

Hrvatski zavod za norme

Oglasnik za normativne dokumente

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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 nacrtu hrvatskih norma te ispravke, rezultate europske i međunarodne normizacije 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 5, Metalne cijevi i priključci

HRN EN 1514-2:2021 en pr
Prirubnice i njihovi spojevi – Brtve za prirubnice s PN-oznakom – 2. dio: Spiralne brtve za uporabu s čeličnim prirubnicama (EN 1514-2:2014+A1:2021)
Flanges and their joints – Gaskets for PN-designated flanges – Part 2: Spiral wound gaskets for use with steel flanges (EN 1514-2:2014+A1:2021)

HRN EN 14772:2021 en pr
Prirubnice i njihovi spojevi – Inspekcija osiguranja kvalitete i ispitivanje brtvi prema nizu norma EN 1514 i EN 12560 (EN 14772:2021)
Flanges and their joints – Quality assurance inspection and testing of gaskets in accordance with the series of standards EN 1514 and EN 12560 (EN 14772:2021)

HRN EN 15655-2:2021 en pr
Duktilne željezne cijevi, spojni dijelovi i pribor – Zahtjevi i metode ispitivanja organskih obloga cijevi i spojnih dijelova od duktilnog željeza – 2. dio: Plastomerna modificirana poliolefinska (TMPO) obloga cijevi (EN 15655-2:2020)
Ductile iron pipes, fittings and accessories – Requirements and test methods for organic linings of ductile iron pipes and fittings – Part 2: Thermoplastic Acid Modified Polyolefin (TMPO) lining of pipes (EN 15655-2:2020)

HZN/TO 8, Brodogradnja

HRN EN ISO 9093:2021 en pr
Mala plovila – Oplatni ventili i prolazi (ISO 9093:2020; EN ISO 9093:2021)
Small craft – Seacocks and through-hull fittings (ISO 9093:2020; EN ISO 9093:2021)

HRN EN ISO 16147:2021 en pr
Mala plovila – Ugrađeni dizelski motori – Komponente sustava, goriva i elektrouređaja ovještene na motor (ISO 16147:2020; EN ISO 16147:2021)
Small craft – Inboard diesel engines – Engine-mounted fuel, oil and electrical components (ISO 16147:2020; EN ISO 16147:2021)

HZN/TO 22, Cestovna vozila

HRN ISO 1585:2021 en pr
Cestovna vozila – Ispitivanje motora – Neto snaga (ISO 1585:2020)
Road vehicles – Engine test code – Net power (ISO 1585:2020)

HRN ISO 2534:2021 en pr
Cestovna vozila – Ispitivanje motora – Bruto snaga (ISO 2534:2020)
Road vehicles – Engine test code – Gross power (ISO 2534:2020)

HRN ISO 2974:2021 en pr
Dizelski motori – Unutarnji (ženski) stošci od 60° za sastavne dijelove ubrizgavanja goriva pod visokim tlakom (ISO 2974:2018)
Diesel engines – 60° female cones for high-pressure fuel injection components (ISO 2974:2018)

HRN ISO 3584:2021 en pr
Cestovna vozila – Spojnice ruda – Zamjenjivost (ISO 3584:2020)
Road vehicles – Clevis couplings – Interchangeability (ISO 3584:2020)

HRN ISO 3877-4:2005/A1:2021 en pr
Gume, ventili i zračnice – Popis istovrijednih naziva – 4. dio: Pune gume (ISO 3877-4:1984/Amd 1:2020)
Tyres, valves and tubes – List of equivalent terms – Part 4: Solid tyres (ISO 3877-4:1984/Amd 1:2020)

HRN ISO 4209-2:2021 en pr
Gume i naplatci za teretne automobile i autobuse (milimetarski nizovi) – 2. dio: Naplatci (ISO 4209-2:2020, ispravljena verzija 2021-01)
Truck and bus tyres and rims (metric series) – Part 2: Rims (ISO 4209-2:2020, Corrected version 2021-01)

HRN ISO 4223-2:2005/A1:2021 en pr
Definicije određenih naziva koji se upotrebljavaju u proizvodnji guma – 2. dio: Pune gume (ISO 4223-2:1991/Amd 1:2020)
Definitions of some terms used in the tyre industry – Part 2: Solid tyres (ISO 4223-2:1991/Amd 1:2020)

HRN ISO 4250-3:2021 en pr
Gume i naplatci za strojeve za zemljane radove – 3. dio: Naplatci (ISO 4250-3:2020)
Earth-mover tyres and rims – Part 3: Rims (ISO 4250-3:2020)

HRN ISO 4925:2021 en pr
Cestovna vozila – Specifikacija tekućina za kočenje na nemineralnoj osnovi za hidraulične sustave (ISO 4925:2020)
Road vehicles – Specification of non-petroleum-based brake fluids for hydraulic systems (ISO 4925:2020)

HRN ISO 4926:2021 en pr
Cestovna vozila – Hidraulični sustavi kočenja – Referencijske tekućine na nemineralnoj osnovi (ISO 4926:2020)
Road vehicles – Hydraulic braking systems – Non-petroleum-based reference fluid (ISO 4926:2020)

HRN ISO 5011:2021 en pr
Oprema za pročišćivanje ulaznog zraka za motore s unutarnjim izgaranjem i kompresore – Ispitivanje značajka (ISO 5011:2020)
Inlet air cleaning equipment for internal combustion engines and compressors – Performance testing (ISO 5011:2020)

HRN ISO 6969:2013/A1:2021 en pr
Cestovna vozila – Uređaji za zvučnu signalizaciju – Ispitivanja nakon ugradnje na vozilo (ISO 6969:2004/Amd 1:2021)
Road vehicles – Sound signalling devices – Tests after mounting on vehicle (ISO 6969:2004/Amd 1:2021)

HRN ISO 9413:2021 en pr
Ventili za gume – Dimenzije i oznake (ISO 9413:2019)
Tyre valves – Dimensions and designation (ISO 9413:2019)

HRN ISO 11452-4:2021 en pr
Cestovna vozila – Metode ispitivanja sastavnica s obzirom na električne smetnje uzrokovane uskopojasnim zračenjem elektromagnetske energije – 4. dio: Metode uzbuđivanja kabelskoga snopa (ISO 11452-4:2020)
Road vehicles – Component test methods for electrical disturbances from narrowband radiated electromagnetic energy – Part 4: Harness excitation methods (ISO 11452-4:2020)

HRN ISO 12098:2021 en pr
Cestovna vozila – Spojnici za električno spajanje vučnih i vučenih vozila – 15-polni spojnik za vozila s nazivnim naponom napajanja 24 V (ISO 12098:2020)
Road vehicles – Connectors for the electrical connection of towing and towed vehicles – 15-pole connector for vehicles with 24 V nominal supply voltage (ISO 12098:2020)

HRN ISO 15007:2021 en pr
Cestovna vozila – Mjerenje i analiza usmjerenosti pogleda vozača s obzirom na prometne obavijesti i upravljačke sustave (ISO 15007:2020)
Road vehicles – Measurement and analysis of driver visual behaviour with respect to transport information and control systems (ISO 15007:2020)

HRN ISO 15501-1:2017/A1:2021 en pr
Cestovna vozila – Sustavi za stlačeni prirodni plin (SPP) kao gorivo – 1. dio: Sigurnosni zahtjevi (ISO 15501-1:2016/Amd 1:2021)
Road vehicles – Compressed natural gas (CNG) fuel systems – Part 1: Safety requirements (ISO 15501-1:2016/Amd 1:2021)

HRN ISO 20176:2021 en pr
Cestovna vozila – Stroj za određivanje točke H (HPM-II)
– Specifikacije i postupak određivanja točke H
(ISO 20176:2020)
Road vehicles – H-point machine (HPM-II) – Specifications
and procedure for H-point determination (ISO 20176:2020)

HZN/TO 28, Naftni proizvodi i maziva

HRI CEN/TR 17548:2021 en pr
Goriva za motorna vozila – Aspekti tržišta dizelskoga
goriva – Izvještaj o istraživanju abrazivnih čestica
(CEN/TR 17548:2020)
Automotive fuels – Diesel fuel market issues – Abrasive
particles investigation report (CEN/TR 17548:2020)

HZN/TO 37, Terminologija

HRS ISO/TS 24617-5:2021 en pr
Upravljanje jezičnim resursima – Okvir za semantičko
označivanje (SemAF) – 5. dio: Struktura diskursa (SemAF-DS)
(ISO/TS 24617-5:2014)
Language resource management – Semantic annotation
framework (SemAF) – Part 5: Discourse structure (SemAF-DS)
(ISO/TS 24617-5:2014)

HZN/TO 44, Zavarivanje i srodni postupci

HRN EN ISO 5829:2021 en pr
Elektrotopno točkasto zavarivanje – Prihvatnici za elektrode,
ženski konus 1:10 (ISO 5829:1984; EN ISO 5829:2021)
Resistance spot welding – Electrode adaptors female taper
1:10 (ISO 5829:1984; EN ISO 5829:2021)

HRN EN ISO 5830:2021 en pr
Elektrotopno točkasto zavarivanje – Muške kapice elektroda
(ISO 5830:1984; EN ISO 5830:2021)
Resistance spot welding – Male electrode caps (ISO 5830:1984;
EN ISO 5830:2021)

HRN EN ISO 7285:2021 en pr
Pneumatski cilindri za mehanizirano višestruko točkasto
zavarivanje (ISO 7285:1995; EN ISO 7285:2021)
Pneumatic cylinders for mechanized multiple spot welding
(ISO 7285:1995; EN ISO 7285:2021)

HRN EN ISO 10656:2021 en pr
Oprema za elektrotopno zavarivanje – Transformatori
– Integrirani transformatori za pištolje za zavarivanje
(ISO 10656:2016; EN ISO 10656:2021)
Resistance welding equipment – Transformers – Integrated
transformers for welding guns (ISO 10656:2016;
EN ISO 10656:2021)

HRN EN ISO 15616-4:2021 en pr
Ispitivanje prihvatljivosti CO2 lasera za visokokvalitetno
zavarivanje i rezanje – 4. dio: Strojevi s 2-D pokretnom
optikom (ISO 15616-4:2008; EN ISO 15616-4:2021)
Acceptance tests for CO2-laser beam machines for high
quality welding and cutting – Part 4: Machines with 2-D moving
optics (ISO 15616-4:2008; EN ISO 15616-4:2021)

HRN EN ISO 18785-1:2021 en pr
Točkasto zavarivanje trenjem uz miješanje – Aluminij – 1. dio:
Terminološki rječnik (ISO 18785-1:2018; EN ISO 18785-1:2021)
Friction stir spot welding – Aluminium – Part 1: Vocabulary
(ISO 18785-1:2018; EN ISO 18785-1:2021)

HRN EN ISO 18785-2:2021 en pr
Točkasto zavarivanje trenjem uz miješanje – Aluminij
– 2. dio: Oblikovanje zavarenih spojeva (ISO 18785-2:2018;
EN ISO 18785-2:2021)
Friction stir spot welding – Aluminium – Part 2 – Design of
weld joints (ISO 18785-2:2018; EN ISO 18785-2:2021)

HRN EN ISO 18785-3:2021 en pr
Točkasto zavarivanje trenjem uz miješanje – Aluminij – 3. dio:
Osposobljenost zavarivačkog osoblja (ISO 18785-3:2018;
EN ISO 18785-3:2021)
Friction stir spot welding – Aluminium – Part 3: Qualification of
welding personnel (ISO 18785-3:2018; EN ISO 18785-3:2021)

HRN EN ISO 18785-4:2021 en pr
Točkasto zavarivanje trenjem uz miješanje – Aluminij
– 4. dio: Specifikacija i kvalifikacija postupaka zavarivanja
(ISO 18785-4:2018; EN ISO 18785-4:2021)
Friction stir spot welding – Aluminium – Part 4: Specification
and qualification of welding procedures (ISO 18785-4:2018;
EN ISO 18785-4:2021)

HRN EN ISO 18785-5:2021 en pr
Točkasto zavarivanje trenjem uz miješanje – Aluminij
– 5. dio: Zahtjevi za kvalitetu i inspekciju (ISO 18785-5:2018;
EN ISO 18785-5:2021)
Friction stir spot welding – Aluminium – Part 5: Quality
and inspection requirements (ISO 18785-5:2018;
EN ISO 18785-5:2021)

HRN EN ISO 20168:2021 en pr
Elektrotopno zavarivanje – Stezni konusi za držače i vrhove
elektroda (ISO 20168:2016; EN ISO 20168:2021)
Resistance welding – Locking tapers for electrode holders
and electrode caps (ISO 20168:2016; EN ISO 20168:2021)

HZN/TO 46, Bibliotekarstvo, dokumentacija i informacije

HRN ISO 32000-2:2021 en pr
Upravljanje dokumentima – Format prenosivog dokumenta
– 2. dio: PDF 2.0 (ISO 32000-2:2020)
Document management – Portable document format – Part 2:
PDF 2.0 (ISO 32000-2:2020)

HZN/TO 69, Primjena statističkih metoda

HRN ISO 22514-3:2021 en pr
Statističke metode pri upravljanju procesima – Sposobnost i
izvedba – 3. dio: Analiza rada strojeva na temelju podataka
mjerjenja na pojedinačnim dijelovima (ISO 22514-3:2020)
Statistical methods in process management – Capability
and performance – Part 3: Machine performance studies for
measured data on discrete parts (ISO 22514-3:2020)

HZN/TO 82, Rudarstvo

HRN EN 1804-1:2021 en pr
Strojevi za podzemne rudnike – Sigurnosni zahtjevi za
hidrauličnu samohodnu podgradu – 1. dio: Elementi podgrade
i opći zahtjevi (EN 1804-1:2020)
Machines for underground mines – Safety requirements for
hydraulic powered roof supports – Part 1: Support units and
general requirements (EN 1804-1:2020)

HRN EN 1804-2:2021 en pr
Strojevi za podzemne rudnike – Sigurnosni zahtjevi za
hidrauličnu samohodnu podgradu – 2. dio: Stojke i pogonski
cilindri (EN 1804-2:2020)
Machines for underground mines – Safety requirements for
hydraulic powered roof supports – Part 2: Power set legs and
rams (EN 1804-2:2020)

HRN EN 1804-3:2021 en pr
Strojevi za podzemne rudnike – Sigurnosni zahtjevi za
hidrauličnu samohodnu podgradu – 3. dio: Hidraulični i
elektrohidraulični sustavi upravljanja (EN 1804-3:2020)
Machines for underground mines – Safety requirements for
hydraulic powered roof supports – Part 3: Hydraulic and
electro hydraulic control systems (EN 1804-3:2020)

HZN/TO 92, Zaštita od požara

HRN EN 1366-5:2021 en pr
Ispitivanja otpornosti na požar servisnih instalacija – 5. dio:
Servisni kanali i okna (EN 1366-5:2021)
Fire resistance tests for service installations – Part 5: Service
ducts and shafts (EN 1366-5:2021)

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

HRS CEN/TS 1329-2:2021 en pr
Plastični cijevni sustavi za odvodnju onečišćenih i otpadnih
voda (niske i visoke temperature) unutar građevinskih
konstrukcija – Neomekšani poli(vinil-klorid) (PVC-U) – 2. dio:
Upute za ocjenu sukladnosti (CEN/TS 1329-2:2021)
Plastics piping systems for soil and waste discharge (low and
high temperature) within the building structure – Unplasticized
poly(vinyl chloride) (PVC-U) – Part 2: Guidance for the
assessment of conformity (CEN/TS 1329-2:2021)

HRS CEN ISO/TS 23818-1:2021 en pr
Ocjena sukladnosti plastičnih cijevnih sustava za
sanaciju postojećih cjevovoda – 1. dio: Polietilen (PE)
(ISO/TS 23818-1:2020; CEN ISO/TS 23818-1:2020)
Assessment of conformity of plastics piping systems for the
rehabilitation of existing pipelines – Part 1: Polyethylene (PE)
material (ISO/TS 23818-1:2020; CEN ISO/TS 23818-1:2020)

HZN/TO 163, Toplinska izolacija

HRN EN 13497:2021 en pr
Toplinsko-izolacijski proizvodi za primjenu u zgradarstvu – Određivanje otpornosti na udar povezanih sustava za vanjsku toplinsku izolaciju (ETICS) (EN 13497:2018+A1:2021)
Thermal insulation products for building applications – Determination of the resistance to impact of external thermal insulation composite systems (ETICS) (EN 13497:2018+A1:2021)

HZN/TO 172, Optika i optički instrumenti

HRN ISO 12858-2:2021 en pr
Optika i optički instrumenti – Pomoćni uređaji za geodetske uređaje – 2. dio: Tronošci (ISO 12858-2:2020)
Optics and optical instruments – Ancillary devices for geodetic instruments – Part 2: Tripods (ISO 12858-2:2020)

HZN/TO 301, Upravljanje energijom i ušteda energije

HRN ISO 50004:2021 en pr
Sustavi upravljanja energijom – Upute za primjenu, održavanje i poboljšavanje sustava upravljanja energijom u skladu s normom ISO 50001 (ISO 50004:2020)
Energy management systems – Guidance for the implementation, maintenance and improvement of an ISO 50001 energy management system (ISO 50004:2020)

HZN/TO 504, Korozija i zaštita metala i legura

HRN EN ISO 8407:2021 en pr
Korozija metala i legura – Uklanjanje korozivnih produkata s uzoraka za ispitivanje korozije (ISO 8407:2021; EN ISO 8407:2021)
Corrosion of metals and alloys – Removal of corrosion products from corrosion test specimens (ISO 8407:2021; EN ISO 8407:2021)

HZN/TO 524, Inteligentni transportni sustavi

HRN EN ISO 24014-1:2021 en pr
Javni prijevoz – Interoperabilni sustav upravljanja naplatom – 1. dio: Arhitektura (ISO 24014-1:2021; EN ISO 24014-1:2021)
Public transport – Interoperable fare management system – Part 1: Architecture (ISO 24014-1:2021; EN ISO 24014-1:2021)

HZN/TO 531, Plastika i guma

HRN EN ISO 3861:2021 en pr
Gumena crijeva i crijevni sklopovi za prijenos i vađenje pijeska – Specifikacija (ISO 3861:2021; EN ISO 3861:2021)
Rubber hoses and hose assemblies for sand and grit blasting – Specification (ISO 3861:2021; EN ISO 3861:2021)

HRN EN 12115:2021 en pr
Gumena i plastomerna crijeva i crijevni uređaji za tekuće ili plinovite kemikalije – Specifikacija (EN 12115:2021)
Rubber and thermoplastics hoses and hose assemblies for liquid or gaseous chemicals – Specification (EN 12115:2021)

HRN EN 12613:2021 en pr
Plastične upozoravajuće oznake za podzemne kabele i cjevovode s vizualnim karakteristikama (EN 12613:2021)
Plastics warning devices for underground cables and pipelines with visual characteristics (EN 12613:2021)

HRN EN 12814-2:2021 en pr
Ispitivanje zavarenih spojeva plastomernih poluproizvoda – 2. dio: Ispitivanje rastezanjem (EN 12814-2:2021)
Testing of welded joints of thermoplastics semi-finished products – Part 2: Tensile test (EN 12814-2:2021)

HRN EN 12814-8:2021 en pr
Ispitivanje zavarenih spojeva plastomernih poluproizvoda – 8. dio: Zahtjevi (EN 12814-8:2021)
Testing of welded joints of thermoplastics semi-finished products – Part 8: Requirements (EN 12814-8:2021)

HRN EN 17104:2021 en pr
Plastomerne krute, zaštitne, zidne ploče za unutarnju uporabu u zgradama – Izvedbene značajke (EN 17104:2021)
Thermoplastics rigid protective wallcovering panels for internal use in buildings – Performance characteristics (EN 17104:2021)

HRN EN ISO 21304-2:2021 en pr
Plastika – Polietilenski materijali posebno visoke molekularne mase (PE-UHMW) za kalupljenje i ekstrudiranje – 2. dio: Priprema testnih uzoraka i određivanje svojstava (ISO 21304-2:2021; EN ISO 21304-2:2021)
Plastics – Ultra-high-molecular-weight polyethylene (PE-UHMW) moulding and extrusion materials – Part 2: Preparation of test specimens and determination of properties (ISO 21304-2:2021; EN ISO 21304-2:2021)

HZN/TO 533, Kolničke konstrukcije

HRN EN 12697-42:2021 en pr
Bitumenske mješavine – Metode ispitivanja – 42. dio: Količina onečišćenja u reciklažnom asfaltnom granulatu (EN 12697-42:2021)
Bituminous mixtures – Test methods – Part 42: Amount of foreign matter in reclaimed asphalt (EN 12697-42:2021)

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

HRN EN ISO 129-1:2019/A1:2021 en pr
Tehnička dokumentacija proizvoda – Prikazivanje dimenzija i tolerancija – 1. dio: Opća načela (ISO 129-1:2018/Amd 1:2020; EN ISO 129-1:2019/A1:2021)
Technical product documentation (TPD) – Presentation of dimensions and tolerances – Part 1: General principles (ISO 129-1:2018/Amd 1:2020; EN ISO 129-1:2019/A1:2021)

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

HRN EN 1829-1:2021 en pr
Strojevi s visokotlačnim mlazom vode – Sigurnosni zahtjevi – 1. dio: Strojevi (EN 1829-1:2021)
High-pressure water jet machines – Safety requirements – Part 1: Machines (EN 1829-1:2021)

HZN/TO 548, Konstrukcijski eurokodovi

HRI CEN/TR 17079:2021 en pr
Projektiranje pričvršćivača za upotrebu u betonu – Statički neodređeni nekonstruktivni sustavi (CEN/TR 17079:2018)
Design of fastenings for use in concrete – Redundant non-structural systems (CEN/TR 17079:2018)

HRI CEN/TR 17080:2021 en pr
Projektiranje pričvršćivača za upotrebu u betonu – Sidreni kanali – Dodatna pravila (CEN/TR 17080:2018)
Design of fastenings for use in concrete – Anchor channels – Supplementary rules (CEN/TR 17080:2018)

HRI CEN/TR 17081:2021 en pr
Projektiranje pričvršćivača za upotrebu u betonu – Proračun pričvršćivača s glavom i naknadno ugrađenih pričvršćivača prema teoriji plastičnosti (CEN/TR 17081:2018)
Design of fastenings for use in concrete – Plastic design of fastenings with headed and post-installed fasteners (CEN/TR 17081:2018)

HZN/TO 554, Obrada otpadnih voda

HRN EN 14654-1:2021 en pr
Odvodni i kanalizacijski sustavi izvan zgrada – Upravljanje i kontrola radnih aktivnosti – 1. dio: Opći zahtjevi (EN 14654-1:2021)
Drain and sewer systems outside buildings – Management and control of activities – Part 1: General requirements (EN 14654-1:2021)

HRN EN 14654-2:2021 en pr
Odvodni i kanalizacijski sustavi izvan zgrada – Upravljanje i kontrola radnih aktivnosti – 2. dio: Sanacija (EN 14654-2:2021)
Drain and sewer systems outside buildings – Management and control of activities – Part 2: Rehabilitation (EN 14654-2:2021)

HRN EN 14654-3:2021 en pr
Odvodni i kanalizacijski sustavi izvan zgrada – Upravljanje i kontrola radnih aktivnosti – 3. dio: Čišćenje odvodnje i kanalizacije (EN 14654-3:2021)
Drain and sewer systems outside buildings – Management and control of activities – Part 3: Drain and sewer cleaning (EN 14654-3:2021)

HRN EN 14654-4:2021 en pr
Ovodni i kanalizacijski sustavi izvan zgrada – Upravljanje i kontrola radnih aktivnosti – 4. dio: Kontrola ispuštanja korisnika (EN 14654-4:2021)
Drain and sewer systems outside buildings – Management and control of activities – Part 4: Control of inputs from users (EN 14654-4:2021)

HRN EN 16941-2:2021 en pr
Sustavi za prikupljanje nepitke vode koja se upotrebljava na licu mjesta – 2. dio: Sustavi za uporabu obrađene sive vode (EN 16941-2:2021)
On-site non-potable water systems – Part 2: Systems for the use of treated greywater (EN 16941-2:2021)

HZN/TO 555, Medicinski proizvodi

HRN EN 14222:2021 en pr
Parni kotlovi od nehrđajućeg čelika (EN 14222:2021)
Stainless steel steam boilers (EN 14222:2021)

HZN/TO 557, Zaštitna odjeća

HRN EN ISO 12402-7:2021 en pr
Osobne plutajuće naprave – 7. dio: Materijali i komponente – Sigurnosni zahtjevi i metode ispitivanja (ISO 12402-7:2020; EN ISO 12402-7:2020)
Personal flotation devices – Part 7: Materials and components – Safety requirements and test methods (ISO 12402-7:2020; EN ISO 12402-7:2020)

HZN/TO 560, Tekstilni proizvodi

HRS CEN/TS 17394-1:2021 en pr
Tekstil i tekstilni proizvodi – 1. dio: Sigurnost dječje odjeće – Sigurnost pričvršćivanja pričvršćenih komponenta na odjeću za novorođenčad – Specifikacija (CEN/TS 17394-1:2021)
Textiles and textile products – Part 1: Safety of children's clothing – Security of attachment of attached components to infants' clothing – Specification (CEN/TS 17394-1:2021)

HRS CEN/TS 17394-3:2021 en pr
Tekstil i tekstilni proizvodi – 3. dio: Sigurnost dječje odjeće – Sigurnost pričvršćivanja mehanički pričvršćenih metalnih kopči za pričvršćivanje – Metoda ispitivanja (CEN/TS 17394-3:2021)
Textiles and textile products – Part 3: Safety of children's clothing – Security of attachment of metal mechanically applied press fasteners – Test method (CEN/TS 17394-3:2021)

HRS CEN/TS 17394-4:2021 en pr
Tekstil i tekstilni proizvodi – 4. dio: Sigurnost dječje odjeće – Sigurnost pričvršćivanja komponenta, osim dugmadi i mehanički pričvršćenih metalnih kopči za pričvršćivanje – Metoda ispitivanja (CEN/TS 17394-4:2021)
Textiles and textile products – Part 4: Safety of children's clothing – Security of attachment of components except buttons and metal mechanically applied press fasteners – Test method (CEN/TS 17394-4:2021)

HRN CWA 17553:2021 hr-en pr-pp
Maske za lice za građanstvo – Upute za minimalne zahtjeve, metode ispitivanja i upotrebu (CWA 17553:2020)
Community face coverings – Guide to minimum requirements, methods of testing and use (CWA 17553:2020)

HRN EN ISO 21765:2021 en pr
Tekstil – Određivanje sklonosti deformaciji plošnog proizvoda prisilnim mehaničkim rastezanjem (ISO 21765:2020; EN ISO 21765:2021)
Textiles – Determination of fabric deformability by forced mechanical distension (ISO 21765:2020; EN ISO 21765:2021)

HZN/TO 562, Alatni strojevi i alati

HRN EN ISO 19085-10:2020/A11:2021 en pr
Strojevi za obradu drveta – Sigurnost – 10. dio: Građevinske pile (EN ISO 19085-10:2019/A11:2020)
Woodworking machines – Safety – Part 10: Building site saws (contractor saws) (EN ISO 19085-10:2019/A11:2020)

HZN/TO 563, Sigurnost strojeva

HRN EN 1673:2021 en pr
Strojevi za preradu hrane – Rotirajuće etažne peći – Sigurnosni i higijenski zahtjevi (EN 1673:2020)
Food processing machinery – Rotary rack ovens – Safety and hygiene requirements (EN 1673:2020)

HRN EN 1974:2021 en pr
Strojevi za preradu hrane – Strojevi za rezanje – Sigurnosni i higijenski zahtjevi (EN 1974:2020)
Food processing machinery – Slicing machines – Safety and hygiene requirements (EN 1974:2020)

HRN EN ISO 9902-6:2021 en pr
Tekstilni strojevi – Određivanje emisije buke – 6. dio: Strojevi za proizvodnju plošnih tekstila (ISO 9902-6:2018; EN ISO 9902-6:2021)
Textile machinery – Noise test code – Part 6: Fabric manufacturing machinery (ISO 9902-6:2018; EN ISO 9902-6:2021)

HRN EN 12463:2021 en pr
Strojevi za preradu hrane – Strojevi za punjenje i zamjenjiva oprema – Sigurnosni i higijenski zahtjevi (EN 12463:2021)
Food processing machinery – Filling machines and interchangeable equipment – Safety and hygiene requirements (EN 12463:2021)

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

HRN EN ISO 16140-3:2021 en pr
Mikrobiologija u lancu hrane – Validacija metoda – 3. dio: Protokol za verifikaciju referentnih metoda i validiranih alternativnih metoda koje se primjenjuju u jednom laboratoriju (ISO 16140-3:2021; EN ISO 16140-3:2021)
Microbiology of the food chain – Method validation – Part 3: Protocol for the verification of reference methods and validated alternative methods in a single laboratory (ISO 16140-3:2021; EN ISO 16140-3:2021)

HZN/TO 572, Kruta oporabljena goriva

HRN EN ISO 21644:2021 en pr
Kruta oporabljena goriva – Metode određivanja sadržaja biomase (ISO 21644:2021; EN ISO 21644:2021)
Solid recovered fuels – Methods for the determination of biomass content (ISO 21644:2021; EN ISO 21644:2021)

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

HRN ISO 18091:2021 en pr
Sustavi upravljanja kvalitetom – Smjernice za primjenu ISO 9001 u lokalnoj upravi (ISO 18091:2019)
Quality management systems – Guidelines for the application of ISO 9001 in local government (ISO 18091:2019)

HRN EN ISO 56000:2021 en pr
Upravljanje inovacijama – Osnove i terminološki rječnik (ISO 56000:2020; EN ISO 56000:2021)
Innovation management – Fundamentals and vocabulary (ISO 56000:2020; EN ISO 56000:2021)

HRN EN ISO 56002:2021 en pr
Upravljanje inovacijama – Sustav upravljanja inovacijama – Smjernice (ISO 56002:2019; EN ISO 56002:2021)
Innovation management – Innovation management system – Guidance (ISO 56002:2019; EN ISO 56002:2021)

HRN EN ISO 56003:2021 en pr
Upravljanje inovacijama – Alati i metode za inovacijsko partnerstvo – Smjernice (ISO 56003:2019; EN ISO 56003:2021)
Innovation management – Tools and methods for innovation partnership – Guidance (ISO 56003:2019; EN ISO 56003:2021)

HRI CEN ISO/TR 56004:2021 en pr
Procjena upravljanja inovacijama – Smjernice (ISO/TR 56004:2019; CEN ISO/TR 56004:2020)
Innovation Management Assessment – Guidance (ISO/TR 56004:2019; CEN ISO/TR 56004:2020)

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

HRN EN ISO 54321:2021 en pr
Tlo, obrađeni biootpad, mulj i otpad – Razgradnja frakcija elemenata topljivih u zlatotopci (ISO 54321:2020; EN ISO 54321:2021)
Soil, treated biowaste, sludge and waste – Digestion of aqua regia soluble fractions of elements (ISO 54321:2020; EN ISO 54321:2021)

HZN/TO E9, Električna oprema za željeznicu

HRN EN 50488:2021 en pr
Željeznički sustav – Stabilna postrojenja – Električne zaštitne mjere za rad na ili u blizini sustava kontaktnog voda i/ili njemu pridruženog povratnog kruga (EN 50488:2021)
Railway applications – Fixed Installations – Electrical protective measures for working on or near an overhead contact line system and/or its associated return circuit (EN 50488:2021)

HZN/TO E22, Energetska elektronika

HRN EN 61800-5-1:2008/A11:2021 en pr
Elektromotorni sustavi prilagodljive brzine – Dio 5-1: Zahtjevi na sigurnost – Električni, toplinski i energetske (EN 61800-5-1:2007/A11:2021)
Adjustable speed electrical power drive systems – Part 5-1: Safety requirements – Electrical, thermal and energy (EN 61800-5-1:2007/A11:2021)

HRN EN IEC 62040-1:2019/A11:2021 en pr
Energetski sustavi neprekidnog napajanja (UPS) – 1. dio: Sigurnosni zahtjevi (EN IEC 62040-1:2019/A11:2021)
Uninterruptible power systems (UPS) – Part 1: Safety requirements (EN IEC 62040-1:2019/A11:2021)

HRN EN 62477-1:2013/A12:2021 en pr
Zahtjevi na sigurnost sustava elektroničkih energetske pretvarača i opreme – 1. dio: Općenito (EN 62477-1:2012/A12:2021)
Safety requirements for power electronic converter systems and equipment – Part 1: General (EN 62477-1:2012/A12:2021)

HZN/TO E23, Električni instalacijski pribor

HRN EN IEC 61058-2-1:2021 en pr
Sklopke za aparate – Dio 2-1: Posebni zahtjevi za sklopke na priključnim gipkim vodovima (IEC 61058-2-1:2018; EN IEC 61058-2-1:2021)
Switches for appliances – Part 2-1: Particular requirements for cord switches (IEC 61058-2-1:2018; EN IEC 61058-2-1:2021)

HRN EN IEC 61058-2-4:2021 en pr
Sklopke za aparate – Dio 2-4: Posebni zahtjevi za neovisno ugrađene sklopke (IEC 61058-2-4:2018; EN IEC 61058-2-4:2021)
Switches for appliances – Part 2-4: Particular requirements for independently mounted switches (IEC 61058-2-4:2018; EN IEC 61058-2-4:2021)

HRN EN IEC 61058-2-5:2021 en pr
Sklopke za aparate – Dio 2-5: Posebni zahtjevi za preklopke (IEC 61058-2-5:2018; EN IEC 61058-2-5:2021)
Switches for appliances – Part 2-5: Particular requirements for change-over selectors (IEC 61058-2-5:2018; EN IEC 61058-2-5:2021)

HZN/TO E31, Eksplozivne atmosfere

HRN EN IEC 60079-10-1:2021 en pr
Eksplozivne atmosfere – Dio 10-1: Klasifikacija ugroženih prostora – Eksplozivne atmosfere plinova (IEC 60079-10-1:2020; EN IEC 60079-10-1:2021)
Explosive atmospheres – Part 10-1: Classification of areas – Explosive gas atmospheres (IEC 60079-10-1:2020; EN IEC 60079-10-1:2021)

HZN/TO E34, Žarulje, svjetiljke i pripadna oprema

HRN EN 60061-1:2008/A61:2021 en pr
Podnošci i grla za žarulje, granična mjerila za kontrolu zamjenjivosti i sigurnosti – 1. dio: Podnošci za žarulje (IEC 60061-1:1969/am61:2020; EN 60061-1:1993/A61:2021)
Lamp caps and holders together with gauges for the control of interchangeability and safety – Part 1: Lamps Caps (IEC 60061-1:1969/am61:2020; EN 60061-1:1993/A61:2021)

HRN EN 60061-2:2008/A57:2021 en pr
Podnošci i grla za žarulje, granična mjerila za kontrolu zamjenjivosti i sigurnosti – 2. dio: Grla za žarulje (IEC 60061-2:1969/am57:2020; EN 60061-2:1993/A57:2021)
Lamp caps and holders together with gauges for the control of interchangeability and safety – Part 2: Lampholders (IEC 60061-2:1969/am57:2020; EN 60061-2:1993/A57:2021)

HRN EN IEC 60598-2-23:2021 en pr
Svjetiljke – Dio 2-23: Posebni zahtjevi – Sustavi vrlo niskog napona za izvore svjetla vrlo niskog napona (IEC 60598-2-23:2020; EN IEC 60598-2-23:2021)
Luminaires – Part 2-23: Particular requirements – Extra-low-voltage lighting systems for ELV light sources (IEC 60598-2-23:2020; EN IEC 60598-2-23:2021)

HZN/TO E42, Visokonaponska ispitivanja

HRN EN IEC 61083-3:2021 en pr
Instrumenti i programska podrška za mjerenja pri visokonaponskim i visokostrujnim ispitivanjima – 3. dio: Zahtjevi za opremu za ispitivanja izmjeničnim i istosmjernim naponima i strujama (IEC 61083-3:2020; EN IEC 61083-3:2021)
Instruments and software used for measurement in high-voltage and high-current tests – Part 3: Requirements for hardware for tests with alternating and direct voltages and currents (IEC 61083-3:2020; EN IEC 61083-3:2021)

HZN/TO E55, Žice za namote

HRN EN IEC 60172:2021 en pr
Postupak ispitivanja za određivanje indeksa temperature lakiranih i trakom omotanah žica za namote (IEC 60172:2020; EN IEC 60172:2021)
Test procedure for the determination of the temperature index of enamelled and tape wrapped winding wires (IEC 60172:2020; EN IEC 60172:2021)

HZN/TO E57, Upravljanje energetske sustavom i pridružene komunikacije

HRN EN IEC 62325-451-10:2021 en pr
Okvir za komunikaciju na tržištu električnom energijom – Dio 451-10: Profili za podatke o potrošnji energije ("Moji podaci o energiji") (IEC 62325-451-10:2020; EN IEC 62325-451-10:2021)
Framework for energy market communications – Part 451-10: Profiles for energy consumption data ("My Energy Data") (IEC 62325-451-10:2020; EN IEC 62325-451-10:2021)

HZN/TO E62, Električna oprema u medicinske praksi

HRN EN IEC 60336:2021 en pr
Medicinska električna oprema – Sklopovi rendgenskih cijevi za medicinsku dijagnozu – Dimenzije žarišne točke i srodne karakteristike (IEC 60336:2020; EN IEC 60336:2021)
Medical electrical equipment – X-ray tube assemblies for medical diagnosis – Focal spot dimensions and related characteristics (IEC 60336:2020; EN IEC 60336:2021)

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

HRN EN IEC 61010-2-202:2021 en pr
Sigurnosni zahtjevi za mjernu, upravljačku i laboratorijsku električnu opremu – Dio 2-202: Posebni zahtjevi za električne aktuator ventilata (IEC 61010-2-202:2020; EN IEC 61010-2-202:2021)
Safety requirements for electrical equipment for measurement, control and laboratory use – Part 2-202: Particular requirements for electrically operated valve actuators (IEC 61010-2-202:2020; EN IEC 61010-2-202:2021)

HZN/TO E69, Cestovna i industrijska električna vozila

HRN EN IEC 61851-25:2021 en pr
Sustav kontaktnog punjenja električnih vozila – Dio 25: Oprema za punjenje električnih vozila istosmjernom strujom, kod koje se zaštita oslanja na električno odvajanje (IEC 61851-25:2020; EN IEC 61851-25:2021)
Electric vehicle conductive charging system – Part 25: DC EV supply equipment where protection relies on electrical separation (IEC 61851-25:2020; EN IEC 61851-25:2021)

HZN/TO E501, Elektroakustika i ultrazvuk

HRN EN IEC 61828:2021 en pr
Ultrazvuk – Pretvarači – Definicije i mjerne metode vezane za fokusiranje odaslanih polja (IEC 61828:2020; EN IEC 61828:2021)
Ultrasonics – Transducers – Definitions and measurement methods regarding focusing for the transmitted fields (IEC 61828:2020; EN IEC 61828:2021)

HZN/TO T4, Normizacija u telekomunikacijama

HRN EN 301 925 V1.6.1:2021 en pr
Radiotelefonski predajnici i prijamnici za pomorske mobilne službe koji rade u VHF pojasima – Tehničke značajke i metode mjerenja (EN 301 925 V1.6.1:2020)
Radiotelephone transmitters and receivers for the maritime mobile service operating in VHF bands – Technical characteristics and methods of measurement (EN 301 925 V1.6.1:2020)

HRN EN 303 276 V1.2.1:2021 en pr
Pomorska širokopoljasna radioveza koja radi unutar pojasa 5 852 MHz do 5 872 MHz i/ili 5 880 MHz do 5 900 MHz za brodove i obalne instalacije uključene u koordinirane aktivnosti – Harmonizirana norma za pristup radijskom spektru (EN 303 276 V1.2.1:2021)
Maritime Broadband Radiolink operating within the bands 5 852 MHz to 5 872 MHz and/or 5 880 MHz to 5 900 MHz for ships and off-shore installations engaged in coordinated activities – Harmonised Standard for access to radio spectrum (EN 303 276 V1.2.1:2021)

HRN EN 303 699 V1.1.1:2021 en pr
Satelitske zemaljske postaje i sustavi (SES) – Nepokretne zemaljske postaje koje komuniciraju s negeostacionarnim satelitskim sustavima u FSS pojasiima 20 GHz i 30 GHz – Harmonizirana norma za pristup radijskom spektru (EN 303 699 V1.1.1:2021)
Satellite Earth Stations and Systems (SES) – Fixed earth stations communicating with non-geostationary satellite systems in the 20 GHz and 30 GHz FSS bands – Harmonised Standard for access to radio spectrum (EN 303 699 V1.1.1:2021)

HZN/TU B1, Graditeljstvo 1

HRN EN 17210:2021 en pr
Pristupačnost i upotrebljivost izgrađenog okoliša – Funkcionalni zahtjevi (EN 17210:2021)
Accessibility and usability of the built environment – Functional requirements (EN 17210:2021)

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

HRN EN 14104:2021 en pr
Derivati masti i ulja – Metilni esteri masnih kiselina – Određivanje kiselinskog broja (EN 14104:2021)
Fat and oil derivatives – Fatty acid methyl ester (FAME) – Determination of acid value (EN 14104:2021)

HRN EN ISO 16474-3:2021 en pr
Boje i lakovi – Metode izlaganja izvorima svjetla u laboratoriju – 3. dio: Fluorescentne UV svjetiljke (ISO 16474-3:2021; EN ISO 16474-3:2021)
Paints and varnishes – Methods of exposure to laboratory light sources – Part 3: Fluorescent UV lamps (ISO 16474-3:2021; EN ISO 16474-3:2021)

HRI CEN/TR 17611:2021 en pr
Alge i proizvodi na bazi algi – Specifikacije za primjene u kozmetičkom sektoru (CEN/TR 17611:2021)
Algae and algae products – Specifications for cosmetic sector applications (CEN/TR 17611:2021)

HRI CEN/TR 17612:2021 en pr
Alge i proizvodi na bazi algi – Specifikacija za primjene u farmaceutskom sektoru (CEN/TR 17612:2021)
Algae and algae products – Specifications for pharmaceutical sector applications (CEN/TR 17612:2021)

HZN/TU I2, Strojstvo 2

HRN EN 12609:2021 en pr
Kamioni mješalice – Sigurnosni zahtjevi (EN 12609:2021)
Truck mixers – Safety requirements (EN 12609:2021)

HZN/TU N1, Nemetalni materijali 1

HRN EN ISO 14705:2021 en pr
Fine ceramics (advanced ceramics, advanced technical ceramics) – Test method for hardness of monolithic ceramics at room temperature (ISO 14705:2016; EN ISO 14705:2021)

HRN EN ISO 17172:2021 en pr
Fine ceramics (advanced ceramics, advanced technical ceramics) – Determination of compaction properties of ceramic powders (ISO 17172:2014; EN ISO 17172:2021)

HRN EN ISO 18610:2021 en pr
Fine ceramics (advanced ceramics, advanced technical ceramics) – Mechanical properties of ceramic composites at ambient temperature in air atmospheric pressure – Determination of elastic properties by ultrasonic technique (ISO 18610:2016; EN ISO 18610:2021)

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

HRN EN ISO 5840-1:2021 en pr
Kardiovaskularni implantati – Umjetni srčani zalisci – 1. dio: Opći zahtjevi (ISO 5840-1:2021; EN ISO 5840-1:2021)
Cardiovascular implants – Cardiac valve prostheses – Part 1: General requirements (ISO 5840-1:2021; EN ISO 5840-1:2021)

HRN EN ISO 5840-2:2021 en pr
Kardiovaskularni implantati – Umjetni srčani zalisci – 2. dio: Kirurški ugrađeni nadomjesci srčanog zaliska (ISO 5840-2:2021; EN ISO 5840-2:2021)
Cardiovascular implants – Cardiac valve prostheses – Part 2: Surgically implanted heart valve substitutes (ISO 5840-2:2021; EN ISO 5840-2:2021)

HRN EN ISO 5840-3:2021 en pr
Kardiovaskularni implantati – Umjetni srčani zalisci – 3. dio: Nadomjesci srčanog zaliska ugrađeni putem katetera (ISO 5840-3:2021; EN ISO 5840-3:2021)
Cardiovascular implants – Cardiac valve prostheses – Part 3: Heart valve substitutes implanted by transcatheter techniques (ISO 5840-3:2021; EN ISO 5840-3:2021)

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

HRN EN 4861:2021 en pr
Zrakoplovstvo – Postupak mjeriteljskog ocjenjivanja za kinematička polja mjerena digitalnom korelacijom slika (EN 4861:2020)
Aerospace series – Metrological assessment procedure for kinematic fields measured by digital image correlation (EN 4861:2020)

HRN EN 4864:2021 en pr
Zrakoplovstvo – Ispitivanje utjecaja okoliša – Ispitivanje visoke dinamičke abrazije, oštećenja, ogrebotina i udaraca u unutrašnjosti kabine (EN 4864:2020)
Aerospace series – Environmental testing – High dynamic abrasion, mar, scratch and punch test in cabin interior (EN 4864:2020)

HRN EN 16842-5:2021 en pr
Industrijska vozila na motorni pogon – Vidljivost – Metoda ispitivanja za verifikaciju – 5. dio: Industrijska vozila promjenjivog dohvata kapaciteta većeg od 10 000 kg (EN 16842-5:2021)
Powered industrial trucks – Visibility – test methods and verification – Part 5: Industrial variable-reach trucks greater than 10 000 kg capacity (EN 16842-5:2021)

HRN EN 16842-8:2021 en pr
Industrijska vozila na motorni pogon – Vidljivost – Metoda ispitivanja za verifikaciju – 8. dio: Industrijska vozila promjenjivog dohvata kapaciteta do i uključujući 10 000 kg (EN 16842-8:2021)
Powered industrial trucks – Visibility-test methods and verification – Part 8: Stand-on counterbalance trucks up to and including 10 000 kg capacity (EN 16842-8:2021)

HZN/TU U1, Opća elektrotehnika 1

HRN EN IEC 62474:2019/A1:2021 en pr
Deklaracija materijala za proizvode za elektrotehničku industriju (IEC 62474:2018/am1:2020; EN IEC 62474:2019/A1:2021)
Material declaration for products of and for the electrotechnical industry (IEC 62474:2018/am1:2020; EN IEC 62474:2019/A1:2021)

HZN/TU V1, Elektronika 1

HRN EN IEC 60352-7:2021 en pr
Nelemljeni spojevi – 7. dio: Spojevi opružnih stezaljki – Opći zahtjevi, metode ispitivanja i praktične upute (IEC 60352-7:2020; EN IEC 60352-7:2021)
Solderless connections – Part 7: Spring clamp connections – General requirements, test methods and practical guidance (IEC 60352-7:2020; EN IEC 60352-7:2021)

HRN EN IEC 60384-17:2019/lpr.1:2021 en pr
Fiksni kondenzatori za uporabu u elektroničkoj opremi – 17. dio: Sekcijska specifikacija – Fiksni kondenzatori za izmjenični napon i impuls s dielektrikom od metaliziranog polipropilenskog filma (IEC 60384-17:2019/Corr.1:2020; EN IEC 60384-17:2019/AC:2021)
Fixed capacitors for use in electronic equipment – Part 17: Sectional specification – Fixed metallized polypropylene film dielectric AC and pulse capacitors (IEC 60384-17:2019/Corr.1:2020; EN IEC 60384-17:2019/AC:2021)

HRN EN IEC 61300-3-30:2021 en pr
Svjetlovodni uređaji za međusobno spajanje i pasivne komponente – Osnovni postupci ispitivanja i mjerenja – Dio 3-30: Ispitivanja i mjerenja – Geometrija krajnje površine pravokutnog vijka (IEC 61300-3-30:2020; EN IEC 61300-3-30:2021)
Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 3-30: Examinations and measurements – Endface geometry of rectangular ferrule (IEC 61300-3-30:2020; EN IEC 61300-3-30:2021)

HRN EN IEC 61300-3-53:2021 en pr
Svjetlovodni uređaji za međusobno spajanje i pasivne komponente – Osnovni postupci ispitivanja i mjerenja – Dio 3-53: Ispitivanja i mjerenja – Metoda mjerenja zaokruženi kutnog toka (EAF) koja se temelji na dvodimenzionalnim podacima dalekog polja višenačinskog valovoda (uključujući vlakna) (IEC 61300-3-53:2020; EN IEC 61300-3-53:2021)
Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 3-53: Examinations and Measurements – Encircled angular flux (EAF) measurement method based on two-dimensional far field data from multimode waveguide (including fibre) (IEC 61300-3-53:2020; EN IEC 61300-3-53:2021)

HRN EN IEC 62435-7:2021 en pr
Elektroničke komponente – Dugoročno skladištenje elektroničkih poluvodičkih uređaja – 7. dio: Mikroelektromehanički uređaji (IEC 62435-7:2020; EN IEC 62435-7:2021)
Electronic components – Long-term storage of electronic semiconductor devices – Part 7: Micro-electromechanical devices (IEC 62435-7:2020; EN IEC 62435-7:2021)

HRN EN IEC 63138-2:2021 en pr
Višekanalni radiofrekvencijski konektori – 2. dio: Sekcijska specifikacija za kružne konektore serije MQ4 (IEC 63138-2:2020; EN IEC 63138-2:2021)
Multi-channel radio-frequency connector – Part 2: Sectional specification for MQ4 series circular connectors (IEC 63138-2:2020; EN IEC 63138-2:2021)

HRN EN IEC 63185:2021 en pr
Mjerenje složene permitivnosti dielektričnih podloga s malim gubicima metodom simetričnog rezonatora kružnog diska (IEC 63185:2020; EN IEC 63185:2021)
Measurement of the complex permittivity for low-loss dielectric substrates balanced-type circular disk resonator method (IEC 63185:2020; EN IEC 63185:2021)

HZN/TU W1, Energetska elektrotehnika 1

HRN EN 50291-1:2018/Ispr.1:2021 en pr
Uređaji za otkrivanje plinova – Električna oprema za otkrivanje ugljikovog monoksida u kućanskim prostorima – 1. dio: Metode ispitivanja i izvedbeni zahtjevi (EN 50291-1:2018/AC:2021)
Gas detectors – Electrical apparatus for the detection of carbon monoxide in domestic premises – Part 1: Test methods and performance requirements (EN 50291-1:2018/AC:2021)

HRN EN IEC 60675-2:2021 en pr
Kućanske sobne grijalice s izravnim grijanjem – Postupak mjerenja radnih značajka – 2. dio: Dodatni zahtjevi za mjerenje faktora zračenja (IEC 60675-2:2020; EN IEC 60675-2:2021)
Household electric direct-acting room heaters – Methods for measuring performance – Part 2: Additional provisions for the measurement of the radiation factor (IEC 60675-2:2020; EN IEC 60675-2:2021)

HRN EN IEC 60675-3:2021 en pr
Kućanske sobne grijalice s izravnim grijanjem – Postupak mjerenja radnih značajka – 3. dio: Dodatni zahtjevi za mjerenje učinkovitosti zračenja (IEC 60675-3:2020; EN IEC 60675-3:2021)
Household electric direct-acting room heaters – Methods for measuring performance – Part 3: Additional provisions for the measurement of the radiation efficiency (IEC 60675-3:2020; EN IEC 60675-3:2021)

HRN EN IEC 61810-4:2021 en pr
Elektromehanički osnovni releji – 4. dio: Opći i sigurnosni zahtjevi za cijevne releje (IEC 61810-4:2020; EN IEC 61810-4:2020)
Electromechanical elementary relays – Part 4: General and safety requirements for reed relays (IEC 61810-4:2020; EN IEC 61810-4:2020)

HRN EN IEC 62485-5:2021 en pr
Sigurnosni zahtjevi za sekundarne baterije i baterijske instalacije – 5. dio: Siguran rad stacionarnih litij-ionskih baterija (IEC 62485-5:2020; EN IEC 62485-5:2021)
Safety requirements for secondary batteries and battery installations – Part 5: Safe operation of stationary lithium-ion batteries (IEC 62485-5:2020; EN IEC 62485-5:2021)

HRN EN IEC/ASTM 62885-7:2021 en pr
Uređaji za čišćenje površina – 7. dio: Roboti za suho čišćenje za kućnu i sličnu primjenu – Metode za mjerenje radnih značajka (IEC/ASTM 62885-7:2020; EN IEC/ASTM 62885-7:2021)
Surface cleaning appliances – Part 7: Dry-cleaning robots for household or similar use – Methods for measuring the performance (IEC/ASTM 62885-7:2020; EN IEC/ASTM 62885-7:2021)

HZN/TU Z1, Informatika 1

HRN EN ISO/IEC 27017:2021 en pr
Informacijska tehnologija – Sigurnosne tehnike – Kodeks postupaka za upravljanje informacijskom sigurnošću na temelju ISO/IEC 27002 za usluge računalstva u oblaku (ISO/IEC 27017:2015; EN ISO/IEC 27017:2021)
Information technology – Security techniques – Code of practice for information security controls based on ISO/IEC 27002 for cloud services (ISO/IEC 27017:2015; EN ISO/IEC 27017:2021)

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 28, Naftni proizvodi i maziva

prEN ISO 4259-4 en
Petroleum and related products – Precision of measurement methods and results – Part 4: Use of Statistical Control Charts to validate 'in-statistical-control' status for the execution of a standard test method in a single laboratory

EN ISO 20884:2019/prA1 en
Petroleum products – Determination of sulfur content of automotive fuels – Wavelength-dispersive X-ray fluorescence spectrometry – Amendment 1: Addition of the SSD detector to the Monochromatic Excitation part of Table 1 (ISO 20884:2019/DAmD 1:2021)

HZN/TO 37, Terminologija

prEN ISO 24019 en
Simultaneous interpreting delivery platforms – Requirements and recommendations (ISO/DIS 24019:2021)
Platforme za simultano prevođenje – Zahtjevi i preporuke (ISO/DIS 24019:2021)

ISO 24617-1:2012 en
Language resource management – Semantic annotation framework (SemAF) – Part 1: Time and events (SemAF-Time; ISO-TimeML)
Upravljanje jezičnim resursima – Okvir za semantičko označavanje (SemAF) – 1. dio: Vrijeme i događaji (SemAF-Time, ISO-TimeML)

ISO 24617-2:2020 en
Language resource management – Semantic annotation framework (SemAF) – Part 2: Dialogue acts
Upravljanje jezičnim resursima – Okvir za semantičko označavanje (SemAF) – 2. dio: Dijaloški čin

ISO 24617-9:2019 en
Language resource management – Semantic annotation framework – Part 9: Reference annotation framework (RAF)
Upravljanje jezičnim resursima – Okvir za semantičko označavanje – 9. dio: Okvir za označavanje referencija (RAF)

HZN/TO 43, Akustika

prEN ISO 3382-3 en
Acoustics – Measurement of room acoustic parameters – Part 3: Open plan offices (ISO/DIS 3382-3:2021)
Akustika – Mjerenje akustičkih parametara prostorija – 3. dio: Prostorii bez pregrada (ISO/DIS 3382-3:2021)

HZN/TO 89, Furniri i drvne ploče

prEN 12369-3 en
Wood-based panels – Characteristic values for structural design – Part 3: Solid wood panels
Ploče na osnovi drva – Karakteristične vrijednosti za projektiranje konstrukcija – 3. dio: Ploče od masivnoga drva

prEN 13353 en
Solid wood panels (SWP) – Requirements
Ploče iz masivnog drva (SWP) – Zahtjevi

HZN/TO 120, Koža i obuća

prEN 13336 en
Leather – Upholstery leather characteristics – Guide for selection of leather for furniture
Koža – Značajke kože za presvlake – Upute za odabir kože za namještaj

prEN ISO 16189 en
Footwear – Critical substances potentially present in footwear and footwear components – Test method to quantitatively determine dimethylformamide in footwear materials (ISO/DIS 16189:2021)
Obuća – Kritične tvari potencijalno prisutne u obući i dijelovima obuće – Kvantitativna metoda određivanja dimetilformamida u materijalima za obuću (ISO/DIS 16189:2021)

prEN ISO 16190 en
Footwear – Critical substances potentially present in footwear and footwear components – Test method to quantitatively determine polycyclic aromatic hydrocarbons (PAH) in footwear materials (ISO/DIS 16190:2021)
Obuća – Kritične tvari potencijalno prisutne u obući i dijelovima obuće – Kvalitativna metoda određivanja policikličkih aromatskih ugljikovodika (PAH) u materijalima za obuću (ISO/DIS 16190:2021)

prEN 16223-1 en
Leather – Requirements for the designation and description of leather in upholstery and automotive interior applications – Part 1: upholstery applications

prEN 16223-2 en
Leather – Requirements for the designation and description of leather in upholstery and automotive interior applications – Part 2: Automotive interior applications

HZN/TO 130, Grafička tehnologija

ISO 16612-3:2020 en
Graphic technology – Variable data exchange – Part 3: Using PDF/X-6 (PDF/VT-3)
Grafička tehnologija – Razmjena promjenljivih podataka digitalnog tiska – 3. dio: Upotreba PDF/X-6 (PDF/VT-3)

HZN/TO 135, Nerazorna ispitivanja

prEN ISO 9712 en
Non-destructive testing – Qualification and certification of NDT personnel (ISO/DIS 9712:2021)
Nerazorno ispitivanje – Kvalifikacija i certifikacija NDT osoblja (ISO/DIS 9712:2021)

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

prEN 751-3 en
Sealing materials for metallic threaded joints in contact with 1st, 2nd and 3rd family gases and hot water – Part 3: Unsintered PTFE tapes and PTFE strings

prEN 14541-1 en
Plastics pipes and fittings – Utilisation of thermoplastics recyclates – Part 1: Terminology

HZN/TO 147, Kvaliteta vode

ISO/FDIS 6107 en
Water quality – Vocabulary
Kvaliteta vode – Terminološki rječnik

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

prEN 81-44 en
Safety rules for the construction and installation of lifts – Special lifts for the transport of persons and goods – Part 44: Lifting appliances in wind turbines
Sigurnosna pravila za konstrukciju i ugradnju dizala – Posebna dizala za transport osoba i tereta – 44. dio: Uređaji za podizanje u vjetroagregatima

HZN/TO 182, Geotehničke konstrukcije

EN ISO 17892-12:2018/prA1 en
Geotechnical investigation and testing – Laboratory testing of soil – Part 12: Determination of liquid and plastic limits (ISO 17892-12:2018/Damd 1:2021)
Geotehničko istraživanje i ispitivanje – Laboratorijsko ispitivanje tla – 12. dio: Određivanje granice tečenja i granice plastičnosti (ISO 17892-12:2018/Damd 1:2021)

HZN/TO 196, Prirodni kamen

prEN 12372 en
Natural stone test methods – Determination of flexural strength under concentrated load
Metode ispitivanja prirodnoga kamena – Određivanje čvrstoće pri savijanju pod koncentriranim opterećenjem

HZN/TO 502, Plinski uređaji

prEN 16830 en
Safety and control devices for burners and appliances burning gaseous or liquid fuels – Control functions in electronic systems – Temperature Control function
Sigurnosni i regulacijski uređaji za plamenike i uređaje na plinska ili tekuća goriva – Regulacijske funkcije u elektroničkim sustavima – Funkcija regulacije temperature

HZN/TO 503, Metalni materijali

EN 573-3:2019/prA1 en
Aluminium and aluminium alloys – Chemical composition and form of wrought products – Part 3: Chemical composition and form of products
Aluminij i aluminijeve legure – Kemijski sastav i oblik gnječenih proizvoda – 3. dio: Kemijski sastav i oblik proizvoda

prEN ISO 683-5 en
Heat treatable steels, alloy steels and free-cutting steels – Part 5: Nitriding steels (ISO 683-5:2017)

prEN 851 en
Aluminium and aluminium alloys – Circle and circle stock for the production of culinary utensils – Specifications
Aluminij i aluminijeve legure – Rondele i materijal za rondelje za proizvodnju kuhinjskog posuđa – Specifikacije

prEN 941 en
Aluminium and aluminium alloys – Circle and circle stock for the production of general applications – Specifications
Aluminij i aluminijeve legure – Rondele i materijal za rondelje za proizvode opće namjene – Specifikacije

HZN/TO 504, Korozija i zaštita metala i legura

prEN 15112 en
External cathodic protection of well casings
Vanjska katodna zaštita zaštitnih cijevi bušotina

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

prEN ISO 10423 en
Petroleum and natural gas industries – Drilling and production equipment – Wellhead and christmas tree equipment (ISO/DIS 10423)
Industrija nafte i prirodnog plina – Oprema za bušenje i proizvodnju – Oprema za bušotinske glave i erupcijske uređaje (ISO/DIS 10423)

HZN/TO 521, *Usluge održavanja*

EN 15341:2019/prA1 en
Maintenance – Maintenance Key Performance Indicators
Održavanje – Ključni pokazatelji učinkovitosti održavanja

HZN/TO 526, *Bitumenska veziva*

prEN 12847 en
Bitumen and bituminous binders – Determination of settling tendency of bituminous emulsions
Bitumen i bitumenska veziva – Određivanje sklonosti taloženju bitumenskih emulzija

prEN 12850 en
Bitumen and bituminous binders – Determination of the pH value of bituminous emulsions
Bitumen i bitumenska veziva – Određivanje pH vrijednosti bitumenskih emulzija

prEN 17643 en
Bitumen and bituminous binders – Determination of equi-shear modulus temperature using a Dynamic Shear Rheometer (DSR) – BTSV test

HZN/TO 528, *Oprema za željeznice*

prEN 13481-2 en
Railway Applications – Track – Performance Requirements for Fastening Systems – Part 2: Fastening systems for concrete sleepers in ballast
Željeznički sustav – Željeznički gornji ustroj – Zahtjevi za izvedbu kolosiječnoga pričvrstnog pribora – 2. dio: Kolosiječni pričvrstni pribor za betonske pragove u zastoru

prEN 13481-3 en
Railway Applications – Track – Performance Requirements for Fastening Systems – Part 3: Fastening Systems for wood and polymeric composite sleepers
Željeznički sustav – Željeznički gornji ustroj – Zahtjevi za izvedbu kolosiječnoga pričvrstnog pribora – 3. dio: Kolosiječni pričvrstni pribor za drvene i sintetičke polimerske pragove

prEN 13481-4 en
Railway applications – Track – Performance requirements for fastening systems – Part 4: Fastening systems for steel sleepers in ballast
Željeznički sustav – Željeznički gornji ustroj – Zahtjevi za izvedbu kolosiječnoga pričvrstnog pribora – 4. dio: Kolosiječni pričvrstni pribor za čelične pragove u zastoru

prEN 13481-5 en
Railway Applications – Track – Performance requirements for fastening systems – Part 5: Fastening systems for ballastless track
Željeznički sustav – Željeznički gornji ustroj – Zahtjevi za izvedbu kolosiječnoga pričvrstnog pribora – 5. dio: Pričvrstni pribor za kolosiječne sustave na čvrstoj podlozi

prEN 13481-7 en
Railway Applications – Track – Performance requirements for fastening systems – Part 7: Fastening systems for switches and crossings, check rails, insulated rail joints and rail expansion devices
Željeznički sustav – Željeznički gornji ustroj – Zahtjevi za izvedbu kolosiječnoga pričvrstnog pribora – 7. dio: Kolosiječni pričvrstni pribor za skretnice i križišta, tračnice vodilice, izolacijske tračničke sastave i dilatacijske naprave

prEN 15085-3 en
Railway applications – Welding of railway vehicles and components – Part 3: Design requirements
Željeznički sustav – Zavarivanje željezničkih vozila i sastavnih dijelova – 3. dio: Zahtjevi za projektiranje

EN 15734-1:2010/prA1 en
Railway applications – Braking systems of high speed trains – Part 1: Requirements and definitions
Željeznički sustav – Kočni sustavi za vlakove velikih brzina – 1. dio: Zahtjevi i definicije

EN 15734-2:2010/prA1 en
Railway applications – Braking systems of high speed trains – Part 2: Test methods
Željeznički sustav – Kočni sustavi za vlakove velikih brzina – 2. dio: Metode ispitivanja

prEN 17636 en
Railway applications – Infrastructure – Track alignment design parameters for urban rail
Željeznički sustav – Infrastruktura – Parametri za projektiranje geometrije kolosijeka sustava gradskog i prigradskog tračničkog prijevoza

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

prEN 13557 en
Cranes – Controls and control stations
Granici – Upravljački uređaji i njihov smještaj

HZN/TO 531, *Plastika i guma*

prEN ISO 3146 en
Plastics – Determination of melting behaviour (melting temperature or melting range) of semi-crystalline polymers by capillary tube and polarizing-microscope methods (ISO/DIS 3146:2021)
Plastika – Određivanje ponašanja pri taljenju (tališta ili područja taljenja) polukristalastih polimera metodama kapilarne cijevi i polarizacijskog mikroskopa (ISO/DIS 3146:2021)

prEN ISO 13468-2 en
Plastics – Determination of the total luminous transmittance of transparent materials – Part 2: Double-beam instrument (ISO/FDIS 13468-2:2021)
Plastika – Određivanje ukupne svjetlosne propustnosti prozirnih materijala – 2. dio: Instrument s dva snopa (ISO/FDIS 13468-2:2021)

FprCEN/TS 17627 en
Plastics – Recycled plastics – Determination of solid contaminants content
Plastika – Oporabljena plastika – Određivanje sadržaja čvrstih onečišćenja

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

prEN 17635 en
Glass in building – Shatter properties – Requirements and assessment methods
Staklo u graditeljstvu – Svojstva loma – Zahtjevi i metode ocjenjivanja

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

prEN 14908-8 en
Open Data Communication in Building Automation, Controls and Building Management – Control Network Protocol – Part 8: Communication using Broadband over Power Line Networks – With internet protocols
Otvorena podatkovna komunikacija u automatizaciji zgrada, nadzoru i upravljanju zgradama – Mrežni kontrolni protokol – 8. dio: Širokopojasna komunikacija pomoću internetskih protokola putem elektroenergetskih mreža

prEN 14908-9 en
Open Data Communication in Building Automation, Controls and Building Management – Control Network Protocol – Part 9: Wireless Communication in ISM bands
Otvorena podatkovna komunikacija u automatizaciji zgrada, nadzoru i upravljanju zgradama – Mrežni kontrolni protokol – 9. dio: Bežična komunikacija u ISM pojasu

HZN/TO 550, *Opskrba vodom*

prEN 1491 en
Building valves – Expansion valves – Tests and requirements
Ventili u zgradama – Ekspanzijski ventili – Ispitivanja i zahtjevi

HZN/TO 551, *Gradnja*

prEN 15434-1 en
Bonding sealants – Part 1: Bonded glazing sealants
Brtvena ljepljiva – 1. dio: Brtvena ljepljiva za strukturalno ostakljenje

prEN ISO 22057 en
Sustainability in buildings and civil engineering works – Data templates for the use of EPDs for construction products in BIM (ISO/DIS 22057:2021)
Održivost zgrada i inženjerskih građevina – Predložci podataka za izjave zaštite okoliša za građevne proizvode u BIM-u (ISO/DIS 22057:2021)

HZN/TO 556, Osobna zaštitna oprema

prEN ISO 12312-1 en
Eye and face protection – Sunglasses and related eyewear – Part 1: Sunglasses for general use (ISO/DIS 12312-1:2021)
Zaštitna očiju i lica – Sunčane naočale i očna pomagala – 1. dio: Sunčane naočale za opću uporabu (ISO/DIS 12312-1:2021)

HZN/TO 557, Zaštitna odjeća

FprCEN/TR 17620 en
Guidelines for selection, use, care and maintenance of smart garments protecting against heat and flame
Smjernice za odabir, uporabu, njegu i održavanje pametne odjeće koja štiti od topline i plamena

HZN/TO 558, Zaštita dišnih putova

prEN 13794 en
Respiratory protective devices – Self-contained closed-circuit breathing apparatus for escape – Requirements, testing and marking
Zaštitne naprave za disanje – Samostalni uređaji za disanje sa zatvorenim krugom za spašavanje – Zahtjevi, ispitivanje, označavanje

HZN/TO 560, Tekstilni proizvodi

prEN ISO 2076 en
Textiles – Man-made fibres – Generic names (ISO/DIS 2076:2021)
Tekstil – Umjetna vlakna – Generički nazivi (ISO/DIS 2076:2021)

prEN 17117-2 en
Rubber-or plastics-coated fabrics – Mechanical test methods under biaxial stress states – Part 2: Determination of the pattern compensation values

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

prEN ISO 23826 en
Gas cylinders – Ball valves – Specification and testing (ISO/DIS 23826:2021)
Plinske boce – Kuglasti ventili – Specifikacija i ispitivanje (ISO/DIS 23826:2021)

HZN/TO 563, Sigurnost strojeva

prEN ISO 14119 en
Safety of machinery – Interlocking devices associated with guards – Principles for design and selection (ISO/DIS 14119:2021)
Sigurnost strojeva – Uređaji za završavanje povezani štitičima – Načela projektiranja i odabira (ISO/DIS 14119:2021)

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

prEN 17641 en
Foodstuffs – Multimethod for the determination of aflatoxins, deoxynivalenol, fumonisins, ochratoxin A, T-2 toxin, HT-2 toxin and zearalenone by LC-MS/MS
Hrana – Multimetoda za određivanje aflatoksina, deoksinivalenola, fumonizina, okratoksina A, T-2 toksina, HT-2 toksina i zearalenona LC-MS/MS tehnikom

HZN/TO E2, Rotacijski strojevi

prEN IEC 60034-9:2021 en
Rotating electrical machines – Part 9: Noise limits (IEC 60034-9:202X)
Rotacijski električni strojevi – 9. dio: Granice buke (IEC 60034-9:202X)

HZN/TO E34, Žarulje, svjetiljke i pripadna oprema

prEN IEC 62868-2-3:2021 en
Organic Light Emitting Diode (OLED) for general lighting – Safety – Part 2-3: Particular requirements – Flexible OLED tiles and panels (IEC 62868-2-3:202X)
Organske svjetleće diode (OLED) za opću rasvjetu – Sigurnost – Dio 2-3: Posebni zahtjevi – Savitljive OLED ploče i paneli (IEC 62868-2-3:202X)

HZN/TO E57, Upravljanje energetskim sustavom i pridružene komunikacije

prEN IEC 61970-456:2021 en
Energy management system application program interface (EMS-API) – Part 456: Solved power system state profiles (IEC 61970-456:202X)
Sučelje za aplikacije vođenja elektroenergetskog sustava (EMS-API) – 456. dio: Riješeni profili stanja elektroenergetskog sustava (IEC 61970-456:202X)

HZN/TO E61, Sigurnost električnih kućanskih i sličnih aparata

EN 60335-1:2012/prA16 en
Household and similar electrical appliances – Safety – Part 1: General requirements
Kućanski i slični električni aparati – Sigurnost – 1. dio: Opći zahtjevi

EN 60335-2-21:2021/prA1:2021 en
Household and similar electrical appliances – Safety – Part 2-21: Particular requirements for storage water heaters (IEC 60335-2-21:2012/am1:2018)
Kućanski i slični električni aparati – Sigurnost – Dio 2-21: Posebni zahtjevi za akumulacijske grijalice vode (IEC 60335-2-21:2012/am1:2018)

EN 60335-2-35:2016/prA2:2021 en
Household and similar electrical appliances – Safety – Part 2-35: Particular requirements for instantaneous water heaters (IEC 60335-2-35:2012/am2:2020)
Kućanski i slični električni aparati – Sigurnost – Dio 2-35: Posebni zahtjevi protočnih grijača vode (IEC 60335-2-35:2012/am2:2020)

prEN IEC 60335-2-51:2021 en
Household and similar electrical appliances – Safety – Part 2-51: Particular requirements for stationary circulation pumps for heating and service water installations (IEC 60335-2-51:2019)
Kućanski i slični električni aparati – Sigurnost – Dio 2-51: Posebni zahtjevi za neprenosive optočne crpke uređaja za grijanje (IEC 60335-2-51:2019)

prEN IEC 60335-2-51:2021/prAA en
Household and similar electrical appliances – Safety – Part 2-51: Particular requirements for stationary circulation pumps for heating and service water installations
Kućanski i slični električni aparati – Sigurnost – Dio 2-51: Posebni zahtjevi za neprenosive optočne crpke uređaja za grijanje

EN 61770:2009/prAA:2020 en
Electric appliances connected to the water mains – Avoidance of backsiphonage and failure of hose-sets
Električni aparati spojeni na vodovod – Izbjegavanje povratnog usisa i otkazivanja cijevnoga priključka

HZN/TO E62, Električna oprema u medicinskoj praksi

EN IEC 60522-1:2021 en
Medical electrical equipment – Diagnostic X-rays – Part 1: Determination of quality equivalent filtration and permanent filtration (IEC 60522-1:2020)

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

EN IEC 61918:2018/prA1:2021 en
Industrial communication networks – Installation of communication networks in industrial premises (IEC 61918:2018/am1:202X)
Industrijske komunikacijske mreže – Instalacija komunikacijskih mreža u industrijskim uvjetima (IEC 61918:2018/am1:202X)

HZN/TO E79, Alarmni sustavi

prEN 50131-2-2 en
Alarm systems – Intrusion and hold-up systems – Part 2-2: Requirements for passive infrared detectors
Alarmni sustavi – Protuprovalni i protuprepadni sustavi – Dio 2-2: Zahtjevi za pasivne infracrvene detektore

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

- prEN IEC 60688:2021 en
Electrical measuring transducers for converting AC and DC electrical quantities to analogue or digital signals (IEC 60688:202X)
Električni mjerni pretvarači za pretvorbu električnih veličina izmjenične i istosmjerne struje u analogne ili digitalne signale (IEC 60688:202X)

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

- prEN IEC 60958-1:2021 en
Digital audio interface – Part 1: General (TA 20) (IEC 60958-1:202X)
Digitalno audiosučelje – 1. dio: Općenito (TA 20) (IEC 60958-1:202X)
- prEN IEC 60958-3:2021 en
Digital audio interface – Part 3: Consumer applications (TA 20) (IEC 60958-3:202X)
Digitalno audiosučelje – 3. dio: Uređaji za široku potrošnju (IEC 60958-3:202X)
- prEN IEC 62980:2021 en
Parasitic communication protocol for radio-frequency wireless power transmission (TA 15) (IEC 62980:202X)
- prEN IEC 63254:2021 en
Management and Interfaces for WPT – Device to device wireless charging (D2DWC) for mobile devices with wireless power TX/RX module (TA 15) (IEC 63254:202X)
- prEN IEC 63296-1:2021 en
Portable multimedia equipment – Determination of battery duration – Part 1: Powered loudspeaker equipment (TA 19) (IEC 63296-1:202X)

HZN/TO Z2, Ocjenjivanje sukladnosti i akreditacija

- prEN ISO/IEC 17030 en
Conformity assessment – General requirements for third-party marks of conformity (ISO/IEC DIS 17030:2021)
Ocjenjivanje sukladnosti – Opći zahtjevi za oznake sukladnosti treće strane (ISO/IEC DIS 17030:2021)

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

- prEN 17633 en
General principles and requirements for testing for quality and nicotine levels of e-liquids
Opća načela i zahtjevi za ispitivanje kvalitete e-tekućina i razine nikotina u e-tekućinama
- prEN ISO 22319 en
Security and resilience – Community resilience – Guidelines for planning the involvement of spontaneous volunteers (ISO 22319:2017)
Sigurnost i prilagodljivost – Prilagodljivost zajednice – Smjernice za planiranje uključivanja spontanih volontera (ISO 22319:2017)

HZN/TU B1, Graditeljstvo 1

- FprCEN/TR 17621 en
Accessibility and usability of the built environment – Technical performance criteria and specifications
Pristupačnost i upotrebljivost izgrađenog okoliša – Tehnički kriteriji i zahtjevi za izvedbu
- prEN 17637 en
Construction products: Assessment of release of dangerous substances – Dose assessment of emitted gamma radiation

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

- prEN ISO 787-2 en
General methods of test for pigments and extenders – Part 2: Determination of matter volatile at 105 °C (ISO/DIS 787-2:2021)
Opće metode ispitivanja pigmenta i punila – 2. dio: Određivanje tvari hlapljivih na 105 °C (ISO/DIS 787-2:2021)

- prEN 927-5 en
Paints and varnishes – Coating materials and coating systems for exterior wood – Part 5: Assessment of the liquid water permeability
Boje i lakovi – Prekrivni materijali i prekrivni sustavi za drvo izloženo vanjskim utjecajima – 5. dio: Ocjena vodopropusnosti

- prEN ISO 4787 en
Laboratory glass and plastic ware – Volumetric instruments – Methods for testing of capacity and for use (ISO/DIS 4787:2021)
Laboratorijsko stakleno i plastično posuđe – Volumetrijski instrumenti – Metode za ispitivanje kapaciteta i upotrebu (ISO/DIS 4787:2021)

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

- prEN ISO 9680 en
Dentistry – Operating lights (ISO/DIS 9680:2021)
Stomatologija – Operacijska rasvjeta (ISO/DIS 9680:2021)
- prEN 13726 en
Test methods for wound dressings – Aspects of absorbency and moisture vapour transmission, waterproofness and conformability
Metode ispitivanja za primarne zavoje – Aspekti apsorpcije, propuštanje vodene pare, vodonepropusnost i sposobnost oblikovanja

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

- prEN 1915-1 en
Aircraft ground support equipment – General requirements – Part 1: Basic safety requirements
Oprema za zemaljsku podršku zrakoplovu – Opći zahtjevi – 1. dio: Osnovni sigurnosni zahtjevi

- prEN 2002-001 en
Aerospace series – Metallic materials – Test methods – Part 001: Tensile testing at ambient temperature
Zrakoplovstvo – Metalni materijali – Metode ispitivanja – Dio 001: Ispitivanje istezanja pri temperaturi okoline

- EN 4687:2021 en
Aerospace series – Paints and varnishes – Chromate free (non corrosion inhibiting) two-components cold curing primer – Chromate free primer for military application

- EN 4688:2021 en
Aerospace series – Paints and varnishes – Corrosion resistant chromated two-components room temperature curing epoxy primer – High corrosion resistance for military application

- EN 4689:2021 en
Aerospace series – Paints and varnishes – Two-components room temperature curing polyurethane finish – High flexibility and chemical agent resistance for military application

- prEN 12312-1 en
Aircraft ground support equipment – Specific requirements – Part 1: Passenger stairs
Oprema za zemaljsku podršku zrakoplovu – Posebni zahtjevi – 1. dio: Stepenice za putnike

- prEN 16602-70-80 en
Space product assurance – Processing and quality assurance requirements for metallic powder bed fusion technologies for space applications

HZN/TU V1, Elektronika 1

- prEN 50411-3-1 en
Fibre management systems and protective housings to be used in optical fibre communication systems – Product specifications – Part 3-1: Fibre management system, splice wall box, for category C & G

- prEN 50411-3-2 en
Fibre management systems and protective housings to be used in optical fibre communication systems – Product specifications – Part 3-2: Single-mode mechanical fibre splice

- prEN 50411-3-6 en
Fibre management systems and protective housings to be used in optical fibre communication systems – Product specifications – Part 3-6: Multi- mode mechanical fibre splice
- prEN 50411-6-1 en
Fibre management systems and protective housings to be used in optical fibre communication systems – Product specifications – Part 6-1: Unprotected microduct for category S and A
- prEN IEC 61587-1:2021 en
Mechanical structures for electrical and electronic equipment – Tests for IEC 60917 and IEC 60297 series – Part 1: Environmental requirements; test set-up and safety aspects (IEC 61587-1:202X)

HZN/TU W1, *Energetska elektrotehnika 1*

- EN 60143-2:2013/prA1:2021 en
Series capacitors for power systems – Part 2: Protective equipment for series capacitor banks (IEC 60143-2:2012/am1:202X)
Serijski kondenzatori za energetske sustave – 2. dio: Zaštitna oprema za baterije serijskih kondenzatora (IEC 60143-2:2012/am1:202X)
- EN 62841-3-10:2015/prA1:2021 en
Amendment 1 – Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 3-10: Particular requirements for transportable cut-off machines (IEC 62841-3-10:2015/am1:202X)
Amendment 1 – Ručni elektromotorni alati, prijenosni alati i mehanizacija za travnjake i vrtove – Sigurnost – Dio 3-10: Posebni zahtjevi za prijenosne rezne alate (IEC 62841-3-10:2015/am1:202X)
- EN 62841-3-10:2015/prAB en
Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 3-10: Particular requirements for transportable cut-off machines
Ručni elektromotorni alati, prijenosni alati i mehanizacija za travnjake i vrtove – Sigurnost – Dio 3-10: Posebni zahtjevi za prijenosne rezne alate
- EN 62841-3-12:2019/prA1:2021 en
Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 3-12: Particular requirements for transportable threading machines (IEC 62841-3-12:2017/am1:202X)
Ručni elektromotorni alati, prijenosni alati i mehanizacija za travnjake i vrtove – Sigurnost – Dio 3-12: Posebni zahtjevi za prijenosne strojeve za rezanje navoja (IEC 62841-3-12:2017/am1:202X)
- EN 62841-3-12:2019/prAA en
Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 3-12: Particular requirements for transportable threading machines
Ručni elektromotorni alati, prijenosni alati i mehanizacija za travnjake i vrtove – Sigurnost – Dio 3-12: Posebni zahtjevi za prijenosne strojeve za rezanje navoja
- prEN IEC 62841-3-5:2021 en
Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 3-5: Particular requirements for transportable band saws (IEC 62841-3-5:202X)
Ručni elektromotorni alati, prijenosni alati i mehanizacija za travnjake i vrtove – Sigurnost – Dio 3-5: Posebni zahtjevi za prijenosne tračne pile (IEC 62841-3-5:202X)
- prEN IEC 62841-3-5:2021/prAA en
Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 3-5: Particular requirements for transportable band saws
Ručni elektromotorni alati, prijenosni alati i mehanizacija za travnjake i vrtove – Sigurnost – Dio 3-5: Posebni zahtjevi za prijenosne tračne pile
- EN 62841-3-6:2014/prA1:2021 en
Amendment 1 – Electric motor-operated hand-held tools; transportable tools and lawn and garden machinery – Safety – Part 3-6: Particular requirements for transportable diamond drills with liquid system (IEC 62841-3-6:2014/am1:202X)
Ručni elektromotorni alati, prijenosni alati i mehanizacija za travnjake i vrtove – Sigurnost – Dio 3-6: Posebni zahtjevi za prijenosne dijamantne bušilice sa sustavom tekućine (IEC 62841-3-6:2014/am1:202X)

- EN 62841-3-6:2014/prAB en
Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 3-6: Particular requirements for transportable diamond drills with liquid system
Ručni elektromotorni alati, prijenosni alati i mehanizacija za travnjake i vrtove – Sigurnost – Dio 3-6: Posebni zahtjevi za prijenosne dijamantne bušilice sa sustavom tekućine

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 5, *Metalne cijevi i priključci*

- HRN EN 1514-2:2014 en
Prirubnice i njihovi spojevi – Brtve za prirubnice s PN-oznakom – 2. dio: Spiralne brtve za uporabu s čeličnim prirubnicama (EN 1514-2:2014)
Flanges and their joints – Gaskets for PN-designated flanges – Part 2: Spiral wound gaskets for use with steel flanges (EN 1514-2:2014)
- zamijenjena s: HRN EN 1514-2:2021
- HRN EN 14772:2008 en
Prirubnice i njihovi spojevi – Inspekcija osiguranja kvalitete i ispitivanje brtvi sukladno nizu norma EN 1514 i EN 12560 (EN 14772:2005)
Flanges and their joints – Quality assurance inspection and testing of gaskets in accordance with the series of standards EN 1514 and EN 12560 (EN 14772:2005)
- zamijenjena s: HRN EN 14772:2021

HZN/TO 8, *Brodogradnja*

- HRN EN ISO 9093-1:2018 en
Mala plovila – Oplatni ventili i prolazi – 1. dio: Metalni (ISO 9093-1:1994; EN ISO 9093-1:2018)
Small craft – Seacocks and through-hull fittings – Part 1: Metallic (ISO 9093-1:1994; EN ISO 9093-1:2018)
- zamijenjena s: HRN EN ISO 9093:2021
- HRN EN ISO 9093-2:2018 en
Mala plovila – Oplatni ventili i prolazi – 2. dio: Nemetalni (ISO 9093-2:2002; EN ISO 9093-2:2018)
Small craft – Seacocks and through-hull fittings – Part 2: Non-metallic (ISO 9093-2:2002; EN ISO 9093-2:2018)
- zamijenjena s: HRN EN ISO 9093:2021
- HRN EN ISO 16147:2018 en
Mala plovila – Ugrađeni dizelski motori – Komponente sustava, goriva i elektrouređaja ovješene na motor (ISO 16147:2018; EN ISO 16147:2018)
Small craft – Inboard diesel engines – Engine-mounted fuel, oil and electrical components (ISO 16147:2018; EN ISO 16147:2018)
- zamijenjena s: HRN EN ISO 16147:2021

HZN/TO 22, *Cestovna vozila*

- HRN ISO 1585:2003 en
Cestovna vozila – Ispitivanje motora – Neto snaga (ISO 1585:1992)
Road vehicles – Engine test code – Net power (ISO 1585:1992)
- zamijenjena s: HRN ISO 1585:2021
- HRN ISO 2534:2003 en
Cestovna vozila – Ispitivanje motora – Bruto snaga (ISO 2534:1998)
Road vehicles – Engine test code – Gross power (ISO 2534:1998)
- zamijenjena s: HRN ISO 2534:2021
- HRN ISO 2974:2018 en
Dizelski motori – Unutarjni (ženski) stošci od 60° za sastavne dijelove ubrizgavanja goriva pod visokim tlakom (ISO 2974:2016)
Diesel engines – 60° female cones for high-pressure fuel injection components (ISO 2974:2016)
- zamijenjena s: HRN ISO 2974:2021

HRN ISO 3324-1:2014
Gume i naplatci za zrakoplove – 1. dio: Specifikacije (ISO 3324-1:2013)
Aircraft tyres and rims – Part 1: Specifications (ISO 3324-1:2013)
– bez zamjene

HRN ISO 3324-2:2014
Gume i naplatci za zrakoplove – 2. dio: Metode ispitivanja guma (ISO 3324-2:2013)
Aircraft tyres and rims – Part 2: Test methods for tyres (ISO 3324-2:2013)
– bez zamjene

HRN ISO 3584:2003 en
Cestovna vozila – Spojnice ruda – Zamjenjivost (ISO 3584:2001)
Road vehicles – Drawbar couplings – Interchangeability (ISO 3584:2001)
– zamijenjena s: HRN ISO 3584:2021

HRN ISO 4209-2:2014 en
Gume i naplatci za teretne automobile i autobuse (milimetarski nizovi) – 2. dio: Naplatci (ISO 4209-2:2012)
Truck and bus tyres and rims (metric series) – Part 2: Rims (ISO 4209-2:2012)
– zamijenjena s: HRN ISO 4209-2:2021

HRN ISO 4250-3:2014 en
Gume i naplatci za strojeve za zemljane radove – 3. dio: Naplatci (ISO 4250-3:2011)
Earth-mover tyres and rims – Part 3: Rims (ISO 4250-3:2011)
– zamijenjena s: HRN ISO 4250-3:2021

HRN ISO 4925:2012 en
Cestovna vozila – Specifikacija tekućina za kočenje na nemineralnoj osnovi za hidraulične sustave (ISO 4925:2005)
Road vehicles – Specification of non-petroleum-base brake fluids for hydraulic systems (ISO 4925:2005)
– zamijenjena s: HRN ISO 4925:2021

HRN ISO 4926:2012 en
Cestovna vozila – Hidraulični sustavi kočenja – Referencijske tekućine na nemineralnoj osnovi (ISO 4926:2006)
Road vehicles – Hydraulic braking systems – Non-petroleum-base reference fluids (ISO 4926:2006)
– zamijenjena s: HRN ISO 4926:2021

HRN ISO 5011:2015 en
Oprema za pročišćivanje ulaznog zraka za motore s unutarnjim izgaranjem i kompresore – Ispitivanje značajka (ISO 5011:2014)
Inlet air cleaning equipment for internal combustion engines and compressors – Performance testing (ISO 5011:2014)
– zamijenjena s: HRN ISO 5011:2021

HRN ISO 5011:2015/A1:2020 en
Oprema za pročišćivanje ulaznog zraka za motore s unutarnjim izgaranjem i kompresore – Ispitivanje značajka (ISO 5011:2014/Amd 1:2018)
Inlet air cleaning equipment for internal combustion engines and compressors – Performance testing (ISO 5011:2014/Amd 1:2018)
– zamijenjena s: HRN ISO 5011:2021

HRN ISO 8093:2001
Cestovna vozila – Dijagnostika elektroničkih sustava (ISO 8093:1985)
Road vehicles – Diagnostic testing of electronic systems (ISO 8093:1985)
– bez zamjene

HRN ISO 9413:2014 en,fr
Ventili za gume – Dimenzije i oznake (ISO 9413:2012+Amd 1:2012)
Tyre valves – Dimensions and designation (ISO 9413:2012+Amd 1:2012)
– zamijenjena s: HRN ISO 9413:2021

HRN ISO 11452-4:2014 en
Cestovna vozila – Metode ispitivanja sastavnica na električne smetnje od uskopojsnoga zračenja elektromagnetske energije – 4. dio: Metode uzbude kabelskoga snopa (ISO 11452-4:2011)
Road vehicles – Component test methods for electrical disturbances from narrowband radiated electromagnetic energy – Part 4: Harness excitation methods (ISO 11452-4:2011)
– zamijenjena s: HRN ISO 11452-4:2021

HRN ISO 12098:2004 en
Cestovna vozila – Spojnici za električno spajanje vučnih i vučenih vozila – 15-polni spojnik za vozila s nazivnim naponom napajanja 24 V (ISO 12098:2004)
Road vehicles – Connectors for the electrical connection of towing and towed vehicles – 15-pole connector for vehicles with 24 V nominal supply voltage (ISO 12098:2004)
– zamijenjena s: HRN ISO 12098:2021

HRS ISO/TS 15007-2:2015 en
Cestovna vozila – Mjerenje usmjerenosti pogleda vozača s obzirom na prometne obavijesti i upravljačke sustave – 2. dio: Oprema i postupci (ISO/TS 15007-2:2014)
Road vehicles – Measurement of driver visual behaviour with respect to transport information and control systems – Part 2: Equipment and procedures (ISO/TS 15007-2:2014)
– zamijenjena s: HRN ISO 15007:2021

HRN ISO 20176:2014 en
Cestovna vozila – Stroj za određivanje točke H (HPM-II) – Specifikacije i postupak određivanja točke H (ISO 20176:2011)
Road vehicles – H-point machine (HPM-II) – Specifications and procedure for H-point determination (ISO 20176:2011)
– zamijenjena s: HRN ISO 20176:2021

HZN/TO 69, Primjena statističkih metoda

HRN ISO 22514-3:2012 en
Statističke metode pri upravljanju procesima – Sposobnost i izvedba – 3. dio: Analiza rada strojeva na temelju podataka mjerenja na pojedinačnim dijelovima (ISO 22514-3:2008)
Statistical methods in process management – Capability and performance – Part 3: Machine performance studies for measured data on discrete parts (ISO 22514-3:2008)
– zamijenjena s: HRN ISO 22514-3:2021

HZN/TO 82, Rudarstvo

HRN EN 1804-1:2010 en
Strojevi za podzemne rudnike – Sigurnosni zahtjevi za hidrauličnu samohodnu podgradu – 1. dio: Elementi podgrade i opći zahtjevi (EN 1804-1:2001+A1:2010)
Machines for underground mines – Safety requirements for hydraulic powered roof supports – Part 1: Support units and general requirements (EN 1804-1:2001+A1:2010)
– zamijenjena s: HRN EN 1804-1:2021

HRN EN 1804-2:2010 en
Strojevi za podzemne rudnike – Sigurnosni zahtjevi za hidrauličnu samohodnu podgradu – 2. dio: Stojke i pogonski cilindri (EN 1804-2:2001+A1:2010)
Machines for underground mines – Safety requirements for hydraulic powered roof supports – Part 2: Power set legs and rams (EN 1804-2:2001+A1:2010)
– zamijenjena s: HRN EN 1804-2:2021

HRN EN 1804-3:2010 en
Strojevi za podzemne rudnike – Sigurnosni zahtjevi za hidrauličnu samohodnu podgradu – 3. dio: Hidraulički kontrolni sistemi (EN 1804-3:2006+A1:2010)
Machines for underground mines – Safety requirements for hydraulic powered roof supports – Part 3: Hydraulic control systems (EN 1804-3:2006+A1:2010)
– zamijenjena s: HRN EN 1804-3:2021

HZN/TO 92, Zaštita od požara

HRN EN 1366-5:2010 en
Ispitivanja otpornosti na požar servisnih instalacija – 5. dio: Servisni kanali i okna (EN 1366-5:2010)
Fire resistance tests for service installations – Part 5: Service ducts and shafts (EN 1366-5:2010)
– zamijenjena s: HRN EN 1366-5:2021

HZN/TO 163, Toplinska izolacija

HRN EN 13497:2018 en
Toplinsko-izolacijski proizvodi za primjenu u zgradarstvu – Određivanje otpornosti na udar povezanih sustava za vanjsku toplinsku izolaciju (ETICS) (EN 13497:2018)
Thermal insulation products for building applications – Determination of the resistance to impact of external thermal insulation composite systems (ETICS) (EN 13497:2018)
– zamijenjena s: HRN EN 13497:2021

HZN/TO 172, Optika i optički instrumenti

HRN ISO 12858-2:2004 en
Optika i optički instrumenti – Pomoćni uređaji za geodetske uređaje – 2. dio: Tronošci (ISO 12858-2:1999)
Optics and optical instruments – Ancillary devices for geodetic instruments – Part 2: Tripods (ISO 12858-2:1999)
- zamijenjena s: HRN ISO 12858-2:2021

HRN ISO 12858-2:2004/A1:2014 en
Optika i optički instrumenti – Pomoćni uređaji za geodetske uređaje – 2. dio: Tronošci – Amandman 1: Duljina tronožaca (ISO 12858-2:1999/Amd 1:2013)
Optics and optical instruments – Ancillary devices for geodetic instruments – Part 2: Tripods – Amendment 1: Length of tripods (ISO 12858-2:1999/Amd 1:2013)
- zamijenjena s: HRN ISO 12858-2:2021

HZN/TO 301, Upravljanje energijom i ušteda energije

HRN ISO 50004:2016 en
Sustavi upravljanja energijom – Upute za primjenu, održavanje i poboljšavanje sustava upravljanja energijom (ISO 50004:2014)
Energy management systems – Guidance for the implementation, maintenance and improvement of an energy management system (ISO 50004:2014)
- zamijenjena s: HRN ISO 50004:2021

HZN/TO 504, Korozija i zaštita metala i legura

HRN EN ISO 8407:2014 en
Korozija metala i legura – Uklanjanje korozivskih produkata s uzoraka za ispitivanje korozije (ISO 8407:2009; EN ISO 8407:2014)
Corrosion of metals and alloys – Removal of corrosion products from corrosion test specimens (ISO 8407:2009; EN ISO 8407:2014)
- zamijenjena s: HRN EN ISO 8407:2021

HZN/TO 524, Inteligentni transportni sustavi

HRN EN ISO 24014-1:2015 en
Javni prijevoz – Interoperabilni sustav upravljanja naplatom – 1. dio: Arhitektura (ISO 24014-1:2015; EN ISO 24014-1:2015)
Public transport – Interoperable fare management system – Part 1: Architecture (ISO 24014-1:2015; EN ISO 24014-1:2015)
- zamijenjena s: HRN EN ISO 24014-1:2021

HZN/TO 531, Plastika i guma

HRN EN ISO 3861:2009 en
Gumena crijeva za prijenos i vađenje pijeska – Specifikacija (ISO 3861:2005; EN ISO 3861:2008)
Rubber hoses for sand and grit blasting – Specification (ISO 3861:2005; EN ISO 3861:2008)
- zamijenjena s: HRN EN ISO 3861:2021

HRN EN ISO 11542-2:2008 en
Plastika – Vrlo visoko molekularni polietilenski (PE-UHMW) materijali za kalupljenje i ekstrudiranje – 2. dio: Priprema ispitaka i određivanje svojstava (ISO 11542-2:1998; EN ISO 11542-2:1998+AC:2008)
Plastics – Ultra-high-molecular-weight polyethylene (PE-UHMW) moulding and extrusion materials – Part 2: Preparation of test specimens and determination of properties (ISO 11542-2:1998; EN ISO 11542-2:1998+AC:2008)
- zamijenjena s: HRN EN ISO 21304-2:2021

HRN EN 12115:2011 en
Gumena i plastomerna crijeva i crijevni uređaji za tekuće ili plinovite kemikalije – Specifikacija (EN 12115:2011)
Rubber and thermoplastics hoses and hose assemblies for liquid or gaseous chemicals – Specification (EN 12115:2011)
- zamijenjena s: HRN EN 12115:2021

HRN EN 12613:2010 en
Plastične upozoravajuće oznake za podzemne kabele i cjevovode s vizualnim karakteristikama (EN 12613:2009)
Plastics warning devices for underground cables and pipelines with visual characteristics (EN 12613:2009)
- zamijenjena s: HRN EN 12613:2021

HRN EN 12814-2:2008 en
Ispitivanje zavarenih spojeva plastomernih poluproizvoda – 2. dio: Ispitivanje rastezanjem (EN 12814-2:2000)
Testing of welded joints of thermoplastics semi-finished products – Part 2: Tensile test (EN 12814-2:2000)
- zamijenjena s: HRN EN 12814-2:2021

HRN EN 12814-8:2008 en
Ispitivanje zavarenih spojeva plastomernih poluproizvoda – 8. dio: Zahtjevi (EN 12814-8:2001+AC:2003)
Testing of welded joints of thermoplastics semi-finished products – Part 8: Requirements (EN 12814-8:2001+AC:2003)
- zamijenjena s: HRN EN 12814-8:2021

HZN/TO 533, Kolničke konstrukcije

HRN EN 12697-42:2012 en
Bitumenske mješavine – Metode ispitivanja za asfalt proizveden vrućim postupkom – 42. dio: Količina onečišćenja u reciklažnom asfaltnom granulatu (EN 12697-42:2012)
Bituminous mixtures – Test methods for hot mix asphalt – Part 42: Amount of foreign matter in reclaimed asphalt (EN 12697-42:2012)
- zamijenjena s: HRN EN 12697-42:2021

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

HRN EN 1829-1:2010 en
Strojevi s visokotlačnim mlazom vode – Sigurnosni zahtjevi – 1. dio: Strojevi (EN 1829-1:2010)
High pressure water jet machines – Safety requirements – Part 1: Machines (EN 1829-1:2010)
- zamijenjena s: HRN EN 1829-1:2021

HZN/TO 554, Obrada otpadnih voda

HRN EN 14654-1:2014 en
Upravljanje i kontrola radnih aktivnosti u sustavima ispusta i odvodnim kanalima izvan zgrada – 1. dio: Čišćenje (EN 14654-1:2014)
Management and control of operational activities in drain and sewer systems outside buildings – Part 1: Cleaning (EN 14654-1:2014)
- zamijenjena s: HRN EN 14654-1:2021, HRN EN 14654-3:2021

HRN EN 14654-2:2013 en
Upravljanje i kontrola radnih aktivnosti u sustavima ispusta i odvodnim kanalima izvan zgrada – 2. dio: Sanacija (EN 14654-2:2013)
Management and control of operational activities in drain and sewer systems outside buildings – Part 2: Rehabilitation (EN 14654-2:2013)
- zamijenjena s: HRN EN 14654-2:2021

HZN/TO 555, Medicinski proizvodi

HRN EN 14222:2004 en
Dimnocijevni kotlovi od nehrđajućeg čelika (EN 14222:2003)
Stainless steel shell boilers (EN 14222:2003)
- zamijenjena s: HRN EN 14222:2021

HZN/TO 557, Zaštitna odjeća

HRN EN ISO 12402-7:2007 en
Osobne plutajuće naprave – 7. dio: Materijali i sastavni dijelovi – Sigurnosni zahtjevi i ispitne metode (ISO 12402-7:2006; EN ISO 12402-7:2006)
Personal flotation devices – Part 7: Materials and components – Safety requirements and test methods (ISO 12402-7:2006; EN ISO 12402-7:2006)
- zamijenjena s: HRN EN ISO 12402-7:2021

HRN EN ISO 12402-7:2007/A1:2011 en
Osobne plutajuće naprave – 7. dio: Materijali i sastavni dijelovi – Sigurnosni zahtjevi i ispitne metode – Amandman 1 (ISO 12402-7:2006/Amd 1:2011; EN ISO 12402-7:2006/A1:2011)
Personal flotation devices – Part 7: Materials and components – Safety requirements and test methods – Amendment 1 (ISO 12402-7:2006/Amd 1:2011; EN ISO 12402-7:2006/A1:2011)
- zamijenjena s: HRN EN ISO 12402-7:2021

HZN/TO 563, Sigurnost strojeva

HRN EN 1673:2010 en
Strojevi za preradu hrane – Rotirajuće etažne peći – Sigurnosni i higijenski zahtjevi (EN 1673:2000+A1:2009)
Food processing machinery – Rotary rack ovens – Safety and hygiene requirements (EN 1673:2000+A1:2009)
- zamijenjena s: HRN EN 1673:2021

HRN EN 1974:2010 en
Strojevi za preradu hrane – Strojevi za rezanje – Sigurnosni i higijenski zahtjevi (EN 1974:1998+A1:2009)
Food processing machinery – Slicing machines – Safety and hygiene requirements (EN 1974:1998+A1:2009)
- zamijenjena s: HRN EN 1974:2021

HRN EN ISO 9902-6:2004 en

Tekstilni strojevi – Određivanje emisije buke – 6. dio: Strojevi za proizvodnju plošnih tekstila (ISO 9902-6:2001; EN ISO 9902-6:2001)
Textile machinery – Noise test code – Part 6: Fabric manufacturing machinery (ISO 9902-6:2001; EN ISO 9902-6:2001)
- zamijenjena s: HRN EN ISO 9902-6:2021

HRN EN ISO 9902-6:2004/A1:2009 en

Tekstilni strojevi – Određivanje emisije buke – 6. dio: Strojevi za proizvodnju plošnih tekstila (ISO 9902-6:2001/Amd 1:2009; EN ISO 9902-6:2001/A1:2009)
Textile machinery – Noise test code – Part 6: Fabric manufacturing machinery (ISO 9902-6:2001/Amd 1:2009; EN ISO 9902-6:2001/A1:2009)
- zamijenjena s: HRN EN ISO 9902-6:2021

HRN EN ISO 9902-6:2004/A2:2014 en

Tekstilni strojevi – Određivanje emisije buke – 6. dio: Strojevi za proizvodnju plošnih tekstila (ISO 9902-6:2001/Amd 2:2014; EN ISO 9902-6:2001/A2:2014)
Textile machinery – Noise test code – Part 6: Fabric manufacturing machinery (ISO 9902-6:2001/Amd 2:2014; EN ISO 9902-6:2001/A2:2014)
- zamijenjena s: HRN EN ISO 9902-6:2021

HRN EN 12463:2015 en

Strojevi za preradu hrane – Strojevi za punjenje i pomoćni strojevi – Sigurnosni i higijenski zahtjevi (EN 12463:2014)
Food processing machinery – Filling machines and auxiliary machines – Safety and hygiene requirements (EN 12463:2014)
- zamijenjena s: HRN EN 12463:2021

HZN/TO 572, Kruta oporabljena goriva

HRN EN 15440:2011 en

Kruta oporabljena goriva – Metode određivanja sadržaja biomase (EN 15440:2011)
Solid recovered fuels – Methods for the determination of biomass content (EN 15440:2011)
- zamijenjena s: HRN EN ISO 21644:2021

HRN EN 15440:2011/Ispr.1:2011 en

Kruta oporabljena goriva – Metode određivanja sadržaja biomase (EN 15440:2011/AC:2011)
Solid recovered fuels – Methods for the determination of biomass content (EN 15440:2011/AC:2011)
- zamijenjena s: HRN EN ISO 21644:2021

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

HRS CEN/TS 16555-1:2014 en

Upravljanje inovacijama – 1. dio: Sustav upravljanja inovacijama (CEN/TS 16555-1:2013)
Innovation Management – Part 1: Innovation Management System (CEN/TS 16555-1:2013)
- zamijenjena s: HRN EN ISO 56002:2021

HRN CEN/TS 16555-5:2015 en

Upravljanje inovacijama – 5. dio: Upravljanje suradnjama (CEN/TS 16555-5:2014)
Innovation management – Part 5: Collaboration management (CEN/TS 16555-5:2014)
- zamijenjena s: HRN EN ISO 56003:2021

HRS CEN/TS 16555-7:2015 en

Upravljanje inovacijama – 7. dio: Procjena upravljanja inovacijama (CEN/TS 16555-7:2015)
Innovation management – Part 7: Innovation Management Assessment (CEN/TS 16555-7:2015)
- zamijenjena s: HRI CEN ISO/TR 56004:2021

HRN ISO 18091:2014 en

Sustavi upravljanja kvalitetom – Smjernice za primjenu ISO 9001:2008 u lokalnoj upravi (ISO 18091:2014)
Quality management systems – Guidelines for the application of ISO 9001:2008 in local government (ISO 18091:2014)
- zamijenjena s: HRN ISO 18091:2021

HZN/TO E31, Eksplozivne atmosfere

HRN EN 60079-10-1:2009 en

Eksplozivne atmosfere – Dio 10-1: Klasifikacija ugroženih prostora – Eksplozivne atmosfere plinova (IEC 60079-10-1:2008; EN 60079-10-1:2009)
Explosive atmospheres – Part 10-1: Classification of areas – Explosive gas atmospheres (IEC 60079-10-1:2008; EN 60079-10-1:2009)
- zamijenjena s: HRN EN 60079-10-1:2016

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

HRN EN 14104:2005 en

Derivati masti i ulja – Metilni esteri masnih kiselina – Određivanje kiselinskog broja (EN 14104:2003)
Fat and oil derivatives – Fatty Acid Methyl Esters (FAME) – Determination of acid value (EN 14104:2003)
- zamijenjena s: HRN EN 14104:2021

HRN EN ISO 16474-3:2014 en

Boje i lakovi – Metode izlaganja izvorima svjetla u laboratoriju – 3. dio: Fluorescentne UV svjetiljke (ISO 16474-3:2013; EN ISO 16474-3:2013)
Paints and varnishes – Methods of exposure to laboratory light sources – Part 3: Fluorescent UV lamps (ISO 16474-3:2013; EN ISO 16474-3:2013)
- zamijenjena s: HRN EN ISO 16474-3:2021

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

HRN EN ISO 5840-1:2015 en

Kardiovaskularni implantati – Umjetni srčani zalisci – 1. dio: Opći zahtjevi (ISO 5840-1:2015; EN ISO 5840-1:2015)
Cardiovascular implants – Cardiac valve prostheses – Part 1: General requirements (ISO 5840-1:2015; EN ISO 5840-1:2015)
- zamijenjena s: HRN EN ISO 5840-1:2021

HRN EN ISO 5840-2:2015 en

Kardiovaskularni implantati – Umjetni srčani zalisci – 2. dio: Kirurški ugrađeni nadomjesci srčanog zaliska (ISO 5840-2:2015; EN ISO 5840-2:2015)
Cardiovascular implants – Cardiac valve prostheses – Part 2: Surgically implanted heart valve substitutes (ISO 5840-2:2015; EN ISO 5840-2:2015)
- zamijenjena s: HRN EN ISO 5840-2:2021

HRN EN ISO 5840-3:2013 en

Kardiovaskularni implantati – Umjetni srčani zalisci – 3. dio: Nadomjesci srčanog zaliska ugrađeni putem katetera (ISO 5840-3:2013; EN ISO 5840-3:2013)
Cardiovascular implants – Cardiac valve prostheses – Part 3: Heart valve substitutes implanted by transcatheter techniques (ISO 5840-3:2013; EN ISO 5840-3:2013)
- zamijenjena s: HRN EN ISO 5840-3:2021

1.6 Ispravci hrvatskih norma

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

HZN/TO 515, Žičare, uspinjače i vučnice

• umjesto

HRN EN 1909:2017

Sigurnosni zahtjevi za žičare za prijevoz osoba – **Spašavanje** i evakuacija (EN 1909:2017)
Safety requirements for cableway installations designed to carry persons – Recovery and evacuation (EN 1909:2017)

• treba biti

HRN EN 1909:2017

Sigurnosni zahtjevi za žičare za prijevoz osoba – **Uklanjanje** i evakuacija (EN 1909:2017)
Safety requirements for cableway installations designed to carry persons – Recovery and evacuation (EN 1909:2017)

• umjesto

HRN EN 12397:2017

Sigurnosni zahtjevi za žičare za prijevoz osoba – **Pogonske upute** (EN 12397:2017)
Safety requirements for cableway installations designed to carry persons – Operation (EN 12397:2017)

• treba biti

HRN EN 12397:2017

Sigurnosni zahtjevi za žičare za prijevoz osoba – **Upute za rad** (EN 12397:2017)
Safety requirements for cableway installations designed to carry persons – Operation (EN 12397:2017)

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

- **umjesto**

HRN EN ISO 16170:2016
Metode ispitivanja na licu mjesta za visoko učinkovite filtarske sustave u industrijskim postrojenjima (ISO 16170:2016; EN ISO 16170:2016)
In situ test methods for high efficiency filter systems in industrial facilities (ISO 16170:2016; EN ISO 16170:2016)

- **treba biti**

HRN EN ISO 16170:2016
Metode ispitivanja na licu mjesta za visoko učinkovite filtarske sustave u industrijskim postrojenjima (ISO 16170:2016, **ispravljena verzija 2017-04**; EN ISO 16170:2016)
In situ test methods for high efficiency filter systems in industrial facilities (ISO 16170:2016, **Corrected version 2017-04**; EN ISO 16170:2016)

HZN/TO 559, Zaporni, regulacijski i sigurnosni uređaji

- **umjesto**

HRN EN 12266-1:2012
Industrijski ventili – Ispitivanja ventila – 1. dio: **Tlačna ispitivanja**, postupci ispitivanja i kriteriji prihvatljivosti – **Uvjeti za ovlašćivanje** (EN 12266-1:2012)
Industrial valves – Testing of metallic valves – Part 1: Pressure tests, test procedures and acceptance criteria – Mandatory requirements (EN 12266-1:2012)

- **treba biti**

HRN EN 12266-1:2012
Industrijski ventili – Ispitivanje **metalnih** ventila – 1. dio: **Ispitivanja tlakom**, postupci ispitivanja i kriteriji prihvatljivosti – **Obvezni zahtjevi** (EN 12266-1:2012)
Industrial valves – Testing of metallic valves – Part 1: Pressure tests, test procedures and acceptance criteria – Mandatory requirements (EN 12266-1:2012)

- **umjesto**

HRN EN 12266-2:2012
Industrijski ventili – Ispitivanje ventila – 2. dio: Ispitivanja, postupci ispitivanja i kriteriji prihvatljivosti – **Dodatni zahtjevi** (EN 12266-2:2012)
Industrial valves – Testing of metallic valves – Part 2: Tests, test procedures and acceptance criteria – Supplementary requirements (EN 12266-2:2012)

- **treba biti**

HRN EN 12266-2:2012
Industrijski ventili – Ispitivanje **metalnih** ventila – 2. dio: Ispitivanja, postupci ispitivanja i kriteriji prihvatljivosti – **Dodatni zahtjevi** (EN 12266-2:2012)
Industrial valves – Testing of metallic valves – Part 2: Tests, test procedures and acceptance criteria – Supplementary requirements (EN 12266-2:2012)

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

- **umjesto**

HRN EN 17252:2020
Namirnice – Određivanje fomopsina A u sjemenkama vučike i proizvodima od vučike metodom LC-MS/MS (EN 17252:2020)
Foodstuffs – Determination of phomopsin A in lupin seeds and lupin derived products by LC-MS/MS (EN 17252:2020)

- **treba biti**

HRN EN 17252:2020
Hrana – Određivanje fomopsina A u sjemenkama vučike i proizvodima od vučike metodom LC-MS/MS (EN 17252:2020)
Foodstuffs – Determination of phomopsin A in lupin seeds and lupin derived products by LC-MS/MS (EN 17252:2020)

HZN/TU W1, Energetska elektrotehnika 1

- **umjesto**

HRN EN 62841-3-10:2015/A11:2018
Ručni elektromotorni alati, prijenosni alati i mehanizacija za travnjake i vrtove – Sigurnost – Dio 3-10: Posebni zahtjevi za prijenosne rezne alate (EN 62841-3-10:2015/A11:2017)
Electric motor-operated hand-held tools; transportable tools and lawn and garden machinery – Safety – Part 3-10: Particular requirements for transportable cut-off machines (EN 62841-3-10:2015/A11:2017)

- **treba biti**

HRN EN 62841-3-10:2016/A11:2018
Ručni elektromotorni alati, prijenosni alati i mehanizacija za travnjake i vrtove – Sigurnost – Dio 3-10: Posebni zahtjevi za prijenosne rezne alate (EN 62841-3-10:2015/A11:2017)
Electric motor-operated hand-held tools; transportable tools and lawn and garden machinery – Safety – Part 3-10: Particular requirements for transportable cut-off machines (EN 62841-3-10:2015/A11:2017)

1.10 Prijevodi hrvatskih normativnih dokumenata

HZN/TO 37, Terminologija

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

HRN EN ISO 17100:2015 hr-en pr-pp
Usluge pismenog prevođenja – Zahtjevi za usluge pismenog prevođenja (ISO 17100:2015; EN ISO 17100:2015)
Translation services – Requirements for translation services (ISO 17100:2015; EN ISO 17100:2015)

HRN EN ISO 17100:2015/A1:2017 hr-en pr-pp
Usluge pismenog prevođenja – Zahtjevi za usluge pismenog prevođenja (ISO 17100:2015/Amd 1:2017; EN ISO 17100:2015/A1:2017)
Translation services – Requirements for translation services (ISO 17100:2015/Amd 1:2017; EN ISO 17100:2015/A1:2017)

2 Rezultati međunarodne i europske normizacije

Europska normizacija (CEN)

Oznaka norme	Naslov norme	ICS	Datum objave
EN 71-2	Safety of toys – Part 2: Flammability	13.220.40; 97.200.50	2020-12
EN 71-4	Safety of toys – Part 4: Experimental sets for chemistry and related activities	97.200.50	2020-12
EN 113-1	Durability of wood and wood-based products – Test method against wood destroying basidiomycetes – Part 1: Assessment of biocidal efficacy of wood preservatives	71.100.50	2020-12
EN 113-2	Durability of wood and wood-based products – Test method against wood destroying basidiomycetes – Part 2: Assessment of inherent or enhanced durability	71.100.50	2020-12
EN 1130/AC	Children's furniture – Cribs – Safety requirements and test methods	97.140; 97.190	2020-12
EN 1329-1	Plastics piping systems for soil and waste discharge (low and high temperature) within the building structure – Unplasticized poly(vinyl chloride) (PVC-U) – Part 1: Specifications for pipes, fittings and the system	23.040.20; 91.140.80	2020-12
EN 1459-4	Rough-terrain trucks – Safety requirements and verification – Part 4: Additional requirements for variable-reach trucks handling freely suspended loads	53.060	2020-12
EN 1459-5	Rough-terrain trucks – Safety requirements and verification – Part 5: Attachment interface	53.060	2020-12
EN 1672-2	Food processing machinery – Basic concepts – Part 2: Hygiene and cleanability requirements	67.260	2020-12
EN 1673	Food processing machinery – Rotary rack ovens – Safety and hygiene requirements	67.260; 97.040.20	2020-12
EN 1804-1	Machines for underground mines – Safety requirements for hydraulic powered roof supports – Part 1: Support units and general requirements	73.100.10	2020-12
EN 1804-2	Machines for underground mines – Safety requirements for hydraulic powered roof supports – Part 2: Power set legs and rams	73.100.10	2020-12
EN 1804-3	Machines for underground mines – Safety requirements for hydraulic powered roof supports – Part 3: Hydraulic and electro hydraulic control systems	73.100.10	2020-12
EN 1837	Safety of machinery – Integral lighting of machines	13.110; 91.160.10	2020-12
EN 1993-1-4/A2	Eurocode 3 – Design of steel structures – Part 1-4: General rules – Supplementary rules for stainless steels	91.010.30; 91.080.13	2020-12
EN 2133	Aerospace series – Cadmium plating of steels with specified tensile strength ? 1450 MPa, copper, copper alloys and nickel alloys	49.040	2020-12
EN 4861	Aerospace series – Metrological assessment procedure for kinematic fields measured by digital image correlation	17.180.01; 49.025.01	2020-12
EN 4864	Aerospace series – Environmental testing – High dynamic abrasion, mar, scratch and punch test in cabin interior	49.025.01; 49.095	2020-12
EN 12385-3	Steel wire ropes – Safety – Part 3: Information for use and maintenance	77.140.65	2020-12
EN 12493	LPG equipment and accessories – Welded steel pressure vessels for LPG road tankers – Design and manufacture	23.020.30; 23.020.35	2020-12
EN 12604+A1	Industrial, commercial and garage doors and gates – Mechanical aspects – Requirements and test methods	91.060.50	2020-12
EN 13155	Crane – Safety – Non-fixed load lifting attachments	53.020.30	2020-12

Oznaka norme	Naslov norme	ICS	Datum objave
EN 13586	Cranes – Access	53.020.20	2020-12
EN 13953	LPG equipment and accessories – Pressure relief valves for transportable refillable cylinders for Liquefied Petroleum Gas (LPG)	23.060.40	2020-12
EN 14105	Fat and oil derivatives – Fatty Acid Methyl Esters (FAME) – Determination of free and total glycerol and mono-, di-, triglyceride contents	67.200.10	2020-12
EN 14972-1	Fixed firefighting systems – Water mist systems – Part 1: Design, installation, inspection and maintenance	13.220.20	2020-12
EN 15011	Cranes – Bridge and gantry cranes	53.020.20	2020-12
CEN/TR 15071	Safety of toys – National translations of warnings and instructions for use in the EN 71 series	97.200.50	2020-12
EN 15188	Determination of the spontaneous ignition behaviour of dust accumulations	13.230	2020-12
EN 15199-1	Petroleum products – Determination of boiling range distribution by gas chromatography method – Part 1: Middle distillates and lubricating base oils	75.080	2020-12
EN 15199-2	Petroleum products – Determination of boiling range distribution by gas chromatography method – Part 2: Heavy distillates and residual fuels	75.080	2020-12
EN 15199-3	Petroleum products – Determination of boiling range distribution by gas chromatography method – Part 3: Crude oil	75.080	2020-12
EN 15746-1	Railway applications – Track – Road-rail machines and associated equipment – Part 1: Technical requirements for travelling and working	93.100	2020-12
EN 15746-2	Railway applications – Track – Road-rail machines and associated equipment – Part 2: General safety requirements	93.100	2020-12
EN 15746-3	Railway applications – Track – Road-rail machines and associated equipment – Part 3: Technical requirements for running	93.100	2020-12
EN 15746-4	Railway applications – Track – Road-rail machines and associated equipment – Part 4: Technical requirements for running, travelling and working on urban rail	93.100	2020-12
CEN/TS 16010	Plastics – Recycled plastics – Sampling procedures for testing plastics waste and recyclates	13.030.50; 83.080.01	2020-12
CEN/TS 16800	Guideline for the validation of physico-chemical analytical methods	13.060.50	2020-12
EN 16851+A1	Cranes – Light crane systems	53.020.20	2020-12
EN 17076	Tower cranes – Anti-collision systems – Safety requirements	53.020.20	2020-12
EN 17289-1	Characterization of bulk materials – Determination of a size-weighted fine fraction and crystalline silica content – Part 1: General information and choice of test methods	13.040.30	2020-12
EN 17289-2	Characterization of bulk materials – Determination of a size-weighted fine fraction and crystalline silica content – Part 2: Calculation method	13.040.30	2020-12
EN 17289-3	Characterization of bulk materials – Determination of a size-weighted fine fraction and crystalline silica content – Part 3: Sedimentation method	13.040.30	2020-12
EN 17343	Railway applications – General terms and definitions	01.040.45; 45.060.01	2020-12
CEN/TS 17458	Ambient air – Methodology to assess the performance of receptor oriented source apportionment modelling applications for particulate matter	13.040.01	2020-12

Oznaka norme	Naslov norme	ICS	Datum objave
CEN/TR 17474	Cereals (wheat and barley) – Technical Report of the interlaboratory studies for the determination of moisture and protein in whole kernels by near infrared spectroscopy	67.060	2020-12
CEN/TR 17557	Surface active agents – Bio-based surfactants – Overview on bio-based surfactants	13.020.55; 71.100.40	2020-12
CLC/TR 45550	Definitions related to material efficiency	01.040.13; 13.020.20	2020-12
EN ISO 717-1	Acoustics – Rating of sound insulation in buildings and of building elements – Part 1: Airborne sound insulation (ISO 717-1:2020)	91.120.20	2020-12
EN ISO 717-2	Acoustics – Rating of sound insulation in buildings and of building elements – Part 2: Impact sound insulation (ISO 717-2:2020)	91.120.20	2020-12
EN ISO 1833-3	Textiles – Quantitative chemical analysis – Part 3: Mixtures of acetate with certain other fibres (method using acetone) (ISO 1833-3:2020)	59.060.01	2020-12
EN ISO 2922	Acoustics – Measurement of airborne sound emitted by vessels on inland waterways and harbours (ISO 2922:2020)	17.140.30	2020-12
EN ISO 4259-1/A2	Petroleum and related products – Precision of measurement methods and results – Part 1: Determination of precision data in relation to methods of test – AMENDMENT 2 (ISO 4259-1:2017/Amd 2:2020)	75.080	2020-12
EN ISO 6926/A1	Acoustics – Requirements for the performance and calibration of reference sound sources used for the determination of sound power levels – Amendment 1 (ISO 6926:2016/Amd 1:2020)	17.140.01	2020-12
EN ISO 7866/A1	Gas cylinders – Refillable seamless aluminium alloy gas cylinders – Design, construction and testing – Amendment 1 (ISO 7866:2012/Amd 1:2020)	23.020.35	2020-12
EN ISO 8559-1	Size designation of clothes – Part 1: Anthropometric definitions for body measurement (ISO 8559-1:2017)	61.020	2020-12
EN ISO 8559-2	Size designation of clothes – Part 2: Primary and secondary dimension indicators (ISO 8559-2:2017)	61.020	2020-12
EN ISO 10993-1	Biological evaluation of medical devices – Part 1: Evaluation and testing within a risk management process (ISO 10993-1:2018, including corrected version 2018-11)	11.100.20	2020-12
EN ISO 15841/A1	Dentistry – Wires for use in orthodontics – Amendment 1 (ISO 15841:2014/Amd 1:2020)	11.060.10	2020-12
EN ISO 15875-2/A2	Plastics piping systems for hot and cold water installations – Crosslinked polyethylene (PE-X) – Part 2: Pipes – Amendment 2 (ISO 15875-2:2003/Amd 2:2020)	23.040.20; 91.140.60	2020-12
EN ISO 15875-3/A1	Plastics piping systems for hot and cold water installations – Crosslinked polyethylene (PE-X) – Part 3: Fittings – Amendment 1 (ISO 15875-3:2003/Amd 1:2020)	23.040.45; 91.140.60	2020-12
EN ISO 15875-5/A1	Plastics piping systems for hot and cold water installations – Crosslinked polyethylene (PE-X) – Part 5: Fitness for purpose of the system – Amendment 1 (ISO 15875-5:2003/Amd 1:2020)	23.040.20; 91.140.60	2020-12
EN ISO 15876-2/A1	Plastics piping systems for hot and cold water installations – Polybutene (PB) – Part 2: Pipes – Amendment 1 (ISO 15876-2:2017/Amd 1:2020)	23.040.20; 91.140.60	2020-12
EN ISO 15876-3/A1	Plastics piping systems for hot and cold water installations – Polybutene (PB) – Part 3: Fittings – Amendment 1 (ISO 15876-3:2017/Amd 1:2020)	23.040.45; 91.140.60	2020-12

Oznaka norme	Naslov norme	ICS	Datum objave
EN ISO 15876-5/A1	Plastics piping systems for hot and cold water installations – Polybutene (PB) – Part 5: Fitness for purpose of the system – Amendment 1 (ISO 15876-5:2017/Amd 1:2020)	23.040.20; 91.140.60	2020-12
EN ISO 15877-2/A2	Plastics piping systems for hot and cold water installations – Chlorinated poly(vinyl chloride) (PVC-C) – Part 2: Pipes – Amendment 2 (ISO 15877-2:2009/Amd 2:2020)	23.040.01	2020-12
EN ISO 15877-5/A2	Plastics piping systems for hot and cold water installations – Chlorinated poly(vinyl chloride) (PVC-C) – Part 5: Fitness for purpose of the system – Amendment 2 (ISO 15877-5:2009/Amd 2:2020)	23.040.01	2020-12
EN ISO 16122-5	Agricultural and forestry machines – Inspection of sprayers in use – Part 5: Aerial spray systems (ISO 16122-5:2020)	13.020.99; 65.060.40	2020-12
EN ISO 18086	Corrosion of metals and alloys – Determination of AC corrosion – Protection criteria (ISO 18086:2019)	77.060	2020-12
EN ISO 19115-1/A2	Geographic information – Metadata – Part 1: Fundamentals – Amendment 2 (ISO 19115-1:2014/Amd 2:2020)	35.240.70	2020-12
EN ISO 20266	Paints and varnishes – Determination of image clarity (degree of sharpness of reflected or transmitted image) (ISO 20266:2018)	87.040	2020-12
EN ISO 20475	Gas cylinders – Cylinder bundles – Periodic inspection and testing (ISO 20475:2018)	23.020.35	2020-12
EN ISO 21545	Paints and varnishes – Determination of settling (ISO 21545:2018)	87.040	2020-12
EN ISO 21546	Paints and varnishes – Determination of the resistance to rubbing using a linear abrasion tester (crockmeter) (ISO 21546:2019)	87.040	2020-12
EN ISO 21637	Solid recovered fuels – Vocabulary (ISO 21637:2020)	01.040.75; 75.160.10	2020-12
EN ISO 21663	Solid recovered fuels – Methods for the determination of carbon (C), hydrogen (H), nitrogen (N) and sulphur (S) by the instrumental method (ISO 21663:2020)	75.160.10	2020-12
EN ISO 22043	Ice-cream freezers – Classification, requirements and test conditions (ISO 22043:2020)	97.130.20	2020-12
EN ISO 22391-2/A1	Plastics piping systems for hot and cold water installations – Polyethylene of raised temperature resistance (PE-RT) – Part 2: Pipes – Amendment 1 (ISO 22391-2:2009/Amd 1:2020)	23.040.20; 91.140.60	2020-12
EN ISO 22391-3/A1	Plastics piping systems for hot and cold water installations – Polyethylene of raised temperature resistance (PE-RT) – Part 3: Fittings – Amendment 1 (ISO 22391-3:2009/Amd 1:2020)	23.040.45; 91.140.60	2020-12
EN ISO 22391-5/A1	Plastics piping systems for hot and cold water installations – Polyethylene of raised temperature resistance (PE-RT) – Part 5: Fitness for purpose of the system – Amendment 1 (ISO 22391-5:2009/Amd 1:2020)	23.040.01; 91.140.60; 93.025	2020-12
EN ISO 22442-1	Medical devices utilizing animal tissues and their derivatives – Part 1: Application of risk management (ISO 22442-1:2020)	11.100.20	2020-12
EN ISO 22442-2	Medical devices utilizing animal tissues and their derivatives – Part 2: Controls on sourcing, collection and handling (ISO 22442-2:2020)	11.100.20	2020-12
EN ISO 22516	Paints and varnishes – Practical determination of non-volatile and volatile matter content during application (ISO 22516:2019)	87.040	2020-12

Oznaka norme	Naslov norme	ICS	Datum objave
EN ISO 22518	Paints and varnishes – Determination of solvents in water-thinnable coating materials – Gaschromatographic method (ISO 22518:2019)	87.040	2020-12
EN ISO 22553-1	Paints and varnishes – Electro-deposition coatings – Part 1: Vocabulary (ISO 22553-1:2019)	01.040.87; 87.040	2020-12
EN ISO 22553-2	Paints and varnishes – Electro-deposition coatings – Part 2: Throwing power (ISO 22553-2:2019)	87.040	2020-12
EN ISO 22553-3	Paints and varnishes – Electro-deposition coatings – Part 3: Compatibility of electro-deposition coating materials with a reference oil (ISO 22553-3:2019)	87.040	2020-12
EN ISO 22553-4	Paints and varnishes – Electro-deposition coatings – Part 4: Compatibility of electro-deposition coating materials with liquid, paste-like and solid foreign materials (ISO 22553-4:2019)	87.040	2020-12
EN ISO 22553-5	Paints and varnishes – Electro-deposition coatings – Part 5: Determination of sieve residue (ISO 22553-5:2019)	87.040	2020-12
EN ISO 22553-6	Paints and varnishes – Electro-deposition coatings – Part 6: Entry marks (ISO 22553-6:2019)	87.040	2020-12
EN ISO 22557	Paints and varnishes – Scratch test using a spring-loaded pen (ISO 22557:2019)	87.040	2020-12
EN ISO 22636	Adhesives – Adhesives for floor coverings – Requirements for mechanical and electrical performance (ISO 22636:2020)	83.180	2020-12
EN ISO 22969	Paints and varnishes – Determination of solar reflectance (ISO 22969:2019)	87.040	2020-12
EN ISO 22970	Paints and varnishes – Test method for evaluation of adhesion of elastic adhesives on coatings by peel test, peel strength test and tensile lap-shear strength test with additional stress by condensation test or cataplasma storage (ISO 22970:2019)	87.040	2020-12
EN ISO 23088	Gas cylinders – Periodic inspection and testing of welded steel pressure drums – Capacities up to 1000 l (ISO 23088:2020)	23.020.35	2020-12
EN ISO 23168	Paints and varnishes – Determination of water content – Gas-chromatographic method (ISO 23168:2019)	87.040	2020-12
EN ISO 23243	Non-destructive testing – Ultrasonic testing with arrays – Vocabulary (ISO 23243:2020)	01.040.19; 19.100	2020-12
EN ISO 23321	Solvents for paints and varnishes – Demineralized water for industrial applications – Specification and test methods (ISO 23321:2019)	87.040	2020-12
CEN ISO/TR 23383	Textiles and textile products – Smart (Intelligent) textiles – Definitions, categorisation, applications and standardization needs (ISO/TR 23383:2020)	01.040.59; 59.060.01	2020-12
EN ISO 27509	Petroleum and natural gas industries – Compact flanged connections with IX seal ring (ISO 27509:2020)	23.040.60	2020-12
CEN ISO/TS 80004-8	Nanotechnologies – Vocabulary – Part 8: Nanomanufacturing processes (ISO/TS 80004-8:2020)	01.040.07; 07.120	2020-12

Europska normizacija (CENELEC)

Oznaka norme	Naslov norme	ICS	Datum objave
EN 50632-2-6/A2	Electric motor-operated tools – Dust measurement procedure – Part 2-6: Particular requirements for hammers	13.040.40; 25.140.20	2020-12
CLC/TS 50703-2	Lightning Protection System Components (LPSC) – Part 2: Specific testing requirements for LPS components used in explosive atmospheres	91.120.40	2020-12
EN 50708-1-1/AC	Power transformers – Additional European requirements – Part 1-1: Common part – General requirements	29.180	2020-12
EN 50708-2-1/AC	Power transformers – Additional European requirements – Part 2-1: Medium power transformer – General requirements	29.180	2020-12
EN 55032/A1	Electromagnetic compatibility of multimedia equipment – Emission requirements (CISPR 32:2015/A1:2019)	33.100.10	2020-12
EN 60034-18-41/A1/AC	Rotating electrical machines – Part 18-41: Partial discharge free electrical insulation systems (Type I) used in electrical rotating machines fed from voltage converters – Qualification and quality control tests (IEC 60034-18-41:2014/A1:2019/COR1:2020)	29.080.30; 29.160.01	2020-12
CLC IEC/TS 60079-39/AC	Explosive atmospheres – Part 39: Intrinsically safe systems with electronically controlled spark duration limitation (IEC/TS 60079-39:2015/COR1:2020)	29.260.20	2020-12
EN IEC 60112	Method for the determination of the proof and the comparative tracking indices of solid insulating materials (IEC 60112:2020)	19.080; 29.035.01	2020-12
EN 60332-1-2/A12	Tests on electric and optical fibre cables under fire conditions – Part 1-2: Test for vertical flame propagation for a single insulated wire or cable – Procedure for 1 kW pre-mixed flame	13.220.40; 29.020; 29.060.20; 33.180.10	2020-12
EN IEC 60384-13	Fixed capacitors for use in electronic equipment – Part 13: Sectional specification – Fixed polypropylene film dielectric metal foil DC capacitors (IEC 60384-13:2020)	31.060.30	2020-12
EN IEC 60384-16/AC	Fixed capacitors for use in electronic equipment – Part 16: Sectional specification – Fixed metallized polypropylene film dielectric DC capacitors (IEC 60384-16:2019/COR1:2020)	31.060.30	2020-12
EN 60456/A11	Clothes washing machines for household use – Methods for measuring the performance	97.060	2020-12
EN IEC 60664-1/AC	Insulation coordination for equipment within low-voltage supply systems – Part 1: Principles, requirements and tests (IEC 60664-1:2020/COR1:2020)	29.080.30	2020-12
EN IEC 60704-2-1	Household and similar electrical appliances – Test code for the determination of airborne acoustical noise – Part 2-1: Particular requirements for dry vacuum cleaners (IEC 60704-2-1:2020)	17.140.20; 97.080	2020-12
EN IEC 60704-2-17	Household and similar electrical appliances – Test code for the determination of airborne acoustical noise – Part 2-17: Particular requirements for dry-cleaning robots (IEC 60704-2-17:2020)	17.140.20; 97.080	2020-12
EN IEC 61228	Fluorescent ultraviolet lamps used for tanning – Measurement and specification method (IEC 61228:2020)	17.240; 29.140.01; 29.140.30; 97.170	2020-12
EN IEC 61400-6/AC	Wind energy generation systems – Part 6: Tower and foundation design requirements (IEC 61400-6:2020/COR1:2020)	27.180	2020-12

Oznaka norme	Naslov norme	ICS	Datum objave
EN IEC 61803	Determination of power losses in high-voltage direct current (HVDC) converter stations with line-commutated converters (IEC 61803:2020)	29.200	2020-12
EN IEC 61810-4	Electromechanical elementary relays – Part 4: General and safety requirements for reed relays (IEC 61810-4:2020)	29.120.70	2020-12
EN 61850-4/A1	Communication networks and systems for power utility automation – Part 4: System and project management (IEC 61850-4:2011/A1:2020)	33.040.40; 33.200	2020-12
EN IEC 62351-6	Power systems management and associated information exchange – Data and communications security – Part 6: Security for IEC 61850 (IEC 62351-6:2020)	33.200; 35.030; 35.240.50	2020-12
EN IEC 62512	Electric clothes washer-dryers for household use – Methods for measuring the performance (IEC 62512:2012, modified)	97.060	2020-12
EN IEC 62512/A11	Electric clothes washer-dryers for household use – Methods for measuring the performance	97.060	2020-12
EN IEC 62714-4/AC	Engineering data exchange format for use in industrial automation systems engineering – Automation markup language – Part 4: Logic (IEC 62714-4:2020/COR1:2020)	25.040.40; 35.060; 35.240.50	2020-12
EN IEC 62832-1	Industrial-process measurement, control and automation – Digital factory framework – Part 1: General principles (IEC 62832-1:2020)	25.040.40; 35.240.50	2020-12
EN IEC 62832-2	Industrial-process measurement, control and automation – Digital factory framework – Part 2: Model elements (IEC 62832-2:2020)	25.040.40; 35.240.50	2020-12
EN IEC 62832-3	Industrial-process measurement, control and automation – Digital factory framework – Part 3: Application of Digital Factory for life cycle management of production systems (IEC 62832-3:2020)	25.040.40; 35.240.50	2020-12
EN IEC 63073-1	Dedicated radionuclide imaging devices – Characteristics and test conditions – Part 1: Cardiac SPECT (IEC 63073-1:2020)	11.040.50	2020-12

Europska normizacija (ETSI)

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 102226 V 14.0.0	Smart Cards – Remote APDU structure for UICC based applications (Release 14)	35.240.15	2020-12
ETSI TS 102226 V 15.0.0	Smart Cards – Remote APDU structure for UICC based applications (Release 15)	35.240.15	2020-12
ETSI TS 102226 V 16.0.1	Smart Cards – Remote APDU structure for UICC based applications (Release 16)	35.240.15	2020-12
ETSI TS 103465 V 16.2.1	Smart Cards – Smart Secure Platform (SSP) – Requirements Specification (Release 16)	35.240.15	2020-12
ETSI TS 103523-1 V 1.1.1	CYBER – Middlebox Security Protocol – Part 1: MSP Framework and Template Requirements	33.040.99; 35.030	2020-12
ETSI TS 103672 V 1.1.1	Rail Telecommunications (RT) – Global System for Mobile communications (GSM) – Usage of Session Initiation Protocol with ISUP encapsulation (SIP-I) and other IP based protocols for interconnection of GSM-R networks	33.070.50	2020-12
ETSI TS 103752-1 V 1.1.1	Digital Video Broadcasting (DVB) – Dynamic substitution of content in linear broadcast – Part 1: Carriage and signalling of placement opportunity information in DVB Transport Streams	33.170	2020-12
ETSI TR 103752-2 V 1.1.1	Digital Video Broadcasting (DVB) – Dynamic substitution of content in linear broadcast – Part 2: Interfacing to an advert decisioning service and optimal preparation of media	33.170	2020-12
ETSI TS 103786 V 1.1.1	Environmental Engineering (EE) – Measurement method for energy efficiency of wireless access network equipment – Dynamic energy performance measurement method of 5G Base Station (BS)	33.040.01	2020-12
ETSI TR 103803 V 1.1.1	Technical report on LTE OTA requirement derivation from MSG TFES ad hoc working group on LTE OTA	33.060.20; 33.070.99	2020-12
ETSI TS 118114 V 2.0.1	oneM2M – LWM2M Interworking (oneM2M TS-0014 version 2.0.1 Release 2A)	33.200	2020-12
ETSI TS 126445 V 12.14.1	Universal Mobile Telecommunications System (UMTS) – LTE – Codec for Enhanced Voice Services (EVS) – Detailed algorithmic description (3GPP TS 26.445 version 12.14.1 Release 12)	33.070.50	2020-12
ETSI TS 126445 V 13.9.1	Universal Mobile Telecommunications System (UMTS) – LTE – Codec for Enhanced Voice Services (EVS) – Detailed algorithmic description (3GPP TS 26.445 version 13.9.1 Release 13)	33.070.50	2020-12
ETSI TS 126445 V 14.5.1	Universal Mobile Telecommunications System (UMTS) – LTE – Codec for Enhanced Voice Services (EVS) – Detailed algorithmic description (3GPP TS 26.445 version 14.5.1 Release 14)	33.070.50	2020-12
ETSI TS 126445 V 15.3.2	Universal Mobile Telecommunications System (UMTS) – LTE – Codec for Enhanced Voice Services (EVS) – Detailed algorithmic description (3GPP TS 26.445 version 15.3.2 Release 15)	33.070.50	2020-12
ETSI TS 126445 V 16.1.1	Universal Mobile Telecommunications System (UMTS) – LTE – Codec for Enhanced Voice Services (EVS) – Detailed algorithmic description (3GPP TS 26.445 version 16.1.1 Release 16)	33.070.50	2020-12
ETSI TS 136101 V 14.16.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – User Equipment (UE) radio transmission and reception (3GPP TS 36.101 version 14.16.0 Release 14)	33.070.50; 33.070.99	2020-12
ETSI TS 136101 V 15.12.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – User Equipment (UE) radio transmission and reception (3GPP TS 36.101 version 15.12.0 Release 15)	33.070.50; 33.070.99	2020-12

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 136101 V 16.7.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – User Equipment (UE) radio transmission and reception (3GPP TS 36.101 version 16.7.0 Release 16)	33.070.50; 33.070.99	2020-12
ETSI TS 136133 V 13.20.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Requirements for support of radio resource management (3GPP TS 36.133 version 13.20.0 Release 13)	33.070.50; 33.070.99	2020-12
ETSI TS 136133 V 14.16.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Requirements for support of radio resource management (3GPP TS 36.133 version 14.16.0 Release 14)	33.070.50; 33.070.99	2020-12
ETSI TS 136133 V 15.11.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Requirements for support of radio resource management (3GPP TS 36.133 version 15.11.0 Release 15)	33.070.50; 33.070.99	2020-12
ETSI TS 136133 V 16.7.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Requirements for support of radio resource management (3GPP TS 36.133 version 16.7.0 Release 16)	33.070.50; 33.070.99	2020-12
ETSI TS 136521-1 V 16.6.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – User Equipment (UE) conformance specification – Radio transmission and reception – Part 1: Conformance testing (3GPP TS 36.521-1 version 16.6.0 Release 16)	33.070.50	2020-12
ETSI TS 138133 V 15.11.0	5G – NR – Requirements for support of radio resource management (3GPP TS 38.133 version 15.11.0 Release 15)	33.070.99	2020-12
ETSI TS 138133 V 16.5.0	5G – NR – Requirements for support of radio resource management (3GPP TS 38.133 version 16.5.0 Release 16)	33.070.99	2020-12
ETSI TS 138508-1 V 16.5.1	5G – 5GS – User Equipment (UE) conformance specification – Part 1: Common test environment (3GPP TS 38.508-1 version 16.5.1 Release 16)	33.070.99	2020-12
ETSI TS 138521-1 V 16.5.0	5G – NR – User Equipment (UE) conformance specification – Radio transmission and reception – Part 1: Range 1 standalone (3GPP TS 38.521-1 version 16.5.0 Release 16)	33.070.99	2020-12
ETSI TS 138533 V 16.5.0	5G – NR – User Equipment (UE) conformance specification – Radio Resource Management (RRM) (3GPP TS 38.533 version 16.5.0 Release 16)	33.070.99	2020-12
ETSI GS ENI 002 V 3.1.1	Experiential Networked Intelligence (ENI) – ENI requirements	35.080	2020-12
ETSI GR F5G 001 V 1.1.1	Fifth Generation Fixed Network (F5G) – F5G Generation Definition Release #1	33.070.99	2020-12
ETSI GR SAI 004 V 1.1.1	Securing Artificial Intelligence (SAI) – Problem Statement	35.030; 35.240.01	2020-12
ETSI GS MEC 003 V 2.2.1	Multi-access Edge Computing (MEC) – Framework and Reference Architecture	33.070.99	2020-12
ETSI GS MEC 011 V 2.2.1	Multi-access Edge Computing (MEC) – Edge Platform Application Enablement	33.070.99	2020-12
ETSI GS NFV-SOL 010 V 3.3.1	Network Functions Virtualisation (NFV) Release 3 – Protocols and Data Models – VNF Snapshot Package specification	35.110	2020-12
ETSI GS NFV-SOL 015 V 1.2.1	Network Functions Virtualisation (NFV) – Protocols and Data Models – Specification of Patterns and Conventions for RESTful NFV-MANO APIs	35.110	2020-12
ETSI GS NFV-TST 009 V 3.4.1	Network Functions Virtualisation (NFV) Release 3 – Testing – Specification of Networking Benchmarks and Measurement Methods for NFVI	35.110	2020-12
EN 301925 V 1.6.1	Radiotelephone transmitters and receivers for the maritime mobile service operating in VHF bands – Technical characteristics and methods of measurement	33.060.20; 47.020.70	2020-12

Međunarodna normizacija (ISO)

Oznaka norme	Naslov norme	ICS	Datum objave
ISO 717-1	Acoustics – Rating of sound insulation in buildings and of building elements – Part 1: Airborne sound insulation	91.120.20	2020-12
ISO 717-2	Acoustics – Rating of sound insulation in buildings and of building elements – Part 2: Impact sound insulation	91.120.20	2020-12
ISO 1833-22	Textiles – Quantitative chemical analysis – Part 22: Mixtures of viscose or certain types of cupro or modal or lyocell with flax fibres (method using formic acid and zinc chloride)	59.060.01	2020-12
ISO 2922	Acoustics – Measurement of airborne sound emitted by vessels on inland waterways and harbours	17.140.30	2020-12
ISO 3353-1	Aerospace – Lead and runout threads – Part 1: Rolled external threads	49.030.10	2020-12
ISO 3353-2	Aerospace – Lead and runout threads – Part 2: Internal threads	49.030.10	2020-12
ISO 4259-1 AMD 2	Petroleum and related products – Precision of measurement methods and results – Part 1: Determination of precision data in relation to methods of test; Amendment 2	75.080	2020-12
ISO/TR 4804	Road vehicles – Safety and cybersecurity for automated driving systems – Design, verification and validation	43.020	2020-12
ISO 5667-1	Water quality – Sampling – Part 1: Guidance on the design of sampling programmes and sampling techniques	13.060.45	2020-12
ISO 6142-1 AMD 1	Gas analysis – Preparation of calibration gas mixtures – Part 1: Gravimetric method for Class I mixtures – Amendment 1: Corrections to formulae in Annex E and Annex G	71.040.40	2020-12
ISO 6306	Chemical analysis of steel – Order of listing elements in steel standards	77.080.20	2020-12
ISO 7866 AMD 1	Gas cylinders – Refillable seamless aluminium alloy gas cylinders – Design, construction and testing; Amendment 1	23.020.35	2020-12
ISO 8099-2	Small craft – Waste systems – Part 2: Sewage treatment systems	47.080	2020-12
ISO 8820-10	Road vehicles – Fuse-links – Part 10: Fuse-links with tabs Type L (high current miniature)	43.040.10	2020-12
ISO 8848	Small craft – Remote mechanical steering systems	47.080	2020-12
ISO 8849	Small craft – Electrically operated bilge pumps	47.080	2020-12
ISO 9093	Small craft – Seacocks and through-hull fittings	47.080	2020-12
ISO 9241-971	Ergonomics of human-system interaction – Part 971: Accessibility of tactile/haptic interactive systems	13.180; 35.180	2020-12
ISO 10093	Plastics – Fire tests – Standard ignition sources	13.220.40; 83.080.01	2020-12
ISO 10845-1	Construction procurement – Part 1: Processes, methods and procedures	91.010.20	2020-12
ISO 10845-2	Construction procurement – Part 2: Formatting and compilation of procurement documentation	91.010.20	2020-12
ISO 12231-1	Photography – Electronic still picture imaging terminology – Part 1: Supplemental vocabulary	01.040.37; 37.040.10	2020-12
ISO 12742	Copper, lead and zinc sulfide concentrates – Determination of transportable moisture limits – Flow-table method	73.060.99	2020-12

Oznaka norme	Naslov norme	ICS	Datum objave
ISO 12963 AMD 1	Gas analysis – Comparison methods for the determination of the composition of gas mixtures based on one- and two-point calibration – Amendment 1: Correction to Formula 5	71.040.40	2020-12
ISO 13297	Small craft – Electrical systems – Alternating and direct current installations	47.080	2020-12
ISO 14009	Environmental management systems – Guidelines for incorporating material circulation in design and development	03.100.70; 13.020.10	2020-12
ISO 14065	General principles and requirements for bodies validating and verifying environmental information	13.020.40	2020-12
ISO 14404-4	Calculation method of carbon dioxide emission intensity from iron and steel production – Part 4: Guidance for using the ISO 14404 series	13.020.40; 77.080.01	2020-12
ISO/TS 15311-1	Graphic technology – Requirements for printed matter for commercial and industrial production – Part 1: Measurement methods and reporting schema	37.100.01	2020-12
ISO 15875-3 AMD 1	Plastics piping systems for hot and cold water installations – Crosslinked polyethylene (PE-X) – Part 3: Fittings; Amendment 1	23.040.45; 91.140.60	2020-12
ISO 15875-5 AMD 1	Plastics piping systems for hot and cold water installations – Crosslinked polyethylene (PE-X) – Part 5: Fitness for purpose of the system; Amendment 1	23.040.20; 91.140.60	2020-12
ISO 15876-2 AMD 1	Plastics piping systems for hot and cold water installations – Polybutene (PB) – Part 2: Pipes; Amendment 1	23.040.20; 91.140.60	2020-12
ISO 15876-3 AMD 1	Plastics piping systems for hot and cold water installations – Polybutene (PB) – Part 3: Fittings; Amendment 1	23.040.45; 91.140.60	2020-12
ISO 15876-5 AMD 1	Plastics piping systems for hot and cold water installations – Polybutene (PB) – Part 5: Fitness for purpose of the system; Amendment 1	23.040.20; 91.140.60	2020-12
ISO 15877-2 AMD 2	Plastics piping systems for hot and cold water installations – Chlorinated poly(vinyl chloride) (PVC-C) – Part 2: Pipes; Amendment 2	23.040.20; 91.140.60	2020-12
ISO 16147	Small craft – Inboard diesel engines – Engine-mounted fuel, oil and electrical components	47.080	2020-12
ISO/TS 18621-31	Graphic technology – Image quality evaluation methods for printed matter – Part 31: Evaluation of the perceived resolution of printing systems with the Contrast-Resolution chart	37.100.10	2020-12
ISO 19332	Essential oil of matricaria [Matricaria chamomilla L. syn. Chamomilla recutita (L.) Rauschert]	71.100.60	2020-12
ISO 19986	Lasers and laser-related equipment – Test method for angle resolved scattering	31.260	2020-12
ISO/TS 20049-2	Solid biofuels – Determination of self-heating of pelletized biofuels – Part 2: Basket heating tests	27.190; 75.160.40	2020-12
ISO 20304-1	Fine bubble technology – Water treatment applications – Part 1: Test method for evaluating ozone fine bubble water generating systems by the decolorization of methylene blue	07.030	2020-12
ISO 20530-1	Intelligent transport systems – Information for emergency service support via personal ITS station – Part 1: General requirements and technical definition	03.220.01; 35.240.60	2020-12
ISO 20947-2	Performance evaluation protocol for digital fitting systems – Part 2: Virtual garment	61.020	2020-12

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ISO 21217	Intelligent transport systems – Station and communication architecture	03.220.01; 35.240.60	2020-12
ISO 21436	Pulps – Determination of lignin content – Acid hydrolysis method	85.040	2020-12
ISO 21437	Pulps – Determination of carbohydrate composition	85.040	2020-12
ISO 21502	Project, programme and portfolio management – Guidance on project management	03.100.40	2020-12
ISO 21573-2	Building construction machinery and equipment – Concrete pumps – Part 2: Procedure for examination of technical parameters	91.220	2020-12
ISO 21626-1	Bamboo charcoal – Part 1: Generalities	27.190; 75.160.40	2020-12
ISO 21626-2	Bamboo charcoal – Part 2: Fuel applications	27.190; 75.160.40	2020-12
ISO 21626-3	Bamboo charcoal – Part 3: Purification applications	13.040.20; 75.160.40	2020-12
ISO 21637	Solid recovered fuels – Vocabulary	01.040.75; 75.160.10	2020-12
ISO 21757-1	Document management – ECMAScript for PDF – Part 1: Use of ISO 32000-2 (PDF 2.0)	35.240.30	2020-12
ISO 21765	Textiles – Determination of fabric deformability by forced mechanical distension	59.080.30	2020-12
ISO 21998	Interpreting services – Healthcare interpreting – Requirements and recommendations	01.020; 11.020.99	2020-12
ISO 22391-3 AMD 1	Plastics piping systems for hot and cold water installations – Polyethylene of raised temperature resistance (PE-RT) – Part 3: Fittings; Amendment 1	23.040.45; 91.140.60; 93.025	2020-12
ISO 22391-5 AMD 1	Plastics piping systems for hot and cold water installations – Polyethylene of raised temperature resistance (PE-RT) – Part 5: Fitness for purpose of the system; Amendment 1	23.040.01; 91.140.60; 93.025	2020-12
ISO 22514-3	Statistical methods in process management – Capability and performance – Part 3: Machine performance studies for measured data on discrete parts	03.120.30	2020-12
ISO 22525	Tourism and related services – Medical tourism – Service requirements	03.080.30; 03.200.01	2020-12
ISO 22838	Composites and reinforcements fibres – Determination of the fracture energy of bonded plates of carbon fibre reinforced plastics (CFRPs) and metal using double cantilever beam specimens	83.120	2020-12
ISO 22948	Carbon footprint for seafood – Product category rules (CFP-PCR) for finfish	67.120.30	2020-12
ISO/TS 23030	Traditional Chinese medicine – Clinical document specification for prescription of traditional Chinese medicine decoction pieces	11.120.10	2020-12
ISO 23070	Water Reuse in Urban Areas – Guidelines for reclaimed water treatment: Design principles of a RO treatment system of municipal wastewater	13.060.01	2020-12
ISO 23123	Corrosion control engineering life cycle – General requirements	77.060	2020-12
ISO 23222	Corrosion control engineering life cycle – Risk assessment	77.060	2020-12
ISO 23411	Small craft – Steering wheels	47.080	2020-12
ISO/TR 23576	Blockchain and distributed ledger technologies – Security management of digital asset custodians	35.030; 35.240.40; 35.240.99	2020-12
ISO 23590	Household biogas system requirements: design, installation, operation, maintenance and safety	27.190	2020-12
ISO 23825	Method for evaluating the nodularity of spheroidal carbides – Steels for cold heading and cold extruding	77.140.10	2020-12

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ISO 24041	Ships and marine technology – Shark jaws and towing pins	47.020.50	2020-12
ISO 24220	Pao cai (salted fermented vegetables) – Specification and test methods	67.080.20	2020-12
ISO 24617-2	Language resource management – Semantic annotation framework (SemAF) – Part 2: Dialogue acts	01.020	2020-12
ISO 25377	Hydrometric uncertainty guidance (HUG)	17.120.20	2020-12
ISO 27509	Petroleum and natural gas industries – Compact flanged connections with IX seal ring	23.040.60	2020-12
ISO 31110	Wheeled child conveyances – Pushchairs and prams – Requirements and test methods	97.190	2020-12
ISO 32000-2	Document management – Portable document format – Part 2: PDF 2.0	35.240.30; 37.100.99	2020-12
ISO/PAS 45005	Occupational health and safety management – General guidelines for safe working during the COVID-19 pandemic	13.100	2020-12

Međunarodna normizacija (IEC)

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IEC 60034-18-41 AMD 1 Corrigendum 1	Rotating electrical machines – Part 18-41: Partial discharge free electrical insulation systems (Type I) used in rotating electrical machines fed from voltage converters – Qualification and quality control tests; Amendment 1; Corrigendum 1	29.080.30; 29.160.01	2020-12
IEC 60050-112 AMD 2	International Electrotechnical Vocabulary (IEV) – Part 112: Quantities and units; Amendment 2	01.040.01; 01.040.29; 01.060; 29.020	2020-12
IEC 60050-113 AMD 4	International Electrotechnical Vocabulary (IEV) – Part 113: Physics for electrotechnology; Amendment 4	01.040.07; 01.040.29; 07.030; 29.020	2020-12
IEC 60050-845	International electrotechnical vocabulary (IEV) – Part 845: Lighting	01.040.01; 01.040.29; 01.040.91; 29.020; 91.160.01	2020-12
IEC 60079-10-1	Explosive atmospheres – Part 10-1: Classification of areas – Explosive gas atmospheres	29.260.20	2020-12
IEC/TR 60269-5 AMD 1	Low-voltage fuses – Part 5: Guidance for the application of low-voltage fuses; Amendment 1	29.120.50	2020-12
IEC/TR 60269-5 Edition 2.1	Low-voltage fuses – Part 5: Guidance for the application of low-voltage fuses	29.120.50	2020-12
IEC 60336	Medical electrical equipment – X-ray tube assemblies for medical diagnosis – Focal spot dimensions and related characteristics	11.040.50	2020-12
IEC 60352-7	Solderless connections – Part 7: Spring clamp connections – General requirements, test methods and practical guidance	31.220.10	2020-12
IEC 60364-5-53 AMD 1	Low-voltage electrical installations – Part 5-53: Selection and erection of electrical equipment – Devices for protection for safety, isolation, switching, control and monitoring; Amendment 1	29.130.01; 91.140.50	2020-12
IEC 60364-5-53 Edition 4.1	Low-voltage electrical installations – Part 5-53: Selection and erection of electrical equipment – Devices for protection for safety, isolation, switching, control and monitoring	29.130.01; 91.140.50	2020-12
IEC 60384-16 Corrigendum 1	Fixed capacitors for use in electronic equipment – Part 16: Sectional specification – Fixed metallized polypropylene film dielectric DC capacitors; Corrigendum 1	31.060.30	2020-12
IEC 60384-17 Corrigendum 1	Fixed capacitors for use in electronic equipment – Part 17: Sectional specification – Fixed metallized polypropylene film dielectric AC and pulse capacitors; Corrigendum 1	31.060.30	2020-12
IEC 60522-1	Medical electrical equipment – Diagnostic X-rays – Part 1: Determination of quality equivalent filtration and permanent filtration	11.040.50	2020-12
IEC 60675-2	Household electric direct-acting room heaters – Methods for measuring performance – Part 2: Additional provisions for the measurement of the radiant factor	97.100.10	2020-12
IEC 60675-3	Household electric direct-acting room heaters – Methods for measuring performance – Part 3: Additional provisions for the measurement of radiation efficiency	97.100.10	2020-12
IEC 60947-6-2	Low-voltage switchgear and controlgear – Part 6-2: Multiple function equipment – Control and protective switching devices (or equipment) (CPS)	29.130.20	2020-12
IEC 61300-3-30	Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 3-30: Examinations and measurements – Endface geometry of rectangular ferrule	33.180.20	2020-12

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IEC 61300-3-53	Fibre optic interconnecting devices and passive components – Basic test and measurement procedures Part 3-53: Examinations and measurements – Encircled angular flux (EAF) measurement method based on two-dimensional far field data from multimode waveguide (including fibre)	33.180.20	2020-12
IEC 61828	Ultrasonics – Transducers – Definitions and measurement methods regarding focusing for the transmitted fields	11.040.55; 11.040.60; 17.140.50	2020-12
IEC 61851-25	Electric vehicle conductive charging system – Part 25: DC EV supply equipment where protection relies on electrical separation	43.120	2020-12
IEC/TR 61858-3	Electrical insulation systems – Thermal evaluation of modifications to an established electrical insulation system (EIS) – Part 3: Clarification of electrical insulating materials (EIMs) and auxiliary materials	29.080.30	2020-12
IEC 62435-7	Electronic components – Long-term storage of electronic semiconductor devices – Part 7: Micro-electromechanical devices	31.020; 31.200	2020-12
IEC 62474 AMD 1	Material declaration for products of and for the electrotechnical industry; Amendment 1	01.110; 13.020.01; 13.020.30; 29.020	2020-12
IEC 62474 Edition 2.1	Material declaration for products of and for the electrotechnical industry	01.110; 13.020.01; 13.020.30; 29.020	2020-12
IEC 62899-202-6	Printed electronics – Part 202-6: Materials – Conductive ink – Measurement method for resistance changes under high temperature and humidity – Printed conductive layer on a flexible substrate	31.180; 87.080	2020-12
IEC 63138-2	Multi-channel radio-frequency connectors – Part 2: Sectional specification for MQ4 series circular connectors	33.120.30	2020-12
IEC 63185	Measurement of the complex permittivity for low-loss dielectric substrates balanced-type circular disk resonator method	17.220.20; 33.120.30	2020-12
IEC/PAS 63325	Lifecycle requirements for functional safety and security for IACS	25.040.40; 35.040.40	2020-12
ISO/IEC 5230	Information technology – OpenChain Specification	35.020	2020-12
ISO/IEC 9594-11	Information technology – Open systems interconnection directory – Part 11: Protocol specifications for secure operations	35.100.70	2020-12
ISO/IEC TR 10036	Information technology – Font information interchange – Registered glyph identifiers	35.240.30	2020-12
ISO/IEC 10646	Information technology – Universal coded character set (UCS)	35.040.10	2020-12
ISO/IEC 14496-10	Information technology – Coding of audio-visual objects – Part 10: Advanced video coding	35.040.40	2020-12
ISO/IEC 14496-12	Information technology – Coding of audio-visual objects – Part 12: ISO base media file format	35.040.40	2020-12
ISO/IEC 14496-15 AMD 1	Information technology – Coding of audio-visual objects – Part 15: Carriage of network abstraction layer (NAL) unit structured video in the ISO base media file format – Amendment 1: Improved support for tiling and layering	35.040.40	2020-12
ISO/IEC 14651	Information technology – International string ordering and comparison – Method for comparing character strings and description of the common template tailorable ordering	35.040.10	2020-12
ISO/IEC 14882	Programming languages – C++	35.060	2020-12
ISO/IEC 18032	Information security – Prime number generation	35.030	2020-12

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ISO/IEC 20897-1	Information security, cybersecurity and privacy protection – Physically unclonable functions – Part 1: Security requirements	35.030	2020-12
ISO/IEC TR 23008-13	Information technology – High efficiency coding and media delivery in heterogeneous environments – Part 13: MMT implementation guidance	35.040.40	2020-12
ISO/IEC 23090-8	Information technology – Coded representation of immersive media – Part 8: Network based media processing	35.040.40	2020-12
ISO/IEC 23531	Systems and software engineering – Capabilities of issue management tools	35.080	2020-12
ISO/IEC 27014	Information security, cybersecurity and privacy protection – Governance of information security	35.030	2020-12
ISO/IEC TS 27100	Information technology – Cybersecurity – Overview and concepts	35.030	2020-12
ISO/IEC 29158	Information technology – Automatic identification and data capture techniques – Direct Part Mark (DPM) Quality Guideline	35.040.50	2020-12
ISO/IEC 29160	Information technology – Radio frequency identification for item management – RFID Emblem	35.040.50	2020-12
ISO/IEC 30141 Technical Corrigendum 1	Internet of Things (IoT) – Reference Architecture; Technical Corrigendum 1	35.020	2020-12
ISO/IEC TR 63306-1	Smart manufacturing standards map (SM2) – Part 1: Framework	01.040.25; 25.040.01; 25.060.01	2020-12