zamijenjena s: HRN EN 10217-4:2019

HRN EN 10217-4:2003 en
Zavarene čelične cijevi za tlačne namjene – Tehnički uvjeti isporuke – 4. dio: Elektro-zavarene cijevi od nelegiranih čelika s utvrđenim svojstvima pri niskim temperaturama (EN 10217-4:2002)
Welded steel tubes for pressure purposes – Technical delivery conditions – Part 4: Electric welded non-alloy steel tubes with specified low temperature properties (EN 10217-4:2002)
- zamijenjena s: HRN EN 10217-4:2019

HRN EN 10217-5/A1:2007 en
Zavarene čelične cijevi za tlačne namjene – Tehnički uvjeti isporuke – 5. dio: Cijevi zavarene pod praškom od nelegiranih i legiranih čelika s utvrđenim svojstvima pri povišenim temperaturama (EN 10217-5:2002/A1:2005)
Welded steel tubes for pressure purposes – Technical delivery conditions – Part 5: Submerged arc welded non-alloy and alloy steel tubes with specified elevated temperature properties (EN 10217-5:2002/A1:2005)
- zamijenjena s: HRN EN 10217-5:2019

HRN EN 10217-5:2003 en
Zavarene čelične cijevi za tlačne namjene – Tehnički uvjeti isporuke – 5. dio: Cijevi zavarene pod praškom od nelegiranih i legiranih čelika s utvrđenim svojstvima pri povišenim temperaturama (EN 10217-5:2002)
Welded steel tubes for pressure purposes – Technical delivery conditions – Part 5: Submerged arc welded non-alloy and alloy steel tubes with specified elevated temperature properties (EN 10217-5:2002)
- zamijenjena s: HRN EN 10217-5:2019

HRN EN 10217-6/A1:2007 en

Zavarene čelične cijevi za tlačne namjene – Tehnički uvjeti isporuke – 6. dio: Cijevi zavarene pod praškom od nelegiranih čelika s utvrđenim svojstvima pri niskim temperaturama (EN 10217-6:2002/A1:2005)

Welded steel tubes for pressure purposes – Technical delivery conditions – Part 6: Submerged arc welded non-alloy steel tubes with specified low temperature properties (EN 10217-6:2002/A1:2005)

- zamijenjena s: HRN EN 10217-6:2019

HRN EN 10217-6:2003 en

Zavarene čelične cijevi za tlačne namjene – Tehnički uvjeti isporuke – 6. dio: Cijevi zavarene pod praškom od nelegiranih čelika s utvrđenim svojstvima pri niskim temperaturama (EN 10217-6:2002)

Welded steel tubes for pressure purposes – Technical delivery conditions – Part 6: Submerged arc welded non-alloy steel tubes with specified low temperature properties (EN 10217-6:2002)

- zamijenjena s: HRN EN 10217-6:2019

HZN/TO 504, Korozija i zaštita metala i legura

HRN EN ISO 11177:2016 en

Staklasti i porculanski emajli – Unutrašnji i vanjski emajlirani ventili i oprema za cijevi pod tlakom za opskrbu netretirane i pitke vode – Zahtjevi za kvalitetu i ispitivanje (ISO 11177:2016; EN ISO 11177:2016)

Vitreous and porcelain enamels – Inside and outside enamelled valves and pressure pipe fittings for untreated and potable water supply – Quality requirements and testing (ISO 11177:2016; EN ISO 11177:2016)

- zamijenjena s: HRN EN ISO 11177:2019

HZN/TO 515, Žičare, uspinjače i vučnice

HRN EN 1709:2006 en

Sigurnosni zahtjevi za žičare za prijevoz osoba – Pregledi prije preuzimanja, održavanje, pregledi u tijeku uporabe i provjere (EN 1709:2004)

Safety requirements for cableway installations designed to carry persons – Precommissioning inspection, maintenance, operational inspection and checks (EN 1709:2004)

- zamijenjena s: HRN EN 1709:2019

HZN/TO 528, Oprema za željeznice

HRN EN 15610:2009 en

Željeznički sustav – Emisija buke – Mjerenje hrapavosti tračnica povezane sa stvaranjem buke pri vožnji željezničkih vozila (EN 15610:2009)

Railway applications – Noise emission – Rail roughness measurement related to rolling noise generation (EN 15610:2009)

- zamijenjena s: HRN EN 15610:2019

HZN/TO 531, Plastika i guma

HRN EN ISO 846:2008 en

Plastika – Procjena djelovanja mikroorganizama (ISO 846:1997; EN ISO 846:1997)

Plastics – Evaluation of the action of microorganisms (ISO 846:1997; EN ISO 846:1997)

- zamijenjena s: HRN EN ISO 846:2019

HRN EN ISO 1163-1:2008 en

Plastika – Neomekšani poli(vinil-kloridni) (PVC-U) materijali za kalupljenje i ekstruziju – 1. dio: Sustav označavanja i osnove za specifikacije (ISO 1163-1:1995; EN ISO 1163-1:1999)

Plastics – Unplasticized poly(vinyl chloride) (PVC-U) moulding and extrusion materials – Part 1: Designation system and basis for specifications (ISO 1163-1:1995; EN ISO 1163-1:1999)

- zamijenjena s: HRN EN ISO 21306-1:2019

HRN EN ISO 1163-2:2008 en

Plastika – Neomekšani poli(vinil-kloridni) (PVC-U) materijali za kalupljenje i ekstruziju – 2. dio: Priprema ispitaka i određivanje svojstava (ISO 1163-2:1995; EN ISO 1163-2:1999)

Plastics – Unplasticized poly(vinyl chloride) (PVC-U) moulding and extrusion materials – Part 2: Preparation of test specimens and determination of properties (ISO 1163-2:1995; EN ISO 1163-2:1999)

- zamijenjena s: HRN EN ISO 21306-2:2019

HRN EN ISO 1183-1:2013 en

Plastika – Metode određivanja gustoće nečelijaste plastike – 1. dio: Metoda uranjanja, metoda uporabom piknometra i titracijska metoda (ISO 1183-1:2012; EN ISO 1183-1:2012)

Plastics – Methods for determining the density of non-cellular plastics – Part 1: Immersion method, liquid pycnometer method and titration method (ISO 1183-1:2012; EN ISO 1183-1:2012)

- zamijenjena s: HRN EN ISO 1183-1:2019

HRN EN ISO 1183-2:2008 en

Plastika – Metode određivanja gustoće nepjenastih plastika – 2. dio: Metoda za određivanje gustoće pomoću kolone s gradijentom gustoće (ISO 1183-2:2004; EN ISO 1183-2:2004)

Plastics – Methods for determining the density of non-cellular plastics – Part 2: Density gradient column method (ISO 1183-2:2004; EN ISO 1183-2:2004)

- zamijenjena s: HRN EN ISO 1183-2:2019

HRN EN ISO 11542-1:2008 en

Plastika – Vrlo visoko molekularni polietilenski (PE-UHMW) materijali za kalupljenje i ekstrudiranje – 1. dio: Sustav označavanja i osnove za specifikacije (ISO 11542-1:2001; EN ISO 11542-1:2001)

Plastics – Ultra-high-molecular-weight polyethylene (PE-UHMW) moulding and extrusion materials – Part 1: Designation system and basis for specifications (ISO 11542-1:2001; EN ISO 11542-1:2001)

- zamijenjena s: HRN EN ISO 21304-1:2019

HRN EN ISO 14851:2008 en

Određivanje konačne aerobne biorazgradljivosti plastičnih materijala u vodenom mediju – Metoda mjerenja potrebnog kisika u zatvorenom respirometru (ISO 14851:1999; EN ISO 14851:2004)

Determination of the ultimate aerobic biodegradability of plastic materials in an aqueous medium – Method by measuring the oxygen demand in a closed respirometer (ISO 14851:1999; EN ISO 14851:2004)

- zamijenjena s: HRN EN ISO 14851:2019

HRN EN ISO 15023-2:2008 en

Plastika – Poli(vinil-alkoholni) (PVAL) materijali – 2. dio: Određivanje svojstava (ISO 15023-2:2003; EN ISO 15023-2:2006)

Plastics – Poly(vinyl alcohol) (PVAL) materials – Part 2: Determination of properties (ISO 15023-2:2003; EN ISO 15023-2:2006)

- zamijenjena s: HRN EN ISO 15023-2:2019

HZN/TO 534, Spremnici za teret

HRN EN 12300:2004 en

Kriogenične posude – Čistoća kod medija za kriogenične uvjete (EN 12300:1998)

Cryogenic vessels – Cleanliness for cryogenic service (EN 12300:1998)

- zamijenjena s: HRN EN ISO 23208:2019

HRN EN 12300:2004/A1:2008 en

Kriogenične posude – Čistoća kod medija za kriogenične uvjete (EN 12300:1998/A1:2006)

Cryogenic vessels – Cleanliness for cryogenic service (EN 12300:1998/A1:2006)

- zamijenjena s: HRN EN ISO 23208:2019

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

HRN EN 1822-1:2010 en

Visokoučinkoviti zračni filtri (EPA, HEPA i ULPA) – 1. dio: Razredba, ispitivanje značajka, označavanje (EN 1822-1:2009)

High efficiency air filters (EPA, HEPA and ULPA) – Part 1: Classification, performance testing, marking (EN 1822-1:2009)

- zamijenjena s: HRN EN 1822-1:2019

HRN EN 13941:2010 en

Projektiranje i montaža sustava predizoliranih cijevi za daljinsko grijanje (EN 13941:2009+A1:2010)

Design and installation of preinsulated bonded pipe systems for district heating (EN 13941:2009+A1:2010)

- zamijenjena s: HRN EN 13941-1:2019, HRN EN 13941-2:2019

HRN EN 15251:2008 en

Ulazni mikroklimatski parametri za projektiranje i ocjenjivanje energijskih značajka zgrada koji se odnose na kvalitetu zraka, toplinsku lagodnost, osvjetljenje i akustiku (EN 15251:2007)

Indoor environmental input parameters for design and assessment of energy performance of buildings addressing indoor air quality, thermal environment, lighting and acoustics (EN 15251:2007)

- zamijenjena s: HRN EN 16798-1:2019

HZN/TO 555, *Medicinski proizvodi*

HRN EN ISO 14161:2010 en
Sterilizacija medicinskih proizvoda – Biološki indikatori
– Upute za odabir, uporabu i interpretaciju rezultata
(ISO 14161:2009; EN ISO 14161:2009)
Sterilization of health care products – Biological indicators
– Guidance for the selection, use and interpretation of results
(ISO 14161:2009; EN ISO 14161:2009)
- zamijenjena s: HRN EN ISO 11138-7:2019

HZN/TO 556, *Osobna zaštitna oprema*

HRN EN 12568:2010 en
Štitnici za stopala i noge – Zahtjevi i metode ispitivanja kapica
za zaštitu prstiju i uložaka protiv proboja (EN 12568:2010)
Foot and leg protectors – Requirements and test methods for
toecaps and penetration resistant inserts (EN 12568:2010)
- zamijenjena s: HRN EN ISO 22568-1:2019,
HRN EN ISO 22568-2:2019, HRN EN ISO 22568-3:2019,
HRN EN ISO 22568-4:2019

HZN/TO 559, *Zaporni, regulacijski i sigurnosni uređaji*

HRN EN ISO 4126-2:2003 en
Sigurnosni uređaji za zaštitu od prekomjernog tlaka – 2. dio:
Sigurnosni uređaji temeljeni na membranskom disku
(ISO 4126-2:2003; EN ISO 4126-2:2003)
Safety devices for protection against excessive pressure
– Part 2: Bursting disc safety devices (ISO 4126-2:2003;
EN ISO 4126-2:2003)
- zamijenjena s: HRN EN ISO 4126-2:2019

HRN EN ISO 4126-2:2003/Ispr.1:2007 en
Sigurnosni uređaji za zaštitu od prekomjernog tlaka
– 2. dio: Sigurnosni uređaji s rasprsnim diskom
(EN ISO 4126-2:2003/AC:2006)
Safety devices for protection against excessive pressure – Part 2:
Bursting disc safety devices (EN ISO 4126-2:2003/AC:2006)
- zamijenjena s: HRN EN ISO 4126-2:2019

HZN/TO 560, *Tekstilni proizvodi*

HRN ISO 4911:2003 en
Tekstil – Pamučna vlakna – Oprema i umjetna osvjetljenost
prostora za klasiranje pamuka (ISO 4911:1980)
Textiles – Cotton fibres – Equipment and artificial lighting for
cotton classing rooms (ISO 4911:1980)
- bez zamjene

HRN ISO/TR 6741-4:2003 en
Tekstil – Vlakna i pređe – Određivanje trgovačke mase pošiljke
– 4. dio: Vrijednosti koje se upotrebljavaju za izračunavanje
trgovačke mase i reprice (ISO/TR 6741-4:1987)
Textiles – Fibres and yarns – Determination of commercial
mass of consignments – Part 4: Values used for the
commercial allowances and the commercial moisture regains
(ISO/TR 6741-4:1987)
- bez zamjene

HRN EN ISO 9092:2011 en,fr
Tekstil – Netkani tekstil – Definicija (ISO 9092:2011;
EN ISO 9092:2011)
Textiles – Nonwovens – Definition (ISO 9092:2011;
EN ISO 9092:2011)
- zamijenjena s: HRN EN ISO 9092:2019

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

HRN EN 13175:2015 en
Oprema i pribor za UNP – Specifikacija i ispitivanje ventila
i spojnice tlačnih posuda za ukapljeni naftni plin (UNP)
(EN 13175:2014)
LPG Equipment and accessories – Specification and testing
for Liquefied Petroleum Gas (LPG) pressure vessel valves
and fittings (EN 13175:2014)
- zamijenjena s: HRN EN 13175:2019

HRN EN 14071:2015 en
Oprema i pribor za UNP – Sigurnosni ventili za tlačne posude
za UNP – Pomoćna oprema (EN 14071:2015)
LPG equipment and accessories – Pressure relief
valves for LPG pressure vessels – Ancillary equipment
(EN 14071:2015)
- zamijenjena s: HRN EN 14071:2019

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

HRN EN 14974:2011 en
Objekti za korisnike sportske opreme za koturaljanje – Sigurnosni
zahtjevi i metode ispitivanja (EN 14974:2006+A1:2010)
Facilities for users of roller sports equipment – Safety
requirements and test methods (EN 14974:2006+A1:2010)
- zamijenjena s: HRN EN 14974:2019

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

HRN EN 60534-2-3:2008 en
Regulacijski ventili za industrijske procese – Dio 2-3: Protočni
kapacitet – Postupci ispitivanja (IEC 60534-2-3:1997;
EN 60534-2-3:1998)
Industrial-process control valves – Part 2-3: Flow capacity
– Test procedures (IEC 60534-2-3:1997; EN 60534-2-3:1998)
- zamijenjena s: HRN EN 60534-2-3:2016

HRN EN 62439-2:2011 en
Industrijske komunikacijske mreže – Automacijske mreže
velike raspoloživosti – 2. dio: Protokol zalihosti sredstava
(IEC 62439-2:2010; EN 62439-2:2010)
Industrial communication networks – High availability
automation networks – Part 2: Media Redundancy Protocol
(MRP) (IEC 62439-2:2010; EN 62439-2:2010)
- zamijenjena s: HRN EN 62439-2:2018

HRI CLC/TR 62453-41:2011 en
Specifikacija sučelja alata za uređaje u postrojenju (FDT)
– 41. dio: Profil integracije modela objekta – Zajednički model
objekta (IEC/TR 62453-41:2009; CLC/TR 62453-41:2009)
Field device tool (FDT) interface specification – Part 41:
Object model integration profile – Common object model
(IEC/TR 62453-41:2009; CLC/TR 62453-41:2009)
- bez zamjene

HZN/TO E72, *Naprave za automatsko upravljanje u kućanstvu*

HRN EN 60730-2-6:2008 en
Električne naprave za automatsko upravljanje u kućanstvu
i sličnu uporabu – Dio 2-6: Posebni zahtjevi za električne
regulatore tlaka, uključujući mehaničke zahtjeve
(IEC 60730-2-6:2007, MOD; EN 60730-2-6:2008)
Automatic electrical controls for household and similar use
– Part 2-6: Particular requirements for automatic electrical
pressure sensing controls including mechanical requirements
(IEC 60730-2-6:2007, MOD; EN 60730-2-6:2008)
- zamijenjena s: HRN EN 60730-2-6:2016

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

HRN EN 60728-5:2008 en
Kabelske mreže za televizijske signale, zvučne signale i
usluge uzajamnog djelovanja – 5. dio: Oprema glavne postaje
(IEC 60728-5:2007; EN 60728-5:2008)
Cable networks for television signals, sound signals
and interactive services – Part 5: Headend equipment
(IEC 60728-5:2007; EN 60728-5:2008)
- zamijenjena s: HRN EN 60728-5:2016

HRN EN 60958-4:2008 en
Digitalno audiosučelje – 4. dio: Profesionalne primjene
(IEC 60958-4:2003+am1:2008; EN 60958-4:2003+A1:2008)
Digital audio interface – Part 4: Professional applications
(IEC 60958-4:2003+am1:2008; EN 60958-4:2003+A1:2008)
- zamijenjena s: HRN EN 60958-4-1:2016, HRN EN 60958-4-2:2016,
HRN EN 60958-4-4:2016

HRN EN 61937-2:2011 en
Digitalni audio – Sučelje za nelinearne tokove audio
bitova kodiranih pulsno-kodnom modulacijom (PCM) koji
primjenjuju IEC 60958 – 2. dio: Obavijest o prepunjenosti
(IEC 61937-2:2007; EN 61937-2:2007)
Digital audio – Interface for non-linear PCM encoded
audio bitstreams applying IEC 60958 – Part 2: Burst-info
(IEC 61937-2:2007; EN 61937-2:2007)
- bez zamjene

- HRN EN 61937-2:2011/A1:2012 en
Digitalni audio – Sučelje za nelinearne tokove audio bitova kodiranih pulsno-kodnom modulacijom (PCM) koji primjenjuju IEC 60958 – 2. dio: Obavijest o prepunjenosti (IEC 61937-2:2007/am1:2011; EN 61937-2:2007/A1:2011)
Digital audio – Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 – Part 2: Burst-info (IEC 61937-2:2007/am1:2011; EN 61937-2:2007/A1:2011)
- bez zamjene
- HRN EN 61937-3:2011 en
Digitalni audio – Sučelje za nelinearne tokove audio bitova kodiranih pulsno-kodnom modulacijom (PCM) koji primjenjuju IEC 60958 – 3. dio: Nelinearni tokovi bitova kodiranih pulsno-kodnom modulacijom (PCM) prema formatima AC-3 i unaprijeđenom AC-3 (IEC 61937-3:2007; EN 61937-3:2009)
Digital audio – Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 – Part 3: Non-linear PCM bitstreams according to the AC-3 and enhanced AC-3 formats (IEC 61937-3:2007; EN 61937-3:2009)
- bez zamjene
- HRN EN 62087:2012 en
Metode mjerenja potrošnje energije audio, video i pripadajuće opreme (IEC 62087:2011; EN 62087:2012)
Methods of measurement for the power consumption of audio, video and related equipment (IEC 62087:2011; EN 62087:2012)
- zamijenjena s: HRN EN 62087-1:2016, HRN EN 62087-2:2016, HRN EN 62087-3:2016, HRN EN 62087-4:2016, HRN EN 62087-5:2016, HRN EN 62087-6:2015
- HRN EN 62104:2008 en
Značajke prijamnika digitalne radiodifuzije (DAB, Digital Audio Broadcasting) (IEC 62104:2003; EN 62104:2007)
Characteristics of DAB receivers (IEC 62104:2003; EN 62104:2007)
- bez zamjene
- HRN EN 62448:2014 en
Multimedijski sustavi i oprema – Multimedijsko e-izdavaštvo i e-knjige – Opći (generični) oblik za e-izdavaštvo (IEC 62448:2013; EN 62448:2014)
Multimedia systems and equipment – Multimedia e-publishing and e-books – Generic format for e-publishing (IEC 62448:2013; EN 62448:2014)
- bez zamjene
- HRN EN 62481-1:2014 en
Preporuke za zajednički rad DLNA (Digital living network alliance) kućnih umreženih uređaja – 1. dio: Arhitektura i protokoli (IEC 62481-1:2013; EN 62481-1:2014)
Digital living network alliance (DLNA) home networked device interoperability guidelines – Part 1: Architecture and protocols (IEC 62481-1:2013; EN 62481-1:2014)
- bez zamjene
- HRN EN 62481-2:2014 en
Preporuke za zajednički rad DLNA (Digital living network alliance) kućnih umreženih uređaja – 2. dio: Oblici DLNA sredstava (IEC 62481-2:2013; EN 62481-2:2014)
Digital living network alliance (DLNA) home networked device interoperability guidelines – Part 2: DLNA media formats (IEC 62481-2:2013; EN 62481-2:2014)
- bez zamjene
- HRN EN 62481-3:2012 en
Preporuke za zajednički rad DLNA (Digital living network alliance) kućnih umreženih uređaja – 3. dio: Zaštita veze (IEC 62481-3:2010; EN 62481-3:2011)
Digital living network alliance (DLNA) home networked device interoperability guidelines – Part 3: Link protection (IEC 62481-3:2010; EN 62481-3:2011)
- zamijenjena s: HRN EN 62481-3:2014
- HRN EN 62481-4:2014 en
Preporuke za zajednički rad DLNA (Digital living network alliance) kućnih umreženih uređaja – 4. dio: DRM rješenja zajedničkog rada (TA9) (IEC 62481-4:2014; EN 62481-4:2014)
Digital living network alliance (DLNA) home networked device interoperability guidelines – Part 4: DRM interoperability solutions (TA9) (IEC 62481-4:2014; EN 62481-4:2014)
- bez zamjene
- HRN EN 62481-5:2014 en
Preporuke za zajednički rad DLNA (Digital living network alliance) kućnih umreženih uređaja – 5. dio: Preporuke za profile DLNA uređaja (IEC 62481-5:2013; EN 62481-5:2014)
Digital living network alliance (DLNA) home networked device interoperability guidelines – Part 5: DLNA device profile guidelines (IEC 62481-5:2013; EN 62481-5:2014)
- bez zamjene
- HRN EN 62665:2014 en
Multimedijski sustavi i oprema – Multimedijsko e-izdavaštvo i tehnologije e-knjiga – Mapa strukture za audio izlaganje tiskanih tekstova (IEC 62665:2012; EN 62665:2012)
Multimedia systems and equipment – Multimedia e-publishing and e-books technologies – Texture map for auditory presentation of printed texts (IEC 62665:2012; EN 62665:2012)
- zamijenjena s: HRN EN 62665:2016
- HZN/TO E502, Elektrotehnički aspekti telekomunikacijske opreme**
- HRN EN 50310:2011 en
Primjena izjednačenja potencijala i uzemljenja u zgradama s opremom informacijske tehnologije (EN 50310:2010)
Application of equipotential bonding and earthing in buildings with information technology equipment (EN 50310:2010)
- zamijenjena s: HRN EN 50310:2016
- HZN/TU A1, Usluge, proizvodi za kućanstvo i slobodno vrijeme 1**
- HRN EN 16511:2014 en
Polukrute višeslojne ploče modularnih podnih obloga (MMF) s gornjim slojem otpornim na habanje (EN 16511:2014)
Loose-laid panels – Semi-rigid multilayer modular floor covering (MMF) panels with wear resistant top layer (EN 16511:2014)
- zamijenjena s: HRN EN 16511:2019
- HZN/TU C1, Kemikalije, kemijsko inženjerstvo, poljoprivredni i prehrambeni proizvodi 1**
- HRN EN ISO 3961:2013 en
Životinjske i biljne masti i ulja – Određivanje jednog broja (ISO 3961:2013; EN ISO 3961:2013)
Animal and vegetable fats and oils – Determination of iodine value (ISO 3961:2013; EN ISO 3961:2013)
- zamijenjena s: HRN EN ISO 3961:2019
- HRN EN 15416-3:2017 en
Adhezivi za nosive drvene strukture koji nisu fenolni ili aminoplastični – Metode ispitivanja – 3. dio: Ispitivanje deformacije puzanja u cikličkim klimatskim uvjetima s uzorcima koji se naprežu savojnim smicanjem (EN 15416-3:2017)
Adhesives for load bearing timber structures other than phenolic and aminoplastic – Test methods – Part 3: Creep deformation test at cyclic climate conditions with specimens loaded in bending shear (EN 15416-3:2017)
- zamijenjena s: HRN EN 15416-3:2019
- HZN/TU M1, Metalni materijali 1**
- HRN EN ISO 4491-4:2014 en
Metalni prah – Određivanje udjela kisika redukcijskom metodom – 4. dio: Ukupni kisik pomoću redukcije-ekstrakcije (ISO 4491-4:2013; EN ISO 4491-4:2013)
Metallic powders – Determination of oxygen content by reduction methods – Part 4: Total oxygen by reduction-extraction (ISO 4491-4:2013; EN ISO 4491-4:2013)
- zamijenjena s: HRN EN ISO 4491-4:2019
- HZN/TU S1, Zdravlje, okoliš i medicinska oprema 1**
- HRN EN ISO 7492:2018 en
Stomatologija – Stomatološka sonda (ISO 7492:2018; EN ISO 7492:2018)
Dentistry – Dental explorer (ISO 7492:2018; EN ISO 7492:2018)
- zamijenjena s: HRN EN ISO 7492:2019

HRN EN 13795:2013 en
Kirurški prekrivači, ogrtači i sterilna odijela koji se upotrebljavaju kao medicinska sredstva za pacijente, zdravstveno osoblje i opremu – Opći zahtjevi za proizvođače, prerađivače i proizvođače, metode ispitivanja, izvedbeni zahtjevi i razine izvedbe (EN 13795:2011+A1:2013)
Surgical drapes, gowns and clean air suits, used as medical devices for patients, clinical staff and equipment – General requirements for manufacturers, processors and products, test methods, performance requirements and performance levels (EN 13795:2011+A1:2013)
- zamijenjena s: HRN EN 13795-1:2019, HRN EN 13795-2:2019

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

HRN EN 2070-1:2008 en
Nizovi o zrakoplovstvu – Plastično oblikovani proizvodi od aluminija i legura aluminija – Tehničke specifikacije – 1. dio: Opći zahtjevi (EN 2070-1:1989+A1:1993)
Aerospace series – Aluminium and aluminium alloy wrought products – Technical specification – Part 1: General requirements (EN 2070-1:1989+A1:1993)
- zamijenjena s: HRN EN 4400-1:2019, HRN EN 4400-2:2019, HRN EN 4400-3:2019, HRN EN 4400-6:2019

HRN EN 2070-2:2008 en
Nizovi o zrakoplovstvu – Plastično oblikovani proizvodi od aluminija i legura aluminija – Tehničke specifikacije – 2. dio: Lim, profili trakastih oblika i ploče (EN 2070-2:1989)
Aerospace series – Aluminium and aluminium alloy wrought products – Technical specification – Part 2: Sheet, strip formed profiles and plate (EN 2070-2:1989)
- zamijenjena s: HRN EN 4400-1:2019, HRN EN 4400-2:2019

HRN EN 2070-3:2008 en
Nizovi o zrakoplovstvu – Plastično oblikovani proizvodi od aluminija i legura aluminija – Tehničke specifikacije – 3. dio: Šipke i profili (EN 2070-3:1989)
Aerospace series – Aluminium and aluminium alloy wrought products – Technical specification – Part 3: Bar and section (EN 2070-3:1989)
- zamijenjena s: HRN EN 4400-3:2019

HRN EN 2070-7:2008 en
Nizovi o zrakoplovstvu – Plastično oblikovani proizvodi od aluminija i legura aluminija – Tehničke specifikacije – 7. dio: Plastično obrađen materijal za kovanje (EN 2070-7:1989)
Aerospace series – Aluminium and aluminium alloy wrought products – Technical specification – Part 7: Wrought forging stock (EN 2070-7:1989)
- zamijenjena s: HRN EN 4400-6:2019

HRN EN 2082-1:2008 en
Nizovi o zrakoplovstvu – Legure aluminija namijenjene kovanju i otkivci – Tehničke specifikacije – 1. dio: Opći zahtjevi (EN 2082-1:1989+A1:1993)
Aerospace series – Aluminium alloy forging stock and forgings – Technical specification – Part 1: General requirements (EN 2082-1:1989+A1:1993)
- zamijenjena s: HRN EN 4400-6:2019

HRN EN 2082-2:2008 en
Nizovi o zrakoplovstvu – Legure aluminija namijenjene kovanju i otkivci – Tehničke specifikacije – 2. dio: Materijal za kovanje (EN 2082-2:1989)
Aerospace series – Aluminium alloy forging stock and forgings – Technical specification – Part 2: Forging stock (EN 2082-2:1989)
- zamijenjena s: HRN EN 4400-6:2019

HRN EN 2583:2008 en
Nizovi o zrakoplovstvu – Vijci, s "MJ" navojem, otporni na toplinu od legure na bazi nikla NI-PH2601 (Inconel 718) – Klasifikacija: 1275 MPa (pri temperaturi okoline)/650 °C – Tehničke specifikacije (EN 2583:1997)
Aerospace series – Bolts, MJ threads, in heat resisting nickel base alloy NI-PH2601 (Inconel 718) – Classification: 1275 MPa (at ambient temperature)/650 °C – Technical specification (EN 2583:1997)
- zamijenjena s: HRN EN 2583:2019

HRN EN 3275:2008 en
Nizovi o zrakoplovstvu – Priključak cijevi 8°30' up to 28000 kPa – Brtve s dinamičkim snopom – Metrički nizovi – Tehnička specifikacija (EN 3275:2002)
Aerospace series – Pipe coupling 8°30' up to 28000 kPa – Dynamic beam seal – Metric series – Technical specification (EN 3275:2002)
- zamijenjena s: HRN EN 3275:2019

HRN EN 14607-6:2008 en
Svemirsko inženjerstvo – Strojstvo – 6. dio: Pirotehnika (EN 14607-6:2004)
Space engineering – Mechanical – Part 6: Pyrotechnics (EN 14607-6:2004)
- zamijenjena s: HRN EN 16603-33-11:2019

HRN/TU V1, *Elektronika 1*

HRN EN 45544-4:2008 en
Atmosfera radnih prostora – Električni uređaji za izravno otkrivanje i izravno mjerenje koncentracije otrovnih plinova i para – 4. dio: Uputa za odabir, ugradnju, uporabu i održavanje (EN 45544-4:1999)
Workplace atmospheres – Electrical apparatus used for the direct detection and direct concentration measurement of toxic gases and vapours – Part 4: Guide for selection, installation, use and maintenance (EN 45544-4:1999)
- zamijenjena s: HRN EN 45544-4:2016

HRN EN 50377-10-1:2009 en
Connector sets and interconnect components to be used in optical fibre communication systems – Product specifications – Part 10-1: Type MU-PC simplex terminated on IEC 60793-2-50 category B1.1 and B1.3 singlemode fibre, with full zirconia ferrule category C (EN 50377-10-1:2007)
- bez zamjene

HRN EN 50377-10-2:2008 en
Connectors sets and interconnect components to be used in optical fibre communication systems – Product specifications – Part 10-2: MU-APC singlemode terminated on IEC 60793-2 category B1 fibre (EN 50377-10-2:2005)
- bez zamjene

HRN EN 50377-13-2:2012 en
Connector sets and interconnect components to be used in optical fibre communication systems – Product specifications – Part 13-2: Type LX.5-PC DUPLEX terminated on IEC 60793-2-50 category B1.1 and B1.3 singlemode fibre, with full zirconia ferrule category U (EN 50377-13-2:2011)
- bez zamjene

HRN EN 50377-13-3:2012 en
Connector sets and interconnect components to be used in optical fibre communication systems – Product specifications – Part 13-3: Type LX.5-APC DUPLEX terminated on IEC 60793-2-50 category B1.1 and B1.3 singlemode fibre, with full zirconia ferrule category U (EN 50377-13-3:2011)
- bez zamjene

HRN EN 60384-14-1:2008 en
Fixed capacitors for use in electronic equipment – Part 14-1: Blank detail specification – Fixed capacitors for electromagnetic interference suppression and connection to the supply mains – Assessment level D (IEC 60384-14-1:2005; EN 60384-14-1:2005)
- zamijenjena s: HRN EN 60384-14-1:2016

HRN EN 60384-14-2:2008 en
Fixed capacitors for use in electronic equipment – Part 14-2: Blank detail specification – Fixed capacitors for electromagnetic interference suppression and connection to the supply mains – Safety tests only (IEC 60384-14-2:2004; EN 60384-14-2:2004)
- zamijenjena s: HRN EN 60384-14-2:2016

HRN EN 60384-14-3:2008 en
Fixed capacitors for use in electronic equipment – Part 14-3: Blank detail specification – Fixed capacitors for electromagnetic interference suppression and connection to the supply mains – Assessment level DZ (IEC 60384-14-3:2004; EN 60384-14-3:2004)
- zamijenjena s: HRN EN 60384-14-1:2016

HRN EN 61192-1:2008 en
Workmanship requirements for soldered electronic assemblies – Part 1: General (IEC 61192-1:2003; EN 61192-1:2003)
- bez zamjene

HRN EN 61192-2:2008 en
Workmanship requirements for soldered electronic assemblies – Part 2: Surface-mount assemblies (IEC 61192-2:2003; EN 61192-2:2003)
- bez zamjene

- HRN EN 61192-3:2008 en
Workmanship requirements for soldered electronic assemblies – Part 3: Through-hole mount assemblies (IEC 61192-3:2002; EN 61192-3:2003)
- bez zamjene
- HRN EN 61192-4:2008 en
Workmanship requirements for soldered electronic assemblies – Part 4: Terminal assemblies (IEC 61192-4:2002; EN 61192-4:2003)
- bez zamjene
- HRN EN 61192-5:2008 en
Workmanship requirements for soldered electronic assemblies – Part 5: Rework, modification and repair of soldered electronic assemblies (IEC 61192-5:2007; EN 61192-5:2007)
- bez zamjene
- HRN EN 61196-2:2008 en
Radio-frequency cables – Part 2: Sectional specification for semi-rigid radio-frequency and coaxial cables with polytetrafluoroethylene (PTFE) insulation (IEC 61196-2:1995; EN 61196-2:2003)
- zamijenjena s: HRN EN 61196-10:2016
- HRN EN 61291-2:2014 en
Optical amplifiers – Part 2: Digital applications – Performance specification template (IEC 61291-2:2012; EN 61291-2:2012)
- zamijenjena s: HRN EN 61291-2:2016
- HRN EN 61829:2008 en
Crystalline silicon photovoltaic (PV) array – On-site measurement of I-V characteristics (IEC 61829:1995; EN 61829:1998)
- zamijenjena s: HRN EN 61829:2016
- HRN EN 62047-1:2008 en
Semiconductor devices – Micro-electromechanical devices – Part 1: Terms and definitions (IEC 62047-1:2005; EN 62047-1:2006)
- zamijenjena s: HRN EN 62047-1:2016
- HRN EN 62153-4-7:2008 en
Metallic communication cables test methods – Part 4-7: Electromagnetic compatibility (EMC) – Test method for measuring the transfer impedance and the screening – or the coupling attenuation – Tube in tube method (IEC 62153-4-7:2006; EN 62153-4-7:2006)
- zamijenjena s: HRN EN 62153-4-7:2016
- HRN EN 62446:2010 en
Grid connected photovoltaic systems – Minimum requirements for system documentation, commissioning tests and inspection (IEC 62446:2009; EN 62446:2009)
- zamijenjena s: HRN EN 62446-1:2016
- HRN EN 62572-3:2014 en
Fibre optic active components and devices – Reliability standards – Part 3: Laser modules used for telecommunication (IEC 62572-3:2014; EN 62572-3:2014)
- zamijenjena s: HRN EN 62572-3:2016

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/TU U1, *Opća elektrotehnika 1*

- **umjesto**

HRN EN 60695-9-2:2014
Ispitivanje opasnosti od požara – Dio 9-1: Površinsko širenje plamena – Sažetak i relevantnost metoda ispitivanja (IEC 60695-9-2:2014; EN 60695-9-2:2014)
Fire hazard testing – Part 9-2: Surface spread of flame – Summary and relevance of test methods (IEC 60695-9-2:2014; EN 60695-9-2:2014)

- **treba biti**

HRN EN 60695-9-2:2014
Ispitivanje opasnosti od požara – Dio 9-2: Površinsko širenje plamena – Sažetak i relevantnost metoda ispitivanja (IEC 60695-9-2:2014; EN 60695-9-2:2014)
Fire hazard testing – Part 9-2: Surface spread of flame – Summary and relevance of test methods (IEC 60695-9-2:2014; EN 60695-9-2:2014)

1.10 Prijevodi hrvatskih normativnih dokumenata

HZN/TO 89, *Furniri i drvne ploče*

Sljedeća hrvatska norma objavljena na engleskome jeziku sada je dostupna i na hrvatskome jeziku:

HRN EN 13986:2015 hr-en pr-pp
Ploče na osnovi drva za uporabu u graditeljstvu – Karakteristike, ocjenjivanje sukladnosti i označivanje (EN 13986:2004+A1:2015)
Wood-based panels for use in construction – Characteristics, evaluation of conformity and marking (EN 13986:2004+A1:2015)

HZN/TO 218, *Drvo*

Sljedeće hrvatske norme objavljene na engleskome jeziku sada su dostupne i na hrvatskome jeziku:

HRN EN 14342:2013 hr-en pr-pp
Drvene podne obloge – Značajke, ocjena sukladnosti i označivanje (EN 14342:2013)
Wood flooring and parquet – Characteristics, evaluation of conformity and marking (EN 14342:2013)

HRN EN 14915:2017 hr-en pr-pp
Zidne i stropne obloge od cjelovitoga drva – Značajke, zahtjevi i označivanje (EN 14915:2013+A1:2017)
Solid wood panelling and cladding – Characteristics, requirements and marking (EN 14915:2013+A1:2017)

HZN/TO 526, *Bitumenska veziva*

Sljedeće hrvatske norme objavljene na engleskome jeziku sada su dostupne i na hrvatskome jeziku:

HRN EN 13808:2013 hr-en pr-pp
Bitumen i bitumenska veziva – Okvir za specificiranje kationskih bitumenskih emulzija (EN 13808:2013)
Bitumen and bituminous binders – Framework for specifying cationic bituminous emulsions (EN 13808:2013)

HRN EN 14023:2010 hr-en pr-pp
Bitumen i bitumenska veziva – Okviri specifikacija za polimerom modificirane bitumene (EN 14023:2010)
Bitumen and bituminous binders – Specification framework for polymer modified bitumens (EN 14023:2010)

HZN/TO 531, *Plastika i guma*

Sljedeća hrvatska norma objavljena na engleskome, francuskome i njemačkome jeziku sada je dostupna i na hrvatskome, engleskome, francuskome i njemačkome jeziku, kao četverojezično izdanje:

HRN EN ISO 472:2013 hr, en, fr, de- en,fr,de pr-pp
Plastika – Terminološki rječnik (ISO 472:2013; EN ISO 472:2013)
Plastics – Vocabulary (ISO 472:2013; EN ISO 472:2013)

HZN/TO 560, *Tekstilni proizvodi*

Sljedeća hrvatska norma objavljena na engleskome jeziku sada je dostupna i na hrvatskome jeziku:

HRN EN 14682:2015 hr-en pr-pp
Sigurnost dječje odjeće – Gajtani i vezice na dječjoj odjeći – Specifikacije (EN 14682:2014)
Safety of children's clothing – Cords and drawstrings on children's clothing – Specifications (EN 14682:2014)

HZN TO E500, *Elektromagnetska kompatibilnost u elektrotehnici i telekomunikacijama*

Sljedeća hrvatska norma objavljena na engleskome jeziku sada je dostupna i na hrvatskome jeziku:

HRN EN 50561-1:2013 hr-en pr-pp
Uređaji za komunikaciju preko energetskih vodova koji se upotrebljavaju u niskonaponskim instalacijama – Karakteristike radio smetnji – Granice i metode mjerenja – 1. dio: Uređaji za kućnu upotrebu (EN 50561-1:2013)
Power line communication apparatus used in low-voltage installations – Radio disturbance characteristics – Limits and methods of measurement – Part 1: Apparatus for in-home use (EN 50561-1:2013)

HRN EN 50561-1:2013/Ispr.1:2015 hr-en pr-pp
Uređaji za komunikaciju preko energetskih vodova koji se upotrebljavaju u niskonaponskim instalacijama – Karakteristike radio smetnji – Granice i metode mjerenja – 1. dio: Uređaji za kućnu upotrebu (EN 50561-1:2013/AC:2015)
Power line communication apparatus used in low-voltage installations – Radio disturbance characteristics – Limits and methods of measurement – Part 1: Apparatus for in-home use (EN 50561-1:2013/AC:2015)

2 Rezultati međunarodne i europske normizacije razvrstani po predmetnom ustroju

01.040.03 Usluge. Ustrojstvo poduzeća, upravljanje i kvaliteta. Administracija. Prijevoz. Sociologija. (Rječnici)

Međunarodna normizacija
ISO

ISO 20252:2019
Market, opinion and social research, including insights and data analytics – Vocabulary and service requirements

01.040.11 Tehnologija zdravstvene zaštite (Rječnici)

Međunarodna normizacija
ISO

ISO 13666:2019
Ophthalmic optics – Spectacle lenses – Vocabulary

01.040.25 Proizvodna tehnika (Rječnici)

Međunarodna normizacija
ISO

ISO 17677-1:2019
Resistance welding – Vocabulary – Part 1: Spot, projection and seam welding

01.040.31 Elektronika (Rječnici)

Europska normizacija
CENELEC

EN IEC 61967-1:2019
Integrated circuits – Measurement of electromagnetic emissions – Part 1: General conditions and definitions (IEC 61967-1:2018)

01.040.33 Telekomunikacije. Audiotehnika i videotehnika (Rječnici)

Europska normizacija
CENELEC

EN IEC 61967-1:2019
Integrated circuits – Measurement of electromagnetic emissions – Part 1: General conditions and definitions (IEC 61967-1:2018)

01.040.35 Informacijska tehnologija. Uredski strojevi (Rječnici)

Međunarodna normizacija
ISO/IEC

ISO/IEC 20546:2019
Information technology – Big data – Overview and vocabulary

01.040.45 Željeznička tehnika (Rječnici)

Europska normizacija
CEN

EN 17018:2019
Railway applications – Rolling stock maintenance – Terms and definitions

01.100.40 Oprema za crtanje

Međunarodna normizacija
ISO

ISO 20318-1:2019
Mechanical pencils and leads for general use – Classification, dimensions, quality and test methods – Part 1: Mechanical pencils

01.110 Tehnička dokumentacija o proizvodu

Europska normizacija
CENELEC

EN IEC 62474:2019
Material declaration for products of and for the electrotechnical industry (IEC 62474:2018)

Međunarodna normizacija
ISO

ISO 21600:2019
Technical product documentation (TPD) – General requirements of mechanical product digital manuals

01.120 Normizacija. Opća pravila

Europska normizacija
CEN

EN 17161:2019
Design for All – Accessibility following a Design for All approach in products, goods and services – Extending the range of users

01.140.20 Informacijske znanosti

Međunarodna normizacija
ISO

ISO 3901:2019
Information and documentation – International Standard Recording Code (ISRC)

01.140.30 Dokumenti u upravi, trgovini i industriji

Međunarodna normizacija
ISO

ISO 8601-1:2019
Date and time – Representations for information interchange – Part 1: Basic rules

ISO 8601-2:2019
Date and time – Representations for information interchange – Part 2: Extensions

03.020 Sociologija. Demografija

Međunarodna normizacija
ISO

ISO 20252:2019
Market, opinion and social research, including insights and data analytics – Vocabulary and service requirements

03.080.30 Usluge za potrošače

Međunarodna normizacija
ISO

ISO/TR 24524:2019
Service activities relating to drinking water supply, wastewater and stormwater systems – Hydraulic, mechanical and environmental conditions in wastewater transport systems

03.100.01 Ustroj poduzeća i upravljanje poduzećem općenito

Međunarodna normizacija ISO

ISO 56003:2019
Innovation management – Tools and methods for innovation partnership – Guidance

03.100.20 Trgovina. Trgovačka djelatnost. Marketing

Međunarodna normizacija ISO

ISO 20252:2019
Market, opinion and social research, including insights and data analytics – Vocabulary and service requirements

03.100.30 Upravljanje ljudskim resursima

Međunarodna normizacija ISO/IEC

ISO/IEC 19479:2019
Information technology for learning, education, and training – Learner mobility achievement information (LMAI)

03.100.40 Istraživanje i razvoj

Međunarodna normizacija ISO

ISO 56003:2019
Innovation management – Tools and methods for innovation partnership – Guidance

ISO/TR 56004:2019
Innovation Management Assessment – Guidance

03.120.30 Primjena statističkih metoda

Međunarodna normizacija ISO

ISO 11843-6:2019
Capability of detection – Part 6: Methodology for the determination of the critical value and the minimum detectable value in Poisson distributed measurements by normal approximations

03.220.20 Cestovni prijevoz

Međunarodna normizacija ISO

ISO 17262 AMD 1:2019
Intelligent transport systems – Automatic vehicle and equipment identification – Numbering and data structures; Amendment 1

ISO 17264 AMD 1:2019
Intelligent transport systems – Automatic vehicle and equipment identification – Interfaces; Amendment 1

ISO 24534-4 AMD 1:2019
Automatic vehicle and equipment identification – Electronic registration identification (ERI) for vehicles – Part 4: Secure communications using asymmetrical techniques; Amendment 1

ISO 24534-5 AMD 1:2019
Intelligent transport systems – Automatic vehicle and equipment identification – Electronic Registration Identification (ERI) for vehicles – Part 5: Secure communications using symmetrical techniques; Amendment 1

07.040 Astronomija. Geodezija. Geografija

Međunarodna normizacija ISO

ISO 19127:2019
Geographic information – Geodetic register

07.060 Geologija. Meteorologija. Hidrologija

Međunarodna normizacija ISO

ISO 19926-1:2019
Meteorology – Weather radar – Part 1: System performance and operation

07.100.30 Mikrobiologija hrane

Međunarodna normizacija ISO

ISO 22117:2019
Microbiology of the food chain – Specific requirements and guidance for proficiency testing by interlaboratory comparison

07.100.99 Ostale norme koje se odnose na mikrobiologiju

Međunarodna normizacija ISO

ISO 846:2019
Plastics – Evaluation of the action of microorganisms

11.040.20 Transfuzijska, infuzijska i injekcijska oprema

Europska normizacija CEN

EN ISO 15747:2019
Plastic containers for intravenous injections (ISO 15747:2018)

11.040.25 Šprice. Igle. Kateteri

Europska normizacija CEN

EN ISO 7886-4:2019
Sterile hypodermic syringes for single use – Part 4: Syringes with re-use prevention feature (ISO 7886-4:2018)

Međunarodna normizacija ISO

ISO 80369-3 AMD 1:2019
Small-bore connectors for liquids and gases in healthcare applications – Part 3: Connectors for enteral applications; Amendment 1

11.040.40 Implantati za kirurgiju, protetiku i ortotiku

Međunarodna normizacija ISO

ISO 5832-9:2019
Implants for surgery – Metallic materials – Part 9: Wrought high nitrogen stainless steel

ISO 5832-12:2019
Implants for surgery – Metallic materials – Part 12: Wrought cobalt-chromium-molybdenum alloy

- ISO 5832-14:2019
Implants for surgery – Metallic materials – Part 14: Wrought titanium 15-molybdenum 5-zirconium 3-aluminium alloy
- ISO 5834-1:2019
Implants for surgery – Ultra-high-molecular-weight polyethylene – Part 1: Powder form
- ISO 5834-2:2019
Implants for surgery – Ultra-high-molecular-weight polyethylene – Part 2: Moulded forms
- ISO 5834-3:2019
Implants for surgery – Ultra-high-molecular-weight polyethylene – Part 3: Accelerated ageing methods
- ISO 5834-4:2019
Implants for surgery – Ultra-high-molecular-weight polyethylene – Part 4: Oxidation index measurement method
- ISO 5834-5:2019
Implants for surgery – Ultra-high-molecular-weight polyethylene – Part 5: Morphology assessment method
- ISO 23500-1:2019
Preparation and quality management of fluids for haemodialysis and related therapies – Part 1: General requirements
- ISO 23500-2:2019
Preparation and quality management of fluids for haemodialysis and related therapies – Part 2: Water treatment equipment for haemodialysis applications and related therapies
- ISO 23500-3:2019
Preparation and quality management of fluids for haemodialysis and related therapies – Part 3: Water for haemodialysis and related therapies
- ISO 23500-4:2019
Preparation and quality management of fluids for haemodialysis and related therapies – Part 4: Concentrates for haemodialysis and related therapies
- ISO 23500-5:2019
Preparation and quality management of fluids for haemodialysis and related therapies – Part 5: Quality of dialysis fluid for haemodialysis and related therapies

11.040.70 Oftalmološka oprema

Međunarodna normizacija ISO

- ISO 13666:2019
Ophthalmic optics – Spectacle lenses – Vocabulary

11.040.99 Ostala medicinska oprema

Europska normizacija CEN

- EN ISO 23907-1:2019
Sharps injury protection – Requirements and test methods – Part 1: Single-use sharps containers (ISO 23907-1:2019)

11.100.10 In vitro dijagnostički ispitni sustavi

Međunarodna normizacija ISO

- ISO 20186-1:2019
Molecular in vitro diagnostic examinations – Specifications for pre-examination processes for venous whole blood – Part 1: Isolated cellular RNA
- ISO 20186-2:2019
Molecular in vitro diagnostic examinations – Specifications for pre-examination processes for venous whole blood – Part 2: Isolated genomic DNA

11.120.10 Lijekovi

Međunarodna normizacija ISO

- ISO 21314:2019
Traditional Chinese medicine – Salvia miltiorrhiza root and rhizome
- ISO 21316:2019
Traditional Chinese medicine – Isatis indigotica root
- ISO 21370:2019
Traditional Chinese medicine – Dendrobium officinale stem

11.180.01 Pomagala za osobe s invaliditetom općenito

Europska normizacija CEN

- EN 17161:2019
Design for All – Accessibility following a Design for All approach in products, goods and services – Extending the range of users

13.020.01 Okoliš i zaštita okoliša općenito

Europska normizacija CENELEC

- EN IEC 62474:2019
Material declaration for products of and for the electrotechnical industry (IEC 62474:2018)

Međunarodna normizacija IEC

- IEC 60364-8-1:2019
Low-voltage electrical installations – Part 8-1: Functional aspects – Energy efficiency

13.020.10 Upravljanje okolišem

Međunarodna normizacija ISO

- ISO 14033:2019
Environmental management – Quantitative environmental information – Guidelines and examples

13.020.30 Ocjenjivanje utjecaja na okoliš

Europska normizacija CEN

- CEN/TR 13695-2:2019
Packaging – Requirements for measuring and verifying the four heavy metals and other dangerous substances present in packaging, and their release into the environment – Part 2: Requirements for measuring and verifying dangerous substances present in packaging, and their release into the environment

13.020.55 Proizvodi na biološkoj osnovi

Europska normizacija CEN

- CEN/TR 17341:2019
Bio-based products – Examples of reporting on sustainability criteria

13.030.20 Tekući otpad. Mulj

Europska normizacija
CEN

EN 14702-3:2019
Characterisation of sludges – Settling properties – Part 3:
Determination of zone settling velocity (ZSV)

13.030.40 Instalacije i oprema za odlaganje i obradu otpada

Europska normizacija
CEN

CEN/TR 17345:2019
Waste – State-of-the-art document – Halogens and sulfur
by oxidative pyrohydrolytic combustion followed by ion
chromatography detection

13.040.20 Atmosfera okoliša

Europska normizacija
CEN

EN 16402:2019
Paints and varnishes – Assessment of emissions of substances
from coatings into indoor air – Sampling, conditioning and
testing

13.060.10 Voda iz prirodnih izvora

Europska normizacija
CEN

EN 17136:2019
Water quality – Guidance on field and laboratory procedures for
quantitative analysis and identification of macroinvertebrates
from inland surface waters

13.060.20 Voda za piće

Europska normizacija
CEN

EN 12873-3:2019
Influence of materials on water intended for human
consumption – Influence due to migration – Part 3: Test
method for ion exchange and adsorbent resins

13.060.30 Kanalizacijske vode

Međunarodna normizacija
ISO

ISO/TR 24524:2019
Service activities relating to drinking water supply, wastewater
and stormwater systems – Hydraulic, mechanical and
environmental conditions in wastewater transport systems

13.060.50 Ispitivanje voda na kemijske tvari

Međunarodna normizacija
ISO

ISO 12010:2019
Water quality – Determination of short-chain polychlorinated
alkanes (SCCP) in water – Method using gas
chromatography-mass spectrometry (GC-MS) and
negative-ion chemical ionization (NCI)

13.060.60 Ispitivanje fizikalnih svojstava vode

Europska normizacija
CEN

EN ISO 7027-2:2019
Water quality – Determination of turbidity – Part 2:
Semi-quantitative methods for the assessment of
transparency of waters (ISO 7027-2:2019)

Međunarodna normizacija
ISO

ISO 10704:2019
Water quality – Gross alpha and gross beta activity – Test
method using thin source deposit

13.080.20 Fizikalna svojstva tla

Europska normizacija
CEN

EN ISO 17892-11:2019
Geotechnical investigation and testing – Laboratory testing of
soil – Part 11: Permeability tests (ISO 17892-11:2019)

13.080.30 Biološka svojstva tla

Međunarodna normizacija
ISO

ISO 21286:2019
Soil quality – Identification of ecotoxicological test species by
DNA barcoding

ISO 23753-1:2019
Soil quality – Determination of dehydrogenases activity in soils
– Part 1: Method using triphenyltetrazolium chloride (TTC)

ISO 23753-2:2019
Soil quality – Determination of dehydrogenases activity in
soils – Part 2: Method using iodotetrazolium chloride (INT)

13.110 Sigurnost strojeva

Europska normizacija
CEN

EN ISO 19353:2019
Safety of machinery – Fire prevention and fire protection
(ISO 19353:2019)

CENELEC

EN IEC 61496-3:2019
Safety of machinery – Electro-sensitive protective equipment
– Part 3: Particular requirements for active opto-electronic
protective devices responsive to diffuse Reflection
(AOPDDR) (IEC 61496-3:2018)

13.160 Utjecaj vibracija i udara na ljude

Europska normizacija
CEN

EN ISO 10819:2013/A1:2019
Mechanical vibration and shock – Hand-arm vibration
– Measurement and evaluation of the vibration transmissibility
of gloves at the palm of the hand – Amendment 1
(ISO 10819:2013/Amd 1:2019)

13.180 Ergonomija

Europska normizacija
CEN

EN 17161:2019
Design for All – Accessibility following a Design for All
approach in products, goods and services – Extending the
range of users

**Međunarodna normizacija
ISO**

ISO 27501:2019
The human-centred organization – Guidance for managers

**13.200 Zaštita od nezgoda i velikih
nesreća**

**Europska normizacija
CEN**

CWA 17357:2019
Urban search and rescue (USaR) robotic platform technical
and procedural interoperability – Guide

13.220.01 Zaštita od požara općenito

**Međunarodna normizacija
ISO**

ISO 24679-1:2019
Fire safety engineering – Performance of structures in fire
– Part 1: General

13.220.20 Zaštita od požara

**Međunarodna normizacija
ISO**

ISO 6182-4:2019
Fire protection – Automatic sprinkler systems – Part 4:
Requirements and test methods for quick opening devices

ISO 6182-14:2019
Fire protection – Automatic nozzle systems – Part 14:
Requirements and test methods for water spray nozzles

**13.220.50 Vatrootpornost građevnih
materijala i elemenata**

**Europska normizacija
CEN**

EN 15269-11+A1:2019
Extended application of test results for fire resistance and/
or smoke control for door, shutter and openable window
assemblies, including their elements of building hardware
– Part 11: Fire resistance for operable fabric curtains

**13.260 Zaštita od električnog udara. Rad
pod naponom**

**Europska normizacija
CENELEC**

EN IEC 60900:2018/AC:2019
Live working – Hand tools for use up to 1000 V AC and
1500 V DC (IEC 60900:2018/COR1:2019)

13.280 Zaštita od zračenja

**Međunarodna normizacija
ISO**

ISO 10704:2019
Water quality – Gross alpha and gross beta activity – Test
method using thin source deposit

**13.320 Alarmni sustavi i sustavi
uzbunjivanja**

**Europska normizacija
CENELEC**

EN 50436-4:2019
Alcohol interlocks – Test methods and performance
requirements – Part 4: Connection and digital interface
between the alcohol interlock and the vehicle

13.340.10 Zaštitna odjeća

**Europska normizacija
CEN**

CEN/TR 17330:2019
Guidelines for selection, use, care and maintenance of
protective clothing against foul weather, wind and cold

13.340.40 Zaštita ruku i šaka

**Europska normizacija
CEN**

EN ISO 10819:2013/A1:2019
Mechanical vibration and shock – Hand-arm vibration
– Measurement and evaluation of the vibration transmissibility
of gloves at the palm of the hand – Amendment 1
(ISO 10819:2013/Amd 1:2019)

17.020 Mjeriteljstvo i mjerenje općenito

**Međunarodna normizacija
ISO**

ISO 11843-6:2019
Capability of detection – Part 6: Methodology for the
determination of the critical value and the minimum detectable
value in Poisson distributed measurements by normal
approximations

17.040.20 Svojstva površina

**Međunarodna normizacija
ISO**

ISO 25178-600:2019
Geometrical product specifications (GPS) – Surface texture:
Areal – Part 600: Metrological characteristics for areal
topography measuring methods

17.120.10 Protok u zatvorenim cjevovodima

**Međunarodna normizacija
ISO**

ISO 5167-6:2019
Measurement of fluid flow by means of pressure differential
devices inserted in circular cross-section conduits running full
– Part 6: Wedge meters

**17.140.01 Akustička mjerenja i smanjenje
buke općenito**

**Međunarodna normizacija
ISO**

ISO 3740:2019
Acoustics – Determination of sound power levels of noise
sources – Guidelines for the use of basic standards

17.140.20 Buka koju proizvode strojevi i oprema

Europska normizacija
CEN

EN ISO 17201-3:2019
Acoustics – Noise from shooting ranges – Part 3: Sound propagation calculations (ISO 17201-3:2019)

17.140.30 Buka koju proizvode prijevozna sredstva

Međunarodna normizacija
ISO

ISO 13473-1:2019
Characterization of pavement texture by use of surface profiles – Part 1: Determination of mean profile depth

17.200.10 Toplina. Kalorimetrija

Europska normizacija
CEN

EN 1434-5+A1:2019
Thermal energy meters – Part 5: Initial verification tests

EN 1434-6+A1:2019
Thermal energy meters – Part 6: Installation, commissioning, operational monitoring and maintenance

17.220.20 Mjerenje električnih i magnetskih veličina

Europska normizacija
CENELEC

EN 61010-1:2010/A1:2019
Safety requirements for electrical equipment for measurement, control, and laboratory use – Part 1: General requirements (IEC 61010-1:2010/A1:2016 , modified)

Međunarodna normizacija
IEC

IEC 60051-9:2019
Direct acting indicating analogue electrical measuring instruments and their accessories – Part 9: Recommended test methods

17.240 Mjerenja zračenja

Međunarodna normizacija
ISO

ISO 11929-1:2019
Determination of the characteristic limits (decision threshold, detection limit and limits of the coverage interval) for measurements of ionizing radiation – Fundamentals and application – Part 1: Elementary applications

ISO 11929-2:2019
Determination of the characteristic limits (decision threshold, detection limit and limits of the coverage interval) for measurements of ionizing radiation – Fundamentals and application – Part 2: Advanced applications

ISO 11929-3:2019
Determination of the characteristic limits (decision threshold, detection limit and limits of the coverage interval) for measurements of ionizing radiation – Fundamentals and application – Part 3: Applications to unfolding methods

19.080 Električna i elektronička ispitivanja

Europska normizacija
CENELEC

EN 61010-1:2010/A1:2019
Safety requirements for electrical equipment for measurement, control, and laboratory use – Part 1: General requirements (IEC 61010-1:2010/A1:2016 , modified)

21.060.01 Spojni elementi općenito

Međunarodna normizacija
ISO

ISO/TR 20491:2019
Fasteners – Fundamentals of hydrogen embrittlement in steel fasteners

21.100.10 Klizni ležajevi

Međunarodna normizacija
ISO

ISO 4384-1:2019
Plain bearings – Hardness testing of bearing metals – Part 1: Multilayer bearings materials

21.120.40 Uravnoteženje i strojevi za uravnoteženje

Međunarodna normizacija
ISO

ISO 21940-1:2019
Mechanical vibration – Rotor balancing – Part 1: Introduction

23.040.10 Cijevi od lijevanog željeza i čelika

Međunarodna normizacija
ISO

ISO 10893-6:2019
Non-destructive testing of steel tubes – Part 6: Radiographic testing of the weld seam of welded steel tubes for the detection of imperfections

ISO 10893-7:2019
Non-destructive testing of steel tubes – Part 7: Digital radiographic testing of the weld seam of welded steel tubes for the detection of imperfections

23.040.20 Plastične cijevi

Europska normizacija
CEN

EN ISO 11296-7:2019
Plastics piping systems for renovation of underground non-pressure drainage and sewerage networks – Part 7: Lining with spirally-wound pipes (ISO 11296-7:2019)

Međunarodna normizacija
ISO

ISO 6964:2019
Polyolefin pipes and fittings – Determination of carbon black content by calcination and pyrolysis – Test method

ISO 10146:2019
Crosslinked polyethylene (PE-X) and crosslinked medium density polyethylene (PE-MDX) – Effect of time and temperature on expected strength

23.040.45 Plastične spojnice

Europska normizacija
CEN

EN ISO 11296-7:2019
Plastics piping systems for renovation of underground non-pressure drainage and sewerage networks – Part 7: Lining with spirally-wound pipes (ISO 11296-7:2019)

23.040.70 Crijeva i crijevni sklopovi

Međunarodna normizacija
ISO

ISO 19385 AMD 1:2019
Rubber and plastics hoses and hose assemblies, wire- or textile-reinforced, for water jetting or water blasting applications – Specification; Amendment 1

23.060.40 Regulatori tlaka

Međunarodna normizacija
IEC

IEC 60534-3-1:2019
Industrial-process control valves – Part 3-1: Dimensions – Face-to-face dimensions for flanged, two-way, globe-type, straight pattern and centre-to-face dimensions for flanged, two-way, globe-type, angle pattern control valves

23.080 Pumpe

Europska normizacija
CEN

EN ISO 14414:2019
Pump system energy assessment (ISO/ASME 14414:2019)

23.100.01 Sustavi za hidraulički i pneumatski prijenos energije općenito

Međunarodna normizacija
ISO

ISO 19973-2 AMD 1:2019
Pneumatic fluid power – Assessment of component reliability by testing – Part 2: Directional control valves; Amendment 1

23.100.40 Cijevovodi i spojnice

Europska normizacija
CEN

EN 856+AC:2019
Rubber hoses and hose assemblies – Rubber-covered spiral wire reinforced hydraulic type – Specification

25.040.30 Industrijski roboti. Manipulatori

Europska normizacija
CEN

CWA 17357:2019
Urban search and rescue (USaR) robotic platform technical and procedural interoperability – Guide

25.040.40 Mjerenje i upravljanje u industrijskim procesima

Europska normizacija
CENELEC

CLC/TR 62453-51-20:2019
Field device tool (FDT) interface specification – Part 51-20: Communication implementation for common object model – IEC 61784 CPF 2 (IEC/TR 62453-51-20:2017)

CLC/TR 62453-51-31:2019
Field device tool (FDT) interface specification – Part 51-31: Communication implementation for common object model – IEC 61784 CP 3/1 and CP 3/2 (IEC/TR 62453-51-31:2017)

CLC/TR 62453-51-32:2019
Field device tool (FDT) interface specification – Part 51-32: Communication implementation for common object model – IEC 61784 CP 3/4, CP 3/5 and CP 3/6 (IEC/TR 62453-51-32:2017)

CLC/TR 62453-51-60:2019
Field device tool (FDT) interface specification – Part 51-60: Communication implementation for common object model – IEC 61784 CPF 6 (IEC/TR 62453-51-60:2017)

CLC/TR 62453-51-90:2019
Field device tool (FDT) interface specification – Part 51-90: Communication implementation for common object model – IEC 61784 CPF 9 (IEC/TR 62453-51-90:2017)

CLC IEC/TR 62453-51-150:2019
Field device tool (FDT) interface specification – Part 51-150: Communication implementation for common object model – IEC 61784 CPF 15 (IEC/TR 62453-51-150:2017)

CLC IEC/TR 62453-52-31:2019
Field device tool (FDT) interface specification – Part 52-31: Communication implementation for common language infrastructure – IEC 61784 CP 3/1 and CP 3/2 (IEC/TR 62453-52-31:2017)

CLC IEC/TR 62453-52-32:2019
Field device tool (FDT) interface specification – Part 52-32: Communication implementation for common language infrastructure – IEC 61784 CP 3/4, CP 3/5 and CP 3/6 (IEC/TR 62453-52-32:2017)

CLC IEC/TR 62453-52-90:2019
Field device tool (FDT) interface specification – Part 52-90: Communication implementation for common language infrastructure – IEC 61784 CPF 9 (IEC/TR 62453-52-90:2017)

CLC IEC/TR 62453-52-150:2019
Field device tool (FDT) interface specification – Part 52-150: Communication implementation for common language infrastructure – IEC 61784 CPF 15 (IEC/TR 62453-52-150:2017)

Međunarodna normizacija
IEC

IEC 60534-3-1:2019
Industrial-process control valves – Part 3-1: Dimensions – Face-to-face dimensions for flanged, two-way, globe-type, straight pattern and centre-to-face dimensions for flanged, two-way, globe-type, angle pattern control valves

IEC 62443-4-2:2019
Security for industrial automation and control systems – Part 4-2: Technical security requirements for IACS components

25.160.01 Zavarivanje, meko i tvrdo lemljenje općenito

Međunarodna normizacija
ISO

ISO 14731:2019
Welding coordination – Tasks and responsibilities

25.160.10 Proces i zavarivanja

Međunarodna normizacija
ISO

ISO 17677-1:2019
Resistance welding – Vocabulary – Part 1: Spot, projection and seam welding

25.160.40 Zavareni spojevi i zavari

Europska normizacija CEN

EN 14728:2019
Imperfections in thermoplastic welds – Classification

EN ISO 5178:2019
Destructive tests on welds in metallic materials – Longitudinal tensile test on weld metal in fusion welded joints (ISO 5178:2019)

EN ISO 13588:2019
Non-destructive testing of welds – Ultrasonic testing – Use of automated phased array technology (ISO 13588:2019)

Međunarodna normizacija ISO

ISO 13588:2019
Non-destructive testing of welds – Ultrasonic testing – Use of automated phased array technology

25.220.20 Površinska obrada

Europska normizacija CEN

EN 17120:2019
Photocatalysis – Water purification – Performance of photocatalytic materials by measurement of phenol degradation

Međunarodna normizacija ISO

ISO 2063-1:2019
Thermal spraying – Zinc, aluminium and their alloys – Part 1: Design considerations and quality requirements for corrosion protection systems

ISO 18771:2019
Anodizing of aluminium and its alloys – Method to test the surface abrasion resistance using glass-coated abrasive paper

25.220.40 Metalne prevlake

Međunarodna normizacija ISO

ISO 2063-1:2019
Thermal spraying – Zinc, aluminium and their alloys – Part 1: Design considerations and quality requirements for corrosion protection systems

27.010 Tehnika prijenosa energije i topline općenito

Europska normizacija CENELEC

EN IEC 62933-2-1:2018/AC:2019
Electrical energy storage (EES) systems – Part 2-1: Unit parameters and testing methods – General specification (IEC 62933-2-1:2017/COR1:2019)

27.015 Energetska učinkovitost. Očuvanje energije općenito

Međunarodna normizacija ISO

ISO 50021:2019
Energy management and energy savings – General guidelines for selecting energy savings evaluators

ISO 50046:2019
General methods for predicting energy savings

IEC

IEC 60364-8-1:2019
Low-voltage electrical installations – Part 8-1: Functional aspects – Energy efficiency

27.060.30 Kotlovi i izmjenjivači topline

Europska normizacija CEN

EN ISO 16812:2019
Petroleum, petrochemical and natural gas industries – Shell-and-tube heat exchangers (ISO 16812:2019)

27.070 Gorivi članci

Međunarodna normizacija IEC

IEC 62282-3-100:2019
Fuel cell technologies – Part 3-100: Stationary fuel cell power systems – Safety

27.100 Elektrane općenito

Europska normizacija CENELEC

EN 50549-1:2019
Requirements for generating plants to be connected in parallel with distribution networks – Part 1: Connection to a LV distribution network – Generating plants up to and including Type B

27.120.20 Nuklearne elektrane. Sigurnost

Međunarodna normizacija ISO

ISO 18195:2019
Method for the justification of fire partitioning in water cooled nuclear power plants (NPP)

IEC

IEC 61225:2019
Nuclear power plants – Instrumentation, control and electrical power systems – Requirements for static uninterruptible DC and AC power supply systems

27.120.30 Fisijski materijali i tehnologija nuklearnog goriva

Međunarodna normizacija ISO

ISO 9161:2019
Uranium dioxide powder – Determination of apparent density and tap density

27.160 Solarna energetika

Europska normizacija CEN

CEN/TR 16999:2019
Solar energy systems for roofs – Requirements for structural connections to solar panels

CENELEC

EN 62852:2015/AC:2019
Connectors for DC-application in photovoltaic systems – Safety requirements and tests (IEC 62852:2014)

Međunarodna normizacija IEC

IEC 60904-3:2019
Photovoltaic devices – Part 3: Measurement principles for terrestrial photovoltaic (PV) solar devices with reference spectral irradiance data

27.180 Sustavi vjetroagregata

Međunarodna normizacija IEC

IEC 61400-1:2019
Wind energy generation systems – Part 1: Design requirements

29.020 Elektrotehnika općenito

Europska normizacija CENELEC

EN IEC 62474:2019
Material declaration for products of and for the electrotechnical industry (IEC 62474:2018)

HD 60364-7-721:2019
Low-voltage electrical installations – Part 7-721: Requirements for special installations or locations – Electrical installations in caravans and motor caravans (IEC 60364-7-721:2017, modified)

29.060.20 Kabeli

Međunarodna normizacija IEC

IEC 63075:2019
Superconducting ac power cables and their accessories for rated voltages from 6 kV to 500 kV – Test methods and requirements

29.100.10 Magnetski sastavni dijelovi

Međunarodna normizacija IEC

IEC 63093-13:2019
Ferrite cores – Guidelines on dimensions and the limits of surface irregularities – Part 13: PQ-cores

29.100.99 Ostali električki sastavni dijelovi

Europska normizacija CENELEC

EN 60529:1991/A2:2013/AC:2019
Degrees of protection provided by enclosures (IP Code) (IEC 60529:1989/A2:2013/COR1:2019)

29.120.30 Utikači, utičnice, spreznici

Europska normizacija CENELEC

EN 62852:2015/AC:2019
Connectors for DC-application in photovoltaic systems – Safety requirements and tests (IEC 62852:2014)

29.120.40 Sklopke

Europska normizacija CENELEC

EN 61058-1-1:2016/AC:2019
Switches for appliances – Part 1-1: Requirements for mechanical switches (IEC 61058-1-1:2016)

EN 61058-1-2:2016/AC:2019
Switches for appliances – Part 1-2: Requirements for electronic switches (IEC 61058-1-2:2016)

29.120.50 Osigurači i ostale naprave za nadstrujnu zaštitu

Međunarodna normizacija IEC

IEC 62271-111:2019
High-voltage switchgear and controlgear – Part 111: Automatic circuit reclosers for alternating current systems up to and including 38 kV

IEC 62752 Corrigendum 1:2019
In-cable control and protection device for mode 2 charging of electric road vehicles (IC-CPD); Corrigendum 1

29.120.70 Sklopnici (releji)

Međunarodna normizacija IEC

IEC 60255-181:2019
Measuring relays and protection equipment – Part 181: Functional requirements for frequency protection

29.130.01 Rasklopnici i upravljački uređaji općenito

Međunarodna normizacija IEC

IEC 60364-5-53:2019
Low-voltage electrical installations – Part 5-53: Selection and erection of electrical equipment – Devices for protection for safety, isolation, switching, control and monitoring

29.130.10 Visokonaponski rasklopnici i upravljački uređaji

Međunarodna normizacija IEC

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

29.140.30 Fluorescentne svjetiljke. Svjetiljke s izbojem

Europska normizacija CENELEC

EN 60188:2001/A11:2019
High-pressure mercury vapour lamps – Performance specifications

EN 60662:2012/A11:2019
High-pressure sodium vapour lamps – Performance specifications

29.160.20 Generatori

Europska normizacija CENELEC

EN 50549-1:2019
Requirements for generating plants to be connected in parallel with distribution networks – Part 1: Connection to a LV distribution network – Generating plants up to and including Type B

EN 50549-2:2019
Requirements for generating plants to be connected in parallel with distribution networks – Part 2: Connection to a MV distribution network – Generating plants up to and including Type B

29.220.20 Kiseli sekundarni članci i baterije

Europska normizacija CENELEC

EN IEC 62660-1:2019
Secondary lithium-ion cells for the propulsion of electric road vehicles – Part 1: Performance testing (IEC 62660-1:2018)

EN IEC 62660-2:2019
Secondary lithium-ion cells for the propulsion of electric road vehicles – Part 2: Reliability and abuse testing (IEC 62660-2:2018)

Međunarodna normizacija IEC

IEC 62902:2019
Secondary cells and batteries – Marking symbols for identification of their chemistry

29.220.30 Alkalni sekundarni članci i baterije

Međunarodna normizacija IEC

IEC 62902:2019
Secondary cells and batteries – Marking symbols for identification of their chemistry

29.240.20 Vodovi za prijenos i razdiobu električne energije

Europska normizacija CENELEC

EN 50341-2-24:2019
Overhead electrical lines exceeding AC 1 kV – Part 2-24: National Normative Aspects (NNA) for Romania (based on EN 50341-1:2012)

31.080.99 Ostale poluvodičke naprave

Međunarodna normizacija IEC

IEC 62830-4:2019
Semiconductor devices – Semiconductor devices for energy harvesting and generation – Part 4: Test and evaluation methods for flexible piezoelectric energy harvesting devices

IEC 62951-4:2019
Semiconductor devices – Flexible and stretchable semiconductor devices – Part 4: Fatigue evaluation for flexible conductive thin film on the substrate for flexible semiconductor devices

IEC 62951-5:2019
Semiconductor devices – Flexible and stretchable semiconductor devices – Part 5: Test method for thermal characteristics of flexible materials

IEC 62951-7:2019
Semiconductor devices – Flexible and stretchable semiconductor devices – Part 7: Test method for characterizing the barrier performance of thin film encapsulation for flexible organic semiconductor

31.120 Elektronički uređaji za prikazivanje

Međunarodna normizacija IEC

IEC/TR 62629-41-1:2019
3D display devices – Part 41-1: Holographic display – General information

31.200 Integrirani krugovi. Mikroelektronika

Europska normizacija CENELEC

EN IEC 61967-1:2019
Integrated circuits – Measurement of electromagnetic emissions – Part 1: General conditions and definitions (IEC 61967-1:2018)

31.220.01 Elektromehanički sastavni dijelovi općenito

Međunarodna normizacija IEC

IEC 62951-4:2019
Semiconductor devices – Flexible and stretchable semiconductor devices – Part 4: Fatigue evaluation for flexible conductive thin film on the substrate for flexible semiconductor devices

IEC 62951-5:2019
Semiconductor devices – Flexible and stretchable semiconductor devices – Part 5: Test method for thermal characteristics of flexible materials

IEC 62951-7:2019
Semiconductor devices – Flexible and stretchable semiconductor devices – Part 7: Test method for characterizing the barrier performance of thin film encapsulation for flexible organic semiconductor

31.260 Optoelektronika. Laserska oprema

Europska normizacija CENELEC

EN IEC 61496-3:2019
Safety of machinery – Electro-sensitive protective equipment – Part 3: Particular requirements for active opto-electronic protective devices responsive to diffuse Reflection (AOPDDR) (IEC 61496-3:2018)

Međunarodna normizacija IEC

IEC 60825-12:2019
Safety of laser products – Part 12: Safety of free space optical communication systems used for transmission of information

IEC/TR 62629-41-1:2019
3D display devices – Part 41-1: Holographic display – General information

33.040.01 Telekomunikacijski sustavi općenito

Europska normizacija ETSI

ETSI TS 102900 V 1.3.1:2019
Emergency Communications (EMTEL) – European Public Warning System (EU-ALERT) using the Cell Broadcast Service

ETSI TR 103438 V 1.1.1:2019
User Group – User centric approach in Digital Ecosystem

ETSI TS 119102-2 V 1.2.1:2019
Electronic Signatures and Infrastructures (ESI) – Procedures for Creation and Validation of AdES Digital Signatures – Part 2: Signature Validation Report

ETSI TS 119312 V 1.3.1:2019
Electronic Signatures and Infrastructures (ESI) – Cryptographic Suites

ETSI TS 119403-3 V 1.1.1:2019
Electronic Signatures and Infrastructures (ESI) – Trust Service Provider Conformity Assessment – Part 3: Additional requirements for conformity assessment bodies assessing EU qualified trust service providers

ETSI TS 119442 V 1.1.1:2019
Electronic Signatures and Infrastructures (ESI) – Protocol profiles for trust service providers providing AdES digital signature validation services

ETSI TR 119500 V 1.1.1:2019
Business Driven Guidance for Trust Application Service Providers

ETSI TS 119524-1 V 1.1.1:2019
Electronic Signatures and Infrastructures (ESI) – Testing Conformance and Interoperability of Electronic Registered Delivery Services – Part 1: Testing conformance

ETSI TS 119524-2 V 1.1.1:2019
Electronic Signatures and Infrastructures (ESI) – Testing Conformance and Interoperability of Electronic Registered Delivery Services – Part 2: Test suites for interoperability testing of Electronic Registered Delivery Service Providers

ETSI TR 119530 V 1.1.1:2019
Electronic Signatures and Infrastructures (ESI) – Registered Electronic Mail (REM) – Feasibility study: Interoperability profile between ETSI EN 319 532-based REM systems and PReM-based systems

ETSI TS 119534-1 V 1.1.1:2019
Electronic Signatures and Infrastructures (ESI) – Testing Conformance and Interoperability of Registered Electronic Mail Services – Part 1: Testing conformance

ETSI TS 119534-2 V 1.1.1:2019
Electronic Signatures and Infrastructures (ESI) – Testing Conformance and Interoperability of Registered Electronic Mail Services – Part 2: Test suites for interoperability testing of providers using same format and transport protocols

ETSI ES 202336-12 V 1.2.1:2019
Environmental Engineering (EE) – Monitoring and control interface for infrastructure equipment (power, cooling and building environment systems used in telecommunication networks) – Part 12: ICT equipment power, energy and environmental parameters monitoring information model

ETSI GS OEU 016 V 1.1.1:2019
Energy Consumption Measurement of Operational Information Technology Storage Units

33.040.99 Ostala oprema za komunikacijske sustave

Europska normizacija ETSI

ETSI TS 103645 V 1.1.1:2019
CYBER – Cyber Security for Consumer Internet of Things

ETSI GS ISI 006 V 1.1.1:2019
Information Security Indicators (ISI) – An ISI-driven Measurement and Event Management Architecture (IMA) and CSlang – A common ISI Semantics Specification Language

33.060.01 Radiokomunikacije općenito

Europska normizacija ETSI

ETSI TS 103652-1 V 1.1.1:2019
Reconfigurable Radio Systems (RRS) – evolved Licensed Shared Access (eLSA) – Part 1: System requirements

33.060.20 Prijamna i odašiljačka oprema

Europska normizacija ETSI

EN 303098 V 2.2.1:2019
Maritime low power personal locating devices employing AIS – Harmonised Standard for access to radio spectrum

33.070.50 Globalni sustavi za pokretne komunikacije (GSM)

Europska normizacija ETSI

ETSI TR 103554-1 V 1.2.1:2019
Rail Telecommunications (RT) – Next Generation Communication System – Radio performance simulations and evaluations in rail environment – Part 1: Long Term Evolution (LTE)

33.100.10 Zračenje

Europska normizacija CENELEC

EN IEC 61967-1:2019
Integrated circuits – Measurement of electromagnetic emissions – Part 1: General conditions and definitions (IEC 61967-1:2018)

ETSI

EN 303098 V 2.2.1:2019
Maritime low power personal locating devices employing AIS – Harmonised Standard for access to radio spectrum

ETSI TR 103493 V 1.1.1:2019
System Reference document (SRdoc) – Wireless Power Transmission (WPT) systems operating below 30 MHz

ETSI TR 103498 V 1.1.1:2019
System Reference document (SRdoc) – Short Range Devices (SRD) using Ultra Wide Band (UWB) – Transmission characteristics – Technical characteristics for SRD equipment using Ultra Wide Band technology (UWB) – Radiodetermination application within the frequency range 120 GHz to 260 GHz

33.100.20 Otpornost

Europska normizacija CENELEC

EN 55016-4-2:2011/A2:2018/AC:2019
Specification for radio disturbance and immunity measuring apparatus and methods – Part 4-2: Uncertainties, statistics and limit modelling – Measurement instrumentation uncertainty (CISPR 16-4-2:2011/A2:2018/COR1:2019)

EN IEC 61000-6-1:2019
Electromagnetic compatibility (EMC) – Part 6-1: Generic standards – Immunity standard for residential, commercial and light-industrial environments (IEC 61000-6-1:2016)

EN IEC 61000-6-2:2019
Electromagnetic compatibility (EMC) – Part 6-2: Generic standards – Immunity standard for industrial environments (IEC 61000-6-2:2016)

33.120.10 Koaksijalni kabeli. Valovodi

Međunarodna normizacija IEC

IEC 60966-1:2019
Radio frequency and coaxial cable assemblies – Part 1: Generic specification – General requirements and test methods

33.140 Posebna mjerna oprema za upotrebu u telekomunikacijama

Europska normizacija CENELEC

EN IEC 62087-7:2019
Audio, video, and related equipment – Methods of measurement for power consumption – Part 7: Computer monitors (IEC 62087-7:2018)

33.160.10 Pojačala

Europska normizacija
CENELEC

EN IEC 62087-7:2019
Audio, video, and related equipment – Methods of measurement for power consumption – Part 7: Computer monitors (IEC 62087-7:2018)

33.160.40 Videosustavi

Europska normizacija
CENELEC

EN IEC 63033-2:2019
Car multimedia systems and equipment – Drive monitoring system – Part 2: Recording methods of the drive monitoring system (IEC 63033-2:2018)

33.170 Televizijski i radijski prijenos

Europska normizacija
ETSI

ETSI TS 102980 V 2.1.2:2019
Digital Audio Broadcasting (DAB) – Dynamic Label Plus (DL Plus) – Application specification

33.180.01 Svjetlovodni sustavi općenito

Međunarodna normizacija
IEC

IEC 62496-4-1:2019
Optical circuit boards – Part 4-1: Interface standards – Terminated waveguide OCB assembly using single-row twelve-channel PMT connectors

33.180.10 Svjetlovodna vlakna i kabele

Međunarodna normizacija
IEC

IEC 60793-1-31:2019
Optical fibres – Part 1-31: Measurement methods and test procedures – Tensile strength

33.180.30 Optička pojačala

Međunarodna normizacija
IEC

IEC 62343-1:2019
Dynamic modules – Part 1: Performance standards – General conditions

35.020 Informacijska tehnologija (IT) općenito

Međunarodna normizacija
ISO/IEC

ISO/IEC 20546:2019
Information technology – Big data – Overview and vocabulary

ISO/IEC 21823-1:2019
Internet of things (IoT) – Interoperability for internet of things systems – Part 1: Framework

35.030 Informatička sigurnost

Europska normizacija
CEN

EN 419241-2:2019
Trustworthy Systems Supporting Server Signing – Part 2: Protection profile for QSCD for Server Signing

ETSI

ETSI TS 103645 V 1.1.1:2019
CYBER – Cyber Security for Consumer Internet of Things

ETSI GS ISI 006 V 1.1.1:2019
Information Security Indicators (ISI) – An ISI-driven Measurement and Event Management Architecture (IMA) and CSlang – A common ISI Semantics Specification Language

Međunarodna normizacija
IEC

IEC 62443-4-2:2019
Security for industrial automation and control systems – Part 4-2: Technical security requirements for IACS components

35.040.40 Kodiranje audioinformacija, videoinformacija, multimedijjskih i hipermedijjskih informacija

Međunarodna normizacija
ISO/IEC

ISO/IEC 14496-33:2019
Information technology – Coding of audio-visual objects – Part 33: Internet video coding

ISO/IEC 23005-5:2019
Information technology – Media context and control – Part 5: Data formats for interaction devices

ISO/IEC 23008-3:2019
Information technology – High efficiency coding and media delivery in heterogeneous environments – Part 3: 3D audio

35.040.50 Tehnike automatskog prepoznavanja i preuzimanja podataka

Europska normizacija
CEN

EN 17071:2019
Information technology – Automatic identification and data capture techniques – Electronic identification plate

Međunarodna normizacija
ISO/IEC

ISO/IEC 15434:2019
Information technology – Automatic identification and data capture techniques – Syntax for high-capacity ADC media

ISO/IEC 15961-3:2019
Information technology – Data protocol for radio frequency identification (RFID) for item management – Part 3: RFID data constructs

35.080 Softver (programaska podrška)

Međunarodna normizacija
ISO/IEC

ISO/IEC/IEEE 24748-7:2019
Systems and software engineering – Life cycle management – Part 7: Application of systems engineering on defense programs

ISO/IEC/IEEE 24748-8:2019
Systems and software engineering – Life cycle management – Part 8: Technical reviews and audits on defense programs

ISO/IEC/IEEE 41062:2019
Software engineering – Recommended practice for software acquisition

35.110 Umrežavanje

Europska normizacija CENELEC

- CLC/TR 62453-51-20:2019
Field device tool (FDT) interface specification – Part 51-20:
Communication implementation for common object model
– IEC 61784 CPF 2 (IEC/TR 62453-51-20:2017)
- CLC/TR 62453-51-31:2019
Field device tool (FDT) interface specification – Part 51-31:
Communication implementation for common object model
– IEC 61784 CP 3/1 and CP 3/2 (IEC/TR 62453-51-31:2017)
- CLC/TR 62453-51-32:2019
Field device tool (FDT) interface specification – Part 51-32:
Communication implementation for common object
model – IEC 61784 CP 3/4, CP 3/5 and CP 3/6
(IEC/TR 62453-51-32:2017)
- CLC/TR 62453-51-60:2019
Field device tool (FDT) interface specification – Part 51-60:
Communication implementation for common object model
– IEC 61784 CPF 6 (IEC/TR 62453-51-60:2017)
- CLC/TR 62453-51-90:2019
Field device tool (FDT) interface specification – Part 51-90:
Communication implementation for common object model
– IEC 61784 CPF 9 (IEC/TR 62453-51-90:2017)
- CLC IEC/TR 62453-51-150:2019
Field device tool (FDT) interface specification – Part 51-150:
Communication implementation for common object model
– IEC 61784 CPF 15 (IEC/TR 62453-51-150:2017)
- CLC IEC/TR 62453-52-31:2019
Field device tool (FDT) interface specification – Part 52-31:
Communication implementation for common language
infrastructure – IEC 61784 CP 3/1 and CP 3/2
(IEC/TR 62453-52-31:2017)
- CLC IEC/TR 62453-52-32:2019
Field device tool (FDT) interface specification – Part 52-32:
Communication implementation for common language
infrastructure – IEC 61784 CP 3/4, CP 3/5 and CP 3/6
(IEC/TR 62453-52-32:2017)
- CLC IEC/TR 62453-52-90:2019
Field device tool (FDT) interface specification – Part 52-90:
Communication implementation for common language
infrastructure – IEC 61784 CPF 9 (IEC/TR 62453-52-90:2017)
- CLC IEC/TR 62453-52-150:2019
Field device tool (FDT) interface specification – Part 52-150:
Communication implementation for common language
infrastructure – IEC 61784 CPF 15 (IEC/TR 62453-52-150:2017)

ETSI

- ETSI TS 103652-1 V 1.1.1:2019
Reconfigurable Radio Systems (RRS) – evolved Licensed
Shared Access (eLSA) – Part 1: System requirements

Međunarodna normizacija ISO/IEC

- ISO/IEC/IEEE 8802-A AMD 2:2019
Information technology – Telecommunications and information
exchange between systems – Local and metropolitan area
networks – Part A: Overview and architecture – Amendment 2:
Local medium access control (MAC) address usage
- ISO/IEC/IEEE 8802-1CB:2019
Information technology – Telecommunications and information
exchange between systems – Local and metropolitan
area networks – Specific requirements – Part 1CB: Frame
replicator and elimination for reliability
- ISO/IEC/IEEE 8802-1Q AMD 6:2019
Information technology – Telecommunications and information
exchange between systems – Local and metropolitan area
networks – Specific requirements – Part 1Q: Bridges and
bridged networks – Amendment 6: Per-stream filtering and
policing

ISO/IEC/IEEE 8802-1Q AMD 7:2019
Information technology – Telecommunications and information
exchange between systems – Local and metropolitan area
networks – Specific requirements – Part 1Q: Bridges and
bridged networks – Amendment 7: Cyclic queuing and
forwarding

ISO/IEC/IEEE 8802-3 AMD 10:2019
Information technology – Telecommunications and information
exchange between systems – Local and metropolitan area
networks – Specific requirements – Part 3: Standard for
Ethernet – Amendment 10: Media access control parameters,
physical layers, and management parameters for 200 Gb/s
and 400 Gb/s operation

ISO/IEC/IEEE 8802-3 AMD 11:2019
Information technology – Telecommunications and information
exchange between systems – Local and metropolitan area
networks – Specific requirements – Part 3: Standard for
Ethernet – Amendment 11: Physical layer and management
parameters for serial 25 Gb/s ethernet operation over
single-mode fiber

ISO/IEC/IEEE 8802-11 AMD 1:2019
Information technology – Telecommunications and information
exchange between systems – Local and metropolitan area
networks – Specific requirements – Part 11: Wireless LAN
medium access control (MAC) and physical layer (PHY)
specifications – Amendment 1: Fast initial link setup

35.140 Računalna grafika

Međunarodna normizacija ISO/IEC

ISO/IEC 18039:2019
Information technology – Computer graphics, image
processing and environmental data representation – Mixed
and augmented reality (MAR) reference model

35.200 Sučelna i spojna oprema

Međunarodna normizacija ISO/IEC

ISO/IEC 30129 AMD 1:2019
Information technology – Telecommunications bonding
networks for buildings and other structures; Amendment 1

35.240.15 Identifikacijske kartice i pripadajuće naprave

Europska normizacija ETSI

- ETSI TS 102223 V 15.1.0:2019
Smart Cards – Card Application Toolkit (CAT) (Release 15)
- ETSI TS 102267 V 11.1.0:2019
Smart Cards – Connection Oriented Service API for the Java
Card(TM) platform (Release 11)
- ETSI TS 102267 V 12.0.0:2019-02
Smart Cards – Connection Oriented Service API for the Java
Card(TM) platform (Release 12)
- ETSI TS 102267 V 13.0.0:2019
Smart Cards – Connection Oriented Service API for the Java
Card(TM) platform (Release 13)
- ETSI TS 102267 V 14.0.0:2019
Smart Cards – Connection Oriented Service API for the Java
Card(TM) platform (Release 14)
- ETSI TS 102267 V 15.0.0:2019
Smart Cards – Connection Oriented Service API for the Java
Card(TM) platform (Release 15)
- ETSI TS 102483 V 9.0.0:2019
Smart cards – UICC-Terminal interface – Internet Protocol
connectivity between UICC and terminal (Release 9)
- ETSI TS 102483 V 10.0.0:2019
Smart cards – UICC-Terminal interface – Internet Protocol
connectivity between UICC and terminal (Release 10)

ETSI TS 102483 V 11.0.0:2019
Smart cards – UICC-Terminal interface – Internet Protocol connectivity between UICC and terminal (Release 11)

ETSI TS 102588 V 7.5.0:2019
Smart Cards – Application invocation Application Programming Interface (API) by a UICC webserver for Java Card platform (Release 7)

ETSI TS 102588 V 8.3.0:2019
Smart Cards – Application invocation Application Programming Interface (API) by a UICC webserver for Java Card platform (Release 8)

ETSI TS 102588 V 9.2.0:2019
Smart Cards – Application invocation Application Programming Interface (API) by a UICC webserver for Java Card platform (Release 9)

ETSI TS 102588 V 11.0.0:2019
Smart Cards – Application invocation Application Programming Interface (API) by a UICC webserver for Java Card platform (Release 11)

ETSI TS 102588 V 15.0.0:2019
Smart Cards – Application invocation Application Programming Interface (API) by a UICC webserver for Java Card platform (Release 15)

ETSI GS QKD 012 V 1.1.1:2019
Quantum Key Distribution (QKD) – Device and Communication Channel Parameters for QKD Deployment

ETSI GS QKD 014 V 1.1.1:2019
Quantum Key Distribution (QKD) – Protocol and data format of REST-based key delivery API

35.240.30 Primjene informacijske tehnologije u obavješćivanju, dokumentaciji i izdavaštvu

Europska normizacija ETSI

EN 319521 V 1.1.1:2019
Electronic Signatures and Infrastructures (ESI) – Policy and security requirements for Electronic Registered Delivery Service Providers

Međunarodna normizacija ISO

ISO 20677:2019
Image technology colour management – Extensions to architecture, profile format and data structure

35.240.50 Primjene informacijske tehnologije u industriji

Europska normizacija CENELEC

CLC IEC/TR 61508-0:2019
Functional safety of electrical/electronic/programmable electronic safety-related systems – Part 0: Functional safety and IEC 61508 (IEC/TR 61508-0:2005)

Međunarodna normizacija IEC

IEC 62443-4-2:2019
Security for industrial automation and control systems – Part 4-2: Technical security requirements for IACS components

35.240.60 Primjene informacijske tehnologije u prijevozu i trgovini

Europska normizacija CEN

EN 16157-2:2019
Intelligent transport systems – DATEX II data exchange specifications for traffic management and information – Part 2: Location referencing

EN ISO 17262:2012/A1:2019
Intelligent transport systems – Automatic vehicle and equipment identification – Numbering and data structures – Amendment 1 (ISO 17262:2012/Amd 1:2019)

EN ISO 24534-4:2010/A1:2019
Automatic vehicle and equipment identification – Electronic registration identification (ERI) for vehicles – Part 4: Secure communications using asymmetrical techniques; Amendment 1 (ISO 24534-4:2010/Amd 1:2019)

ETSI

ETSI TS 102941 V 1.3.1:2019
Intelligent Transport Systems (ITS) – Security – Trust and Privacy Management

Međunarodna normizacija ISO

ISO 17262 AMD 1:2019
Intelligent transport systems – Automatic vehicle and equipment identification – Numbering and data structures; Amendment 1

ISO 17264 AMD 1:2019
Intelligent transport systems – Automatic vehicle and equipment identification – Interfaces; Amendment 1

ISO/TR 24097-3:2019
Intelligent transport systems – Using web services (machine-machine delivery) for ITS service delivery – Part 3: Quality of service

ISO 24534-4 AMD 1:2019
Automatic vehicle and equipment identification – Electronic registration identification (ERI) for vehicles – Part 4: Secure communications using asymmetrical techniques; Amendment 1

ISO 24534-5 AMD 1:2019
Intelligent transport systems – Automatic vehicle and equipment identification – Electronic Registration Identification (ERI) for vehicles – Part 5: Secure communications using symmetrical techniques; Amendment 1

35.240.70 Primjene informacijske tehnologije u znanosti

Međunarodna normizacija ISO

ISO 19112:2019
Geographic information – Spatial referencing by geographic identifiers

ISO 19127:2019
Geographic information – Geodetic register

35.240.90 Primjene informacijske tehnologije u izobrazbi

Međunarodna normizacija ISO

ISO/IEC 19479:2019
Information technology for learning, education, and training – Learner mobility achievement information (LMAI)

37.100.99 Ostale norme koje se odnose na grafičku tehnologiju

Međunarodna normizacija ISO

ISO 20677:2019
Image technology colour management – Extensions to architecture, profile format and data structure

43.020 Cestovna vozila općenito

Europska normizacija CEN

EN ISO 24534-4:2010/A1:2019
Automatic vehicle and equipment identification – Electronic registration identification (ERI) for vehicles – Part 4: Secure communications using asymmetrical techniques; Amendment 1 (ISO 24534-4:2010/Amd 1:2019)

43.040.10 Električna i elektronička oprema

Europska normizacija CENELEC

EN 50436-4:2019
Alcohol interlocks – Test methods and performance requirements – Part 4: Connection and digital interface between the alcohol interlock and the vehicle

Međunarodna normizacija ISO

ISO 8820-6:2019
Road vehicles – Fuse-links – Part 6: Single-bolt fuse-links

43.040.15 Informatika vozila. Računalni sustavi u vozilu

Europska normizacija CENELEC

EN IEC 63033-2:2019
Car multimedia systems and equipment – Drive monitoring system – Part 2: Recording methods of the drive monitoring system (IEC 63033-2:2018)

Međunarodna normizacija ISO

ISO 20078-1:2019
Road vehicles – Extended vehicle (ExVe) web services – Part 1: Content

ISO 20078-2:2019
Road vehicles – Extended vehicle (ExVe) web services – Part 2: Access

43.060.40 Sustavi goriva

Međunarodna normizacija ISO

ISO 22241-1:2019
Diesel engines – NOx reduction agent AUS 32 – Part 1: Quality requirements

ISO 22241-2:2019
Diesel engines – NOx reduction agent AUS 32 – Part 2: Test methods

43.120 Električna cestovna vozila

Europska normizacija CEN

EN ISO 15118-4:2019
Road vehicles – Vehicle to grid communication interface – Part 4: Network and application protocol conformance test (ISO 15118-4:2018)

EN ISO 15118-5:2019
Road vehicles – Vehicle to grid communication interface – Part 5: Physical layer and data link layer conformance test (ISO 15118-5:2018)

EN ISO 15118-8:2019
Road vehicles – Vehicle to grid communication interface – Part 8: Physical layer and data link layer requirements for wireless communication (ISO 15118-8:2018)

CENELEC

EN IEC 62660-1:2019
Secondary lithium-ion cells for the propulsion of electric road vehicles – Part 1: Performance testing (IEC 62660-1:2018)

EN IEC 62660-2:2019
Secondary lithium-ion cells for the propulsion of electric road vehicles – Part 2: Reliability and abuse testing (IEC 62660-2:2018)

EN IEC 62840-2:2019
Electric vehicle battery swap system – Part 2: Safety requirements (IEC 62840-2:2016)

Međunarodna normizacija IEC

IEC 62752 Corrigendum 1:2019
In-cable control and protection device for mode 2 charging of electric road vehicles (IC-CPD); Corrigendum 1

45.040 Materijali i sastavni dijelovi za željezničku tehniku

Europska normizacija CEN

EN 16452+A1:2019
Railway applications – Braking – Brake blocks

CEN/TR 17315:2019
Railway applications – Braking – Calculations for the estimation of stopping distance for specific Wheel Slide Protection testing

45.060.01 Željeznička tračnička vozila općenito

Europska normizacija CEN

EN 14535-1:2019
Railway applications – Brake discs for railway rolling stock – Part 1: Brake discs pressed or shrunk onto the axle or drive shaft, dimensions and quality requirements

EN 14535-2:2019
Railway applications – Brake discs for railway rolling stock – Part 2: Brake discs mounted onto the wheel, dimensions and quality requirements

EN 16452+A1:2019
Railway applications – Braking – Brake blocks

EN 17018:2019
Railway applications – Rolling stock maintenance – Terms and definitions

EN 17095:2019
Railway applications – Rolling stock maintenance – Maintenance records

47.020.50 Palubna oprema i instalacije

Međunarodna normizacija ISO

ISO 799-1:2019
Ships and marine technology – Pilot ladders – Part 1: Design and specification

47.080 Mala plovila

Međunarodna normizacija ISO

ISO 10087:2019
Small craft – Craft identification – Coding system

49.030.20 Vijci i svorni vijci

Europska normizacija CEN

EN 4859:2019
Aerospace series – Sensor based clamp load determination / high tensile bolts – Technical specification

49.030.30 Matice

Europska normizacija CEN

EN 2868:2019
Aerospace series – Nuts, hexagonal, slotted/castellated, normal height, normal across flats, in heat resisting steel, silver plated – Classification: 1100 MPa (at ambient temperature)/650 °C

EN 2876:2019
Aerospace series – Nuts, hexagon, plain, reduced height, normal across flats, in aluminium alloy, anodized – Classification: 450 MPa (at ambient temperature)/120 °C

49.030.99 Ostale vrste spojnih elemenata

Europska normizacija CEN

EN 2288:2019
Aerospace series – Bush, flanged, corrosion resisting steel, with self-lubricating liner – Dimensions and loads

49.035 Sastavni dijelovi za zrakoplovne konstrukcije

Europska normizacija CEN

EN 2584:2019
Aerospace series – Bearings, spherical plain in corrosion resisting steel with self-lubricating liner – Narrow series – Elevated load at ambient temperature – Dimensions and loads

EN 2585:2019
Aerospace series – Bearing, spherical plain in corrosion resisting steel with self-lubricating liner – Wide series – Elevated load at ambient temperature – Dimensions and loads

49.140 Svemirski sustavi i operacije

Međunarodna normizacija ISO

ISO 21494:2019
Space systems – Magnetic testing

53.020.20 Dizalice

Međunarodna normizacija ISO

ISO 9927-3:2019
Cranes – Inspections – Part 3: Tower cranes

ISO 10245-3:2019
Cranes – Limiting and indicating devices – Part 3: Tower cranes

53.040.20 Sastavni dijelovi za prijenosne trake

Europska normizacija CEN

EN ISO 20238:2019
Conveyor belts – Drum friction testing (ISO 20238:2018)

53.060 Industrijski prijevozni sustavi

Europska normizacija CEN

EN 16842-4:2019
Powered industrial trucks – Visibility – Test methods and verification – Part 4: Industrial variable reach trucks up to and including 10000 kg capacity

EN 16842-9:2019
Powered industrial trucks – Visibility – Test methods and verification – Part 9: Order-picking, lateral- and front- stacking trucks with elevating operator position

55.020 Ambalaža, pakiranje i distribucija robe općenito

Europska normizacija CEN

CEN/TR 13695-2:2019
Packaging – Requirements for measuring and verifying the four heavy metals and other dangerous substances present in packaging, and their release into the environment – Part 2: Requirements for measuring and verifying dangerous substances present in packaging, and their release into the environment

59.060.01 Tekstilna vlakna općenito

Međunarodna normizacija ISO

ISO 1833-12:2019
Textiles – Quantitative chemical analysis – Part 12: Mixtures of acrylic, certain modacrylics, certain chlorofibres, certain elastane fibres with certain other fibres (method using dimethylformamide)

ISO 21084:2019
Textiles – Method for determination of alkylphenols (AP)

59.080.70 Geotekstili

Međunarodna normizacija ISO

ISO 10320:2019
Geosynthetics – Identification on site

59.140.30 Koža i krzno

Međunarodna normizacija ISO

ISO 17072-1:2019
Leather – Chemical determination of metal content – Part 1:
Extractable metals

ISO 17072-2:2019
Leather – Chemical determination of metal content – Part 2:
Total metal content

61.060 Obuća

Europska normizacija CEN

EN ISO 20150:2019
Footwear and footwear components – Quantitative challenge
test method to assess antifungal activity (ISO 20150:2019)

65.020.01 Poljodjelstvo i šumarstvo općenito

Međunarodna normizacija ISO

IWA 29:2019
Professional farmer organization – Guidelines

65.020.20 Uzgoj biljaka

Međunarodna normizacija ISO

ISO 21317:2019
Traditional Chinese medicine – Lonicera japonica flower

65.060.10 Poljoprivredni traktori i priključna vozila

Međunarodna normizacija ISO

ISO 789-6:2019
Agricultural tractors – Test procedures – Part 6: Centre of
gravity

65.060.70 Oprema za vrtlarstvo

Europska normizacija CEN

EN ISO 10517:2019
Powered hand-held hedge trimmers – Safety (ISO 10517:2019)

Međunarodna normizacija ISO

ISO 10517:2019
Powered hand-held hedge trimmers – Safety

67.060 Žitarice, mahunarke i proizvodi od žitarica i mahunarka

Europska normizacija CEN

EN ISO 7971-2:2019
Cereals – Determination of bulk density, called mass per
hectolitre – Part 2: Method of traceability for measuring
instruments through reference to the international standard
instrument (ISO 7971-2:2019)

EN ISO 7971-3:2019
Cereals – Determination of bulk density, called mass per
hectolitre – Part 3: Routine method (ISO 7971-3:2019)

67.240 Senzorske analize

Međunarodna normizacija ISO

ISO 20613:2019
Sensory analysis – General guidance for the application of
sensory analysis in quality control

67.250 Materijali i predmeti u dodiru s hranom

Europska normizacija CEN

EN 12873-3:2019
Influence of materials on water intended for human
consumption – Influence due to migration – Part 3: Test
method for ion exchange and adsorbent resins

71.040.10 Kemijski laboratoriji. Laboratorijska oprema

Međunarodna normizacija IEC

IEC 61010-2-081:2019
Safety requirements for electrical equipment for measurement,
control, and laboratory use – Part 2-081: Particular
requirements for automatic and semi-automatic laboratory
equipment for analysis and other purposes

71.040.20 Laboratorijsko posuđe i odgovarajuća aparatura

Europska normizacija CENELEC

EN 61010-1:2010/A1:2019
Safety requirements for electrical equipment for measurement,
control, and laboratory use – Part 1: General requirements
(IEC 61010-1:2010/A1:2016, modified)

Međunarodna normizacija IEC

IEC 61010-2-010:2019
Safety requirements for electrical equipment for
measurement, control and laboratory use – Part 2-010:
Particular requirements for laboratory equipment for the
heating of materials

71.040.40 Kemijska analiza

Europska normizacija CENELEC

EN 50436-4:2019
Alcohol interlocks – Test methods and performance
requirements – Part 4: Connection and digital interface
between the alcohol interlock and the vehicle

Međunarodna normizacija ISO

ISO 20903:2019
Surface chemical analysis – Auger electron spectroscopy
and X-ray photoelectron spectroscopy – Methods used to
determine peak intensities and information required when
reporting results

71.040.50 Fizikalnokemijske metode analize

Međunarodna normizacija IEC

IEC 61010-2-091:2019
Safety requirements for electrical equipment for measurement,
control, and laboratory use – Part 2-091: Particular
requirements for cabinet X-ray systems

71.100.20 Plinovi za industrijsku primjenu

Međunarodna normizacija ISO

ISO 8573-4:2019
Compressed air – Contaminant measurement – Part 4:
Particle content

75.100 Maziva, industrijska ulja i srodni proizvodi

Europska normizacija CEN

EN 17181:2019
Lubricants – Determination of aerobic biological degradation of fully formulated lubricants in an aqueous solution – Test method based on CO₂-production

75.160.40 Biogoriva

Europska normizacija CEN

EN 14214+A2:2019
Liquid petroleum products – Fatty acid methyl esters (FAME) for use in diesel engines and heating applications – Requirements and test methods

75.180.20 Procesna oprema

Europska normizacija CEN

EN ISO 16812:2019
Petroleum, petrochemical and natural gas industries – Shell-and-tube heat exchangers (ISO 16812:2019)

77.040.20 Nerazorno ispitivanje metala

Međunarodna normizacija ISO

ISO 10893-6:2019
Non-destructive testing of steel tubes – Part 6: Radiographic testing of the weld seam of welded steel tubes for the detection of imperfections

ISO 10893-7:2019
Non-destructive testing of steel tubes – Part 7: Digital radiographic testing of the weld seam of welded steel tubes for the detection of imperfections

77.140.15 Čelici za armiranje betona

Europska normizacija CEN

EN ISO 15630-1:2019
Steel for the reinforcement and prestressing of concrete – Test methods – Part 1: Reinforcing bars, rods and wire (ISO 15630-1:2019)

EN ISO 15630-2:2019
Steel for the reinforcement and prestressing of concrete – Test methods – Part 2: Welded fabric and lattice girders (ISO 15630-2:2019)

EN ISO 15630-3:2019
Steel for the reinforcement and prestressing of concrete – Test methods – Part 3: Prestressing steel (ISO 15630-3:2019)

Međunarodna normizacija ISO

ISO 15630-1:2019
Steel for the reinforcement and prestressing of concrete – Test methods – Part 1: Reinforcing bars, rods and wire

ISO 15630-2:2019
Steel for the reinforcement and prestressing of concrete – Test methods – Part 2: Welded fabric and lattice girders

ISO 15630-3:2019
Steel for the reinforcement and prestressing of concrete – Test methods – Part 3: Prestressing steel

77.140.75 Čelične cijevi i čelične cijevi za posebnu namjenu

Međunarodna normizacija ISO

ISO 10893-6:2019
Non-destructive testing of steel tubes – Part 6: Radiographic testing of the weld seam of welded steel tubes for the detection of imperfections

ISO 10893-7:2019
Non-destructive testing of steel tubes – Part 7: Digital radiographic testing of the weld seam of welded steel tubes for the detection of imperfections

81.060.30 Tehnička keramika

Međunarodna normizacija ISO

ISO 21618:2019
Fine ceramics (advanced ceramics, advanced technical ceramics) – Test method for fracture resistance of monolithic ceramics at room temperature by indentation fracture (IF) method

ISO 21813:2019
Fine ceramics (advanced ceramics, advanced technical ceramics) – Methods for chemical analysis of high purity barium titanate powders

83.080.01 Plastika općenito

Europska normizacija CEN

EN ISO 3451-1:2019
Plastics – Determination of ash – Part 1: General methods (ISO 3451-1:2019)

Međunarodna normizacija ISO

ISO 846:2019
Plastics – Evaluation of the action of microorganisms

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

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

ISO 3451-1:2019
Plastics – Determination of ash – Part 1: General methods

ISO 11359-3:2019
Plastics – Thermomechanical analysis (TMA) – Part 3: Determination of penetration temperature

83.080.20 Plastomerni materijali

Europska normizacija CEN

EN ISO 21301-1:2019
Plastics – Ethylene-vinyl acetate (EVAC) moulding and extrusion materials – Part 1: Designation system and basis for specifications (ISO 21301-1:2019)

EN ISO 21301-2:2019
Plastics – Polybutene-1 (PB-1) moulding and extrusion materials – Part 2: Preparation of test specimens and determination of properties (ISO 21301-2:2019)

EN ISO 21305-1:2019
Plastics – Polycarbonate (PC) moulding and extrusion materials – Part 1: Designation system and basis for specifications (ISO 21305-1:2019)

EN ISO 21305-2:2019
Plastics – Polycarbonate (PC) moulding and extrusion materials – Part 2: Preparation of test specimens and determination of properties (ISO 21305-2:2019)

Međunarodna normizacija ISO

ISO 15023-2:2019
Plastics – Poly(vinyl alcohol) (PVAL) materials – Part 2: Determination of properties

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

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

ISO 21309-1:2019
Plastics – Ethylene/vinyl alcohol (EVOH) copolymer moulding and extrusion materials – Part 1: Designation system and basis for specifications

ISO 21309-2:2019
Plastics – Ethylene/vinyl alcohol (EVOH) copolymer moulding and extrusion materials – Part 2: Preparation of test specimens and determination of properties

83.160.01 Gume za vozila općenito

Europska normizacija CEN

EN 14243-1:2019
Materials obtained from end of life tyres – Part 1: General definitions related to the methods for determining their dimension(s) and impurities

EN 14243-2:2019
Materials obtained from end of life tyres – Part 2: Granulates and powders – Methods for determining the particle size distribution and impurities, including free steel and free textile content

EN 14243-3:2019
Materials obtained from end of life tyres – Part 3: Shreds, cuts and chips – Methods for determining their dimension(s) including protruding filaments dimensions

85.060 Papir i karton

Europska normizacija CEN

EN 17163:2019
Pulp, paper and board – Determination of primary aromatic amines (PAA) in a water extract by a LC-MS method

87.040 Boje i lakovi

Europska normizacija CEN

EN 16402:2019
Paints and varnishes – Assessment of emissions of substances from coatings into indoor air – Sampling, conditioning and testing

Međunarodna normizacija ISO

ISO 21546:2019
Paints and varnishes – Determination of the resistance to rubbing using a linear abrasion tester (crockmeter)

87.060.10 Pigmenti i punila

Međunarodna normizacija ISO

ISO 473:2019
Lithopone pigments – General requirements and methods of testing

ISO 787-9:2019
General methods of test for pigments and extenders – Part 9: Determination of pH value of an aqueous suspension

ISO 787-14:2019
General methods of test for pigments and extenders – Part 14: Determination of resistivity of aqueous extract

ISO 787-25:2019
General methods of test for pigments and extenders – Part 25: Comparison of the colour, in full-shade systems, of white, black and coloured pigments – Colorimetric method

ISO 21683:2019
Pigments and extenders – Determination of experimentally simulated nano-object release from paints, varnishes and pigmented plastics

91.020 Prostorno planiranje. Urbanizacija

Europska normizacija CEN

CWA 17381:2019
The Description and Assessment of Good Practices for Smart City solutions

91.040.10 Javne građevine

Europska normizacija CEN

EN 13200-1:2019
Spectator facilities – Part 1: General characteristics for spectator viewing area

91.060.50 Vrata i prozori

Europska normizacija CEN

EN 15269-11+A1:2019
Extended application of test results for fire resistance and/or smoke control for door, shutter and openable window assemblies, including their elements of building hardware – Part 11: Fire resistance for operable fabric curtains

91.080.20 Drvene konstrukcije

Međunarodna normizacija ISO

ISO 16696-1:2019
Timber structures – Cross laminated timber – Part 1: Component performance, production requirements and certification scheme

91.100.01 Građevni materijali općenito

Europska normizacija CEN

EN 17087:2019
Construction products: Assessment of release of dangerous substances – Preparation of test portions from the laboratory sample for testing of release and analysis of content

91.100.10 Cement. Gips. Vapno. Mort

Europska normizacija
CEN

EN 934-6:2019
Admixtures for concrete, mortar and grout – Part 6: Sampling, assessment and verification of the constancy of performance

91.100.23 Keramičke pločice

Europska normizacija
CEN

EN 17160:2019
Product category rules for ceramic tiles

Međunarodna normizacija
ISO

ISO 10545-4:2019
Ceramic tiles – Part 4: Determination of modulus of rupture and breaking strength

91.100.30 Beton i betonski proizvodi

Europska normizacija
CEN

EN 934-6:2019
Admixtures for concrete, mortar and grout – Part 6: Sampling, assessment and verification of the constancy of performance

91.100.50 Veziva. Materijali za brtvljenje

Europska normizacija
CEN

EN 13074-1:2019
Bitumen and bituminous binders – Recovery of binder from bituminous emulsion or cut-back or fluxed bituminous binders – Part 1: Recovery by evaporation

EN 13074-2:2019
Bitumen and bituminous binders – Recovery of binder from bituminous emulsion or cut-back or fluxed bituminous binders – Part 2: Stabilization after recovery by evaporation

91.140.30 Sustavi prozračivanja i klimatizacije

Europska normizacija
CEN

EN 14134:2019
Ventilation for buildings – Performance measurement and checks for residential ventilation systems

91.140.50 Sustavi opskrbe električnom energijom

Europska normizacija
CENELEC

HD 60364-7-721:2019
Low-voltage electrical installations – Part 7-721: Requirements for special installations or locations – Electrical installations in caravans and motor caravans (IEC 60364-7-721:2017, modified)

Međunarodna normizacija
IEC

IEC 60364-5-53:2019
Low-voltage electrical installations – Part 5-53: Selection and erection of electrical equipment – Devices for protection for safety, isolation, switching, control and monitoring

IEC 60364-8-1:2019
Low-voltage electrical installations – Part 8-1: Functional aspects – Energy efficiency

91.140.80 Odvodni sustavi

Europska normizacija
CEN

EN ISO 11296-7:2019
Plastics piping systems for renovation of underground non-pressure drainage and sewerage networks – Part 7: Lining with spirally-wound pipes (ISO 11296-7:2019)

93.020 Zemljani radovi. Iskopavanja. Temeljenje. Podzemni radovi

Europska normizacija
CEN

EN ISO 17892-11:2019
Geotechnical investigation and testing – Laboratory testing of soil – Part 11: Permeability tests (ISO 17892-11:2019)

93.030 Vanjski kanalizacijski sustavi

Europska normizacija
CEN

EN ISO 11296-7:2019
Plastics piping systems for renovation of underground non-pressure drainage and sewerage networks – Part 7: Lining with spirally-wound pipes (ISO 11296-7:2019)

93.080.20 Materijali za gradnju cesta

Europska normizacija
CEN

EN 12697-31:2019
Bituminous mixtures – Test methods – Part 31: Specimen preparation by gyratory compactor

EN 12697-32:2019
Bituminous mixtures – Test methods – Part 32: Specimen preparation by vibratory compactor

EN 12697-33:2019
Bituminous mixtures – Test method – Part 33: Specimen prepared by roller compactor

EN 12697-44:2019
Bituminous mixtures – Test methods – Part 44: Crack propagation by semi-circular bending test

Međunarodna normizacija
ISO

ISO 13473-1:2019
Characterization of pavement texture by use of surface profiles – Part 1: Determination of mean profile depth

95.020 Vojna tehnika. Vojni poslovi. Oružje

Europska normizacija
CEN

EN ISO 17201-3:2019
Acoustics – Noise from shooting ranges – Part 3: Sound propagation calculations (ISO 17201-3:2019)

97.020 Kućno gospodarstvo općenito

Međunarodna normizacija
ISO

ISO/TR 24524:2019
Service activities relating to drinking water supply, wastewater and stormwater systems – Hydraulic, mechanical and environmental conditions in wastewater transport systems

97.120 Automatsko upravljanje za kućansku upotrebu

Europska normizacija CENELEC

- EN IEC 60730-2-9:2019
Automatic electrical controls – Part 2-9: Particular requirements for temperature sensing controls (IEC 60730-2-9:2015)
- EN IEC 60730-2-9/A1:2019
Automatic electrical controls – Part 2-9: Particular requirements for temperature sensing controls (IEC 60730-2-9:2015/A1:2018)
- EN IEC 60730-2-14:2019
Automatic electrical controls – Part 2-14: Particular requirements for electric actuators (IEC 60730-2-14:2017)

97.140 Namještaj

Europska normizacija CEN

- EN 716-1+AC:2019
Furniture – Children's cots and folding cots for domestic use – Part 1: Safety requirements

Međunarodna normizacija ISO

- ISO 7171:2019
Furniture – Storage units – Test methods for the determination of stability

97.145 Ljestve

Europska normizacija CEN

- EN 131-6:2019
Ladders – Part 6: Telescopic ladders

97.180 Razna kućanska i gospodarska oprema

Međunarodna normizacija ISO

- ISO 20318-1:2019
Mechanical pencils and leads for general use – Classification, dimensions, quality and test methods – Part 1: Mechanical pencils

97.190 Oprema za djecu

Europska normizacija CEN

- EN 716-1+AC:2019
Furniture – Children's cots and folding cots for domestic use – Part 1: Safety requirements

97.200.10 Oprema za kazalište, scenu i studio

Europska normizacija CEN

- EN 13200-1:2019
Spectator facilities – Part 1: General characteristics for spectator viewing area

97.220.10 Sportski objekti

Europska normizacija CEN

- EN 13200-1:2019
Spectator facilities – Part 1: General characteristics for spectator viewing area
- EN ISO 17201-3:2019
Acoustics – Noise from shooting ranges – Part 3: Sound propagation calculations (ISO 17201-3:2019)