

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 6, *Papir, karton i pulpe*

HRN EN ISO 638-1:2022 en pr
Papir, karton, pulpa i celulozni nanomaterijali – Određivanje udjela suhe tvari metodom sušenja u pećnici – 1. dio: Materijali u krutom obliku (ISO 638-1:2022; EN ISO 638-1:2022)
Paper, board, pulps and cellulosic nanomaterials – Determination of dry matter content by oven-drying method – Part 1: Materials in solid form (ISO 638-1:2022; EN ISO 638-1:2022)

HZN/TO 21, *Protupožarna i vatrogasna oprema*

HRN EN 12101-6:2022 en pr
Sustavi za upravljanje dimom i toplinom – 6. dio: Specifikacija sustava diferencijalnog tlaka – Paketi (EN 12101-6:2022)
Smoke and heat control systems – Part 6: Specification for pressure differential systems – Kits (EN 12101-6:2022)

HRN EN 12101-13:2022 en pr
Sustavi za upravljanje dimom i toplinom – 13. dio: Sustavi diferencijalnog tlaka (SDT) – Zaštita od dima nadtlakom – Projektiranje i metode proračuna, ugradnja, primopredajno ispitivanje, redovno ispitivanje i održavanje (EN 12101-13:2022)
Smoke and heat control systems – Part 13: Pressure differential systems (PDS) – Design and calculation methods, installation, acceptance testing, routine testing and maintenance (EN 12101-13:2022)

HRN EN 14972-10:2022 en pr
Stabilni protupožarni sustavi – Sustavi vodene magle – 10. dio: Protokol ispitivanja za sustave otvorenih mlaznica pri zaštiti atrija bočnim mlaznicama (EN 14972-10:2022)
Fixed firefighting systems – Water mist systems – Part 10: Test protocol for atrium protection with sidewall nozzles for open nozzle systems (EN 14972-10:2022)

HZN/TO 44, *Zavarivanje i srodni postupci*

HRN EN ISO 9016:2022 en pr
Razorna ispitivanja zavora na metalnim materijalima – Ispitivanje udarnoga rada loma – Položaj ispitnog uzorka, položaj zarezova i ispitivanje (ISO 9016:2022; EN ISO 9016:2022)
Destructive tests on welds in metallic materials – Impact tests – Test specimen location, notch orientation and examination (ISO 9016:2022; EN ISO 9016:2022)

HZN/TO 82, *Rudarstvo*

HRN EN ISO 23875:2022 en pr
Rudarstvo – Sustavi nadzora nad kvalitetom zraka u kabinama za rukovatelje – Izvedbeni zahtjevi i metode ispitivanja (ISO 23875:2021; EN ISO 23875:2022)
Mining – Air quality control systems for operator enclosures – Performance requirements and test methods (ISO 23875:2021; EN ISO 23875:2022)

HZN/TO 120, *Koža i obuća*

HRN EN ISO 5402-1:2022 en pr
Koža – Određivanje otpornosti na svijanje – 1. dio: Metoda fleksometrom (ISO 5402-1:2022; EN ISO 5402-1:2022)
Leather – Determination of flex resistance – Part 1: Flexometer method (ISO 5402-1:2022; EN ISO 5402-1:2022)

HZN/TO 126, *Duhan i duhanski proizvodi*

HRN EN ISO 12863:2022 en pr
Standardna ispitna metoda za ocjenjivanje svojstva zapaljivosti cigareta (ISO 12863:2022; EN ISO 12863:2022)
Standard test method for assessing the ignition propensity of cigarettes (ISO 12863:2022; EN ISO 12863:2022)

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

HRN EN ISO 3459:2022 en pr
Plastični cijevni sustavi – Mehanički spojevi spojnica i tlačnih cijevi – Metoda ispitivanja nepropusnosti pod negativnim tlakom (ISO 3459:2022; EN ISO 3459:2022)
Plastic piping systems – Mechanical joints between fittings and pressure pipes – Test method for leak tightness under negative pressure (ISO 3459:2022; EN ISO 3459:2022)

HRN EN 14541-1:2022 en pr
Plastične cijevi i spojnice – Uporaba plastomernog reciklata – 1. dio: Nazivlje (EN 14541-1:2022)
Plastics pipes and fittings – Utilisation of thermoplastics recyclates – Part 1: Terminology (EN 14541-1:2022)

HRS CEN/TS 14541-2:2022 en pr
Plastične cijevi i spojnice – Uporaba plastomernih reciklata – 2. dio: Preporuke za značajne karakteristike (CEN/TS 14541-2:2022)
Plastics pipes and fittings – Utilisation of thermoplastics recyclates – Part 2: Recommendations for relevant characteristics (CEN/TS 14541-2:2022)

HRS CEN/TS 17176-3:2022 en pr
Plastični cijevni sustavi za opskrbu vodom i podzemnu i nadzemnu tlačnu odvodnju, kanalizaciju i navodnjavanje – Orijentirani neomekšani poli(vinil-klorid) (PVC-O) – 3. dio: Spojnice (CEN/TS 17176-3:2022)
Plastics piping systems for water supply and for buried and above ground drainage, sewerage and irrigation under pressure – Oriented unplasticized poly(vinyl chloride) (PVC-O) – Part 3: Fittings (CEN/TS 17176-3:2022)

HZN/TO 145, *Grafički simboli*

HRN EN ISO 7010:2020/A2:2022 en pr
Grafički simboli – Boje i znakovi sigurnosti – Registrirani znakovi sigurnosti (ISO 7010:2019/Amd 2:2020; EN ISO 7010:2020/A2:2022)
Graphical symbols – Safety colours and safety signs – Registered safety signs (ISO 7010:2019/Amd 2:2020; EN ISO 7010:2020/A2:2022)

HRN EN ISO 7010:2020/A3:2022 en pr
Grafički simboli – Boje i znakovi sigurnosti – Registrirani znakovi sigurnosti (ISO 7010:2019/Amd 3:2021; EN ISO 7010:2020/A3:2022)
Graphical symbols – Safety colours and safety signs – Registered safety signs (ISO 7010:2019/Amd 3:2021; EN ISO 7010:2020/A3:2022)

HZN/TO 146, *Kvaliteta zraka*

HRN EN 17628:2022 en pr
Fugitivne i difuzne emisije značajne za industriju – Standardna metoda za određivanje difuznih emisija hlapivih organskih spojeva u atmosferu (EN 17628:2022)
Fugitive and diffuse emissions of common concern to industry sectors – Standard method to determine diffuse emissions of volatile organic compounds into the atmosphere (EN 17628:2022)

HZN/TO 165, *Drvene konstrukcije*

HRN EN 14081-3:2022 en pr
Drvene konstrukcije – Konstrukcijsko drvo pravokutnoga poprečnog presjeka razvrstano prema čvrstoći – 3. dio: Strojno razvrstavanje, dodatni zahtjevi za tvorničku kontrolu proizvodnje (EN 14081-3:2022)
Timber structures – Strength graded structural timber with rectangular cross section – Part 3: Machine grading; additional requirements for factory production control (EN 14081-3:2022)

HRN EN 14592:2022 en pr
Drvene konstrukcije – Spajala – Zahtjevi (EN 14592:2022)
Timber structures – Fasteners – Requirements (EN 14592:2022)

HZN/TO 181, Sigurnost igraćaka i proizvodi za djecu

HRN EN 71-13:2022 en pr
Sigurnost igraćaka – 13. dio: Mirisne ploče za igru, kozmetički setovi i setovi za kušanje (EN 71-13:2021+A1:2022)
Safety of toys – Part 13: Olfactory board games, cosmetic kits and gustative games (EN 71-13:2021+A1:2022)

HRN EN 1888-1:2022 en pr
Proizvodi za dojenčad i malu djecu – Dječja kolica – 1. dio: Sklopiva kolica i kolica za novorođenčad (EN 1888-1:2018+A1:2022)
Child care articles – Wheeled child conveyances – Part 1: Pushchairs and prams (EN 1888-1:2018+A1:2022)

HRN EN 13209-1:2022 en pr
Proizvodi za dojenčad i malu djecu – Dječje nosiljke – Sigurnosni zahtjevi i metode ispitivanja – 1. dio: Ledne nosiljke s krutom konstrukcijom (EN 13209-1:2022)
Child care articles – Child carriers – Safety requirements and test methods – Part 1: Framed back carrier (EN 13209-1:2022)

HZN/TO 218, Drvo

HRI CEN/TR 17810:2022 en pr
Trajnost drva i proizvoda na osnovi drva – Dokument za tumačenje normi koje se odnose na zahtjeve učinkovitosti i specifikacije sredstava za zaštitu drva (CEN/TR 17810:2022)
Durability of wood and wood-based products – Interpretation document for standards related to efficacy requirements and specifications of wood preservatives (CEN/TR 17810:2022)

HZN/TO 238, Čvrsta biogoriva

HRS CEN ISO/TS 20048-1:2022 en pr
Čvrsta biogoriva – Određivanje karakteristika otplinjavanja i potrošnje kisika – 1. dio: Laboratorijska metoda za određivanje otpuštanja plinova i potrošnje kisika uporabom zatvorenih spremnika (ISO/TS 20048-1:2020; CEN ISO/TS 20048-1:2022)
Solid biofuels – Determination of off-gassing and oxygen depletion characteristics – Part 1: Laboratory method for the determination of off-gassing and oxygen depletion using closed containers (ISO/TS 20048-1:2020; CEN ISO/TS 20048-1:2022)

HRS CEN ISO/TS 20049-2:2022 en pr
Čvrsta biogoriva – Određivanje samozagrijavanja peletiziranih biogoriva – 2. dio: Ispitivanja grijanjem košare (ISO/TS 20049-2:2020; CEN ISO/TS 20049-2:2022)
Solid biofuels – Determination of self-heating of pelletized biofuels – Part 2: Basket heating tests (ISO/TS 20049-2:2020; CEN ISO/TS 20049-2:2022)

HZN/TO 503, Metalni materijali

HRN EN 12020-1:2022 en pr
Aluminij i aluminijeve legure – Istisnuti precizni profili od legura EN AW-6060 i EN AW-6063 – 1. dio: Tehnički uvjeti za preuzimanje i isporuku (EN 12020-1:2022)
Aluminium and aluminium alloys – Extruded precision profiles in alloys EN AW-6060 and EN AW-6063 – Part 1: Technical conditions for inspection and delivery (EN 12020-1:2022)

HZN/TO 504, Korozija i zaštita metala i legura

HRN EN ISO 4531:2022 en pr
Staklasti i porculanski emajli – Otpuštanje iz emajliranih predmeta u dodiru s hranom – Metode ispitivanja i granične vrijednosti (ISO 4531:2022; EN ISO 4531:2022)
Vitreous and porcelain enamels – Release from enamelled articles in contact with food – Methods of test and limits (ISO 4531:2022; EN ISO 4531:2022)

HRN EN 15112:2022 en pr
Vanjska katodna zaštita zaštitnih cijevi bušotina (EN 15112:2022)
External cathodic protection of well casings (EN 15112:2022)

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

HRN EN ISO 13503-3:2022 en pr
Industrija nafte i prirodnog plina – Materijali i fluidi za završno opremanje bušotine – 3. dio: Ispitivanje teške slane vode (ISO 13503-3:2022; EN ISO 13503-3:2022)
Petroleum and natural gas industries – Completion fluids and materials – Part 3: Testing of heavy brines (ISO 13503-3:2022; EN ISO 13503-3:2022)

HRN EN ISO 20765-5:2022 en pr
Prirodni plin – Izračunavanje termodinamičkih svojstava – 5. dio: Izračunavanje viskoznosti, Joule-Thomsonovog koeficijenta i izentropskog eksponenta (ISO 20765-5:2022; EN ISO 20765-5:2022)
Natural gas – Calculation of thermodynamic properties – Part 5: Calculation of viscosity, Joule-Thomson coefficient, and isentropic exponent (ISO 20765-5:2022; EN ISO 20765-5:2022)

HZN/TO 513, Mjerne jedinice i mjerila

HRN EN ISO 4373:2022 en pr
Hidrometrija – Uređaji za mjerenje razine vode (ISO 4373:2022; EN ISO 4373:2022)
Hydrometry – Water level measuring devices (ISO 4373:2022; EN ISO 4373:2022)

HZN/TO 524, Inteligentni transportni sustavi

HRN EN ISO 12855:2022 en pr
Elektronička naplata – Razmjena informacija između pružanja usluge i naplate cestarine (ISO 12855:2022; EN ISO 12855:2022)
Electronic fee collection – Information exchange between service provision and toll charging (ISO 12855:2022; EN ISO 12855:2022)

HZN/TO 525, Hidroizolacijski materijali i proizvodi za pokrivanje krovova

HRN EN 17468-1:2022 en pr
Proizvodi od cementa ojačanog vlaknima – Određivanje otpornosti na izvlačenje i posmik i proračuni čvrstoće na savijanje – 1. dio: Ravne ploče (EN 17468-1:2022)
Fibre cement products – Determination of pull through and shear resistance and bending strength calculations – Part 1: Flat sheets (EN 17468-1:2022)

HZN/TO 528, Oprema za željeznice

HRN EN 16186-8:2022 en pr
Željeznički sustav – Upravljačnica – 8. dio: Raspored i dostupnost tramvajske upravljačnice (EN 16186-8:2022)
Railway applications – Driver's cab – Part 8: Tram vehicle layout and access (EN 16186-8:2022)

HZN/TO 531, Plastika i guma

HRN EN ISO 8330:2022 en pr
Gumena i plastična crijeva i crijevni sklopovi – Terminološki rječnik (ISO 8330:2022; EN ISO 8330:2022)
Rubber and plastics hoses and hose assemblies – Vocabulary (ISO 8330:2022; EN ISO 8330:2022)

HRN EN ISO 11358-1:2022 en pr
Plastika – Termogravimetrija (TG) polimera – 1. dio: Opća načela (ISO 11358-1:2022; EN ISO 11358-1:2022)
Plastics – Thermogravimetry (TG) of polymers – Part 1: General principles (ISO 11358-1:2022; EN ISO 11358-1:2022)

HRN EN ISO 18064:2022 en pr
Plastomerni elastomeri – Nomenklatura i skraćeni nazivi (ISO 18064:2022; EN ISO 18064:2022)
Thermoplastic elastomers – Nomenclature and abbreviated terms (ISO 18064:2022; EN ISO 18064:2022)

HRN EN ISO 18752:2022 en pr
Gumena crijeva i crijevni sklopovi – Tipovi za određene tlakove ojačani žicom ili tekstilom za hidrauličke primjene – Specifikacija (ISO 18752:2022; EN ISO 18752:2022)
Rubber hoses and hose assemblies – Wire-or textile-reinforced single-pressure types for hydraulic applications – Specification (ISO 18752:2022; EN ISO 18752:2022)

HRN EN ISO 19712-3:2022 en pr
Plastika – Ukrasni materijali čvrste površine – 3. dio: Određivanje svojstava – Oblici čvrste površine (ISO 19712-3:2022; EN ISO 19712-3:2022)
Plastics – Decorative solid surfacing materials – Part 3: Determination of properties – Solid surface shapes (ISO 19712-3:2022; EN ISO 19712-3:2022)

HZN/TO 533, Kolničke konstrukcije

HRN EN 12697-36:2022 en pr
Bitumenske mješavine – Metode ispitivanja – 36. dio: Određivanje debljine asfaltnih slojeva u kolniku (EN 12697-36:2022)
Bituminous mixtures – Test methods – Part 36: Determination of the thickness of bituminous pavement (EN 12697-36:2022)

HRN EN 12697-37:2022 en pr
Bitumenske mješavine – Metode ispitivanja – 37. dio: Ispitivanje prionljivosti veziva vrućim pijeskom na prethodno obavijenu zrnju agregata za HRA (Hot Rolled Asphalt) (EN 12697-37:2022)
Bituminous mixtures – Test methods – Part 37: Hot sand test for the adhesivity of binder on pre-coated chippings for Hot-Rolled-Asphalt (HRA) (EN 12697-37:2022)

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

HRN EN ISO 9488:2022 en pr
Sunčeva energija – Terminološki rječnik (ISO 9488:2022; EN ISO 9488:2022)
Solar energy – Vocabulary (ISO 9488:2022; EN ISO 9488:2022)

HRN EN 15632-4:2022 en pr
Cijevi za daljinsko grijanje – Tvornički izrađeni sustavi savitljivih cijevi – 4. dio: Spojeni sustav s metalnim cijevima, zahtjevi i metode ispitivanja (EN 15632-4:2022)
District heating pipes – Factory made flexible pipe systems – Part 4: Bonded system with metal service pipes, requirements and test methods (EN 15632-4:2022)

HRN EN ISO 29463-5:2022 en pr
Visokoučinkoviti filtri i filterski mediji za odstranjivanje čestica iz zraka – 5. dio: Metoda ispitivanja filterskih elemenata (ISO 29463-5:2022; EN ISO 29463-5:2022)
High-efficiency filters and filter media for removing particles in air – Part 5: Test method for filter elements (ISO 29463-5:2022; EN ISO 29463-5:2022)

HZN/TO 550, Opskrba vodom

HRN EN 1421:2022 en pr
Kemikalije koje se upotrebljavaju u obradi vode namijenjene ljudskoj potrošnji – Amonijev klorid (EN 1421:2022)
Chemicals used for treatment of water intended for human consumption – Ammonium chloride (EN 1421:2022)

HRN EN 12120:2022 en pr
Kemikalije koje se upotrebljavaju u obradi vode namijenjene ljudskoj potrošnji – Natrijev hidrogensulfid (EN 12120:2022)
Chemicals used for treatment of water intended for human consumption – Sodium hydrogen sulfite (EN 12120:2022)

HRN EN 12121:2022 en pr
Kemikalije koje se upotrebljavaju u obradi vode namijenjene ljudskoj potrošnji – Natrijev disulfid (EN 12121:2022)
Chemicals used for treatment of water intended for human consumption – Sodium disulfite (EN 12121:2022)

HRN EN 12123:2022 en pr
Kemikalije koje se upotrebljavaju u obradi vode namijenjene ljudskoj potrošnji – Amonijev sulfat (EN 12123:2022)
Chemicals used for treatment of water intended for human consumption – Ammonium sulfate (EN 12123:2022)

HRN EN 12124:2022 en pr
Kemikalije koje se upotrebljavaju u obradi vode namijenjene ljudskoj potrošnji – Natrijev sulfid (EN 12124:2022)
Chemicals used for treatment of water intended for human consumption – Sodium sulfite (EN 12124:2022)

HRN EN 12126:2022 en pr
Kemikalije koje se upotrebljavaju u obradi vode namijenjene ljudskoj potrošnji – Ukapljeni amonijak (EN 12126:2022)
Chemicals used for treatment of water intended for human consumption – Liquefied ammonia (EN 12126:2022)

HRN EN 12175:2022 en pr
Kemikalije koje se upotrebljavaju u obradi vode namijenjene ljudskoj potrošnji – Heksfluorosilicijeva kiselina (EN 12175:2022)
Chemicals used for treatment of water intended for human consumption – Hexafluorosilicic acid (EN 12175:2022)

HRN EN 14805:2022 en pr
Kemikalije koje se upotrebljavaju u obradi vode namijenjene ljudskoj potrošnji – Natrijev klorid za elektroklorinaciju uporabom nemembranske tehnologije (EN 14805:2022)
Chemicals used for treatment of water intended for human consumption – Sodium chloride for on site electrochlorination using non-membrane technology (EN 14805:2022)

HRN EN 16370:2022 en pr
Kemikalije koje se upotrebljavaju u obradi vode namijenjene ljudskoj potrošnji – Natrijev klorid za membransku elektrolizu (EN 16370:2022)
Chemicals used for treatment of water intended for human consumption – Sodium chloride for on site electrochlorination using membrane cells (EN 16370:2022)

HZN/TO 551, Gradnja

HRN EN ISO 22057:2022 en pr
Sustainability in buildings and civil engineering works – Data templates for the use of environmental product declarations (EPDs) for construction products in building information modelling (BIM) (ISO 22057:2022; EN ISO 22057:2022)

HZN/TO 553, Predgotovljeni proizvodi

HRN EN ISO 10545-18:2022 en pr
Keramičke pločice – 18. dio: Određivanje faktora refleksije (LRV) (ISO 10545-18:2022; EN ISO 10545-18:2022)
Ceramic tiles – Part 18: Determination of Light Reflectance Value (LRV) (ISO 10545-18:2022; EN ISO 10545-18:2022)

HZN/TO 554, Obrada otpadnih voda

HRN EN 476:2022 en pr
Opći zahtjevi za dijelove koji se upotrebljavaju u odvodnji i kanalizaciji (EN 476:2022)
General requirements for components used in drains and sewers (EN 476:2022)

HZN/TO 556, Osobna zaštitna oprema

HRN EN ISO 16321-1:2022 en pr
Štitnici za oči i lice za profesionalnu upotrebu – 1. dio: Opći zahtjevi (ISO 16321-1:2021; EN ISO 16321-1:2022)
Eye and face protection for occupational use – Part 1: General requirements (ISO 16321-1:2021; EN ISO 16321-1:2022)

HRN EN ISO 16321-3:2022 en pr
Štitnici za oči i lice za profesionalnu upotrebu – 3. dio: Dodatni zahtjevi za mrežaste štitnike (ISO 16321-3:2021; EN ISO 16321-3:2022)
Eye and face protection for occupational use – Part 3: Additional requirements for mesh protectors (ISO 16321-3:2021; EN ISO 16321-3:2022)

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

HRN EN 14427:2022 en pr
Oprema i pribor za UNP – Prenosive, ponovno punjive kompozitne boce za UNP – Projektiranje i izrada (EN 14427:2022)
LPG equipment and accessories – Transportable refillable composite cylinders for LPG – Design and construction (EN 14427:2022)

HRN EN ISO 22434:2022 en pr
Plinske boce – Pregled i održavanje ventila boca (ISO 22434:2022; EN ISO 22434:2022)
Gas cylinders – Inspection and maintenance of valves (ISO 22434:2022; EN ISO 22434:2022)

HZN/TO 566, Mlijeko i mliječni proizvodi

HRN EN ISO 23319:2022 en pr
Sir i proizvodi na bazi topljenog sira, kazeina i kazeinata – Određivanje sadržaja masti – Gravimetrijska metoda (ISO 23319:2022; EN ISO 23319:2022)
Cheese and processed cheese products, caseins and caseinates – Determination of fat content – Gravimetric method (ISO 23319:2022; EN ISO 23319:2022)

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

HRN EN 1787:2022 en pr
Hrana – Dokazivanje primjene postupka ozračivanja u namirnicama koje sadrže celulozu metodom elektron-spinske rezonancijske (ESR) spektroskopije (EN 1787:2022)
Foodstuffs – Detection of irradiated food containing cellulose by ESR spectroscopy (EN 1787:2022)

HZN/TO E11, Nadzemni vodovi

HRN EN 50341-2-22:2022 en pr
Nadzemni električni vodovi izmjenične struje iznad 1 kV – Dio 2-22: Nacionalni normativni aspekti (NNA) za Poljsku (na temelju EN 50341-1:2012) (EN 50341-2-22:2022)
Overhead electrical lines exceeding AC 1 kV – Part 2-22: National Normative Aspects (NNA) for Poland (based on EN 50341-1:2012) (EN 50341-2-22:2022)

HZN/TO E17, Sklopni i upravljački uređaji

HRN EN IEC 60947-5-2:2020/A11:2022 en pr
Niskonaponska sklopna aparatura – Dio 5-2: Aparati za upravljačke strujne krugove i sklopni elementi – Blizinske sklopke (EN IEC 60947-5-2:2020/A11:2022)
Low-voltage switchgear and controlgear – Part 5-2: Control circuit devices and switching elements – Proximity switches (EN IEC 60947-5-2:2020/A11:2022)

HZN/TO E22, Energetska elektronika

HRN EN 62751-1:2015/A2:2022 en pr
Gubici u ventilima pretvarača s naponskim ulazom (VSC) za visokonaponske sustave istosmjerne struje (HVDC) – 1. dio: Opći zahtjevi (IEC 62751-1:2014/am2:2022; EN 62751-1:2014/A2:2022)
Power losses in voltage sourced converter (VSC) valves for high-voltage direct current (HVDC) systems – Part 1: General requirements (IEC 62751-1:2014/am2:2022; EN 62751-1:2014/A2:2022)

HZN/TO E34, Žarulje, svjetiljke i pripadna oprema

HRN EN 60061-1:2008/A11:2022 en pr
Podnošci i grla za žarulje, granična mjerila za kontrolu zamjenjivosti i sigurnosti – 1. dio: Podnošci za žarulje (EN 60061-1:1993/A11:2022)
Lamp caps and holders together with gauges for the control of interchangeability and safety – Part 1: Lamps caps (EN 60061-1:1993/A11:2022)

HRN EN 60061-1:2008/A59:2022 en pr
Podnošci i grla za žarulje, granična mjerila za kontrolu zamjenjivosti i sigurnosti – 1. dio: Podnošci za žarulje (IEC 60061-1:1969/A59:2019; EN 60061-1:1993/A59:2022)
Lamp caps and holders together with gauges for the control of interchangeability and safety – Part 1: Lamps Caps (IEC 60061-1:1969/A59:2019; EN 60061-1:1993/A59:2022)

HZN/TO E56, Pouzdanost

HRN EN IEC 60300-3-4:2022 en pr
Upravljanje pouzdanošću – Dio 3-4: Upute za primjenu – Upute za definiranje zahtjeva za pouzdanost (IEC 60300-3-4:2022; EN IEC 60300-3-4:2022)
Dependability management – Part 3-4: Application guide – Specification of dependability requirements (IEC 60300-3-4:2022; EN IEC 60300-3-4:2022)

HZN/TO E57, Upravljanje energetskim sustavom i pridružene komunikacije

HRN EN 61850-5:2014/A1:2022 en pr
Komunikacijske mreže i sustavi za automatizaciju u elektroprivredi – 5. dio: Komunikacijski zahtjevi na modele funkcija i uređaja (IEC 61850-5:2013/am1:2022; EN 61850-5:2013/A1:2022)
Communication networks and systems for power utility automation – Part 5: Communication requirements for functions and device models (IEC 61850-5:2013/am1:2022; EN 61850-5:2013/A1:2022)

HRN EN IEC 62325-451-8:2022 en pr
Okvir za komunikaciju na tržištu električnom energijom – Dio 451-8: Postupci vremenskog planiranja, kontekstualni i skupni modeli za europsko tržište (IEC 62325-451-8:2022; EN IEC 62325-451-8:2022)
Framework for energy market communications – Part 451-8: HVDC Scheduling process, contextual and assembly models for European style market (IEC 62325-451-8:2022; EN IEC 62325-451-8:2022)

HZN/TO E62, Električna oprema u medicinskoj praksi

HRN EN IEC 61675-1:2022 en pr
Radionuklidne naprave za snimanje – Značajke i ispitni uvjeti – 1. dio: Pozitronski emisijski tomografi (IEC 61675-1:2022; EN IEC 61675-1:2022)
Radionuclide imaging devices – Characteristics and test conditions – Part 1: Positron emission tomographs (IEC 61675-1:2022; EN IEC 61675-1:2022)

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

HRN EN IEC 61918:2018/A1:2022 en pr
Industrijske komunikacijske mreže – Instalacija komunikacijskih mreža u industrijskim uvjetima (IEC 61918:2018/am1:2022; EN IEC 61918:2018/A1:2022)
Industrial communication networks – Installation of communication networks in industrial premises (IEC 61918:2018/am1:2022; EN IEC 61918:2018/A1:2022)

HRN EN IEC 62714-5:2022 en pr
Format razmjene tehničkih podataka za uporabu u upravljanju industrijskim automatizacijskim sustavima – Viši jezik automatizacije – 5. dio: Komunikacija (IEC 62714-5:2022; EN IEC 62714-5:2022)
Engineering data exchange format for use in industrial automation systems engineering – Automation Markup Language – Part 5: Communication (IEC 62714-5:2022; EN IEC 62714-5:2022)

HZN/TO E106, Elektromagnetska polja u ljudskome okolišu

HRN IEC 61786-2:2022 en pr
Mjerenje istosmjernih magnetskih te izmjeničnih magnetskih i električnih polja frekvencija od 1 Hz do 100 kHz, s obzirom na izloženost ljudi – 2. dio: Osnovna norma za mjerenja (IEC 61786-2:2014)
Measurement of DC magnetic, AC magnetic and AC electric fields from 1 Hz to 100 kHz with regard to exposure of human beings – Part 2: Basic standard for measurements (IEC 61786-2:2014)

HZN/TO E500, Elektromagnetska kompatibilnost u elektrotehnici i telekomunikacijama

HRN EN 55016-1-6:2015/A2:2022 en pr
Specifikacija uređaja i metoda za mjerenje radiosmetnja i otpornosti – Dio 1-6: Uređaji za mjerenje radiosmetnja i otpornosti – EMC umjeravanje antena (CISPR 16-1-6:2014/am2:2022; EN 55016-1-6:2015/A2:2022)
Specification for radio disturbance and immunity measuring apparatus and methods – Part 1-6: Radio disturbance and immunity measuring apparatus – EMC antenna calibration (CISPR 16-1-6:2014/am2:2022; EN 55016-1-6:2015/A2:2022)

HZN/TO E501, Elektroakustika i ultrazvuk

HRN EN IEC 60118-16:2022 en pr
Elektroakustika – Slušna pomagala – 16. dio: Definicija i verifikacija značajki slušnih pomagala (IEC 60118-16:2022; EN IEC 60118-16:2022)
Electroacoustics – Hearing aids – Part 16: Definition and verification of hearing aid features (IEC 60118-16:2022; EN IEC 60118-16:2022)

HRN EN IEC 60645-6:2022 en pr
Elektroakustika – Audiometrijska oprema – 6. dio: Instrumenti za mjerenje otoakustičkih emisija (IEC 60645-6:2022; EN IEC 60645-6:2022)
Electroacoustics – Audiometric equipment – Part 6: Instruments for the measurement of otoacoustic emissions (IEC 60645-6:2022; EN IEC 60645-6:2022)

HRN EN IEC 61689:2022 en pr
Ultrazvuk – Fizioterapijski sustavi – Specifikacije polja i metode mjerenja u frekvencijskom području od 0,5 MHz do 5 MHz (IEC 61689:2022; EN IEC 61689:2022)
Ultrasonics – Physiotherapy systems – Field specifications and methods of measurement in the frequency range 0,5 MHz to 5 MHz (IEC 61689:2022; EN IEC 61689:2022)

HRN EN IEC 62127-1:2022 en pr
Ultrazvuk – Hidrofoni – 1. dio: Mjerenje i karakterizacija medicinskih ultrazvučnih polja (IEC 62127-1:2022; EN IEC 62127-1:2022)
Ultrasonics – Hydrophones – Part 1: Measurement and characterization of medical ultrasonic fields (IEC 62127-1:2022; EN IEC 62127-1:2022)

HZN/TO T4, Normizacija u telekomunikacijama

HRN EN 303 213-5-2 V1.1.1:2022 en pr
Napredni sustav vođenja i kontrole kretanja površinom (A-SMGCS) – 5. dio: Harmonizirana norma za pristup radijskom spektru za opremu multilateracije (OMLA) – 2. poddio: Referentni i odašiljači vozila (EN 303 213-5-2 V1.1.1:2022)
Advanced Surface Movement Guidance and Control System (A-SMGCS) – Part 5: Harmonised Standard for access to radio spectrum for Multilateration (MLAT) equipment – Sub-part 2: Reference and Vehicle Transmitters (EN 303 213-5-2 V1.1.1:2022)

HRN EN 319 532-4 V1.2.1:2022 en pr
Elektronički potpisi i infrastrukture (EPI) – Usluge registrirane elektroničke pošte (REP) – 4. dio: Profili interoperabilnosti (EN 319 532-4 V1.2.1:2022)
Electronic Signatures and Infrastructures (ESI) – Registered Electronic Mail (REM) Services – Part 4: Interoperability profiles (EN 319 532-4 V1.2.1:2022)

HZN/TO Z1, Informacijska tehnologija

HRN EN 17748-1:2022 en pr
Temeljni korpus znanja za IKT profesiju (ICT BoK) – 1. dio: Korpus znanja (EN 17748-1:2022)
Foundational Body of Knowledge for the ICT Profession (ICT BoK) – Part 1: Body of Knowledge (EN 17748-1:2022)

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

HRN EN ISO 8655-1:2022 en pr
Klipna volumetrijska aparatura – 1. dio: Nazivlje, opći zahtjevi i preporuke za korisnika (ISO 8655-1:2022; EN ISO 8655-1:2022)
Piston-operated volumetric apparatus – Part 1: Terminology, general requirements and user recommendations (ISO 8655-1:2022; EN ISO 8655-1:2022)

HRN EN ISO 8655-2:2022 en pr
Klipna volumetrijska aparatura – 2. dio: Pipete (ISO 8655-2:2022; EN ISO 8655-2:2022)
Piston-operated volumetric apparatus – Part 2: Pipettes (ISO 8655-2:2022; EN ISO 8655-2:2022)

HRN EN ISO 8655-6:2022 en pr
Klipna volumetrijska aparatura – 6. dio: Gravimetrijski referentni postupak mjerenja za određivanje volumena (ISO 8655-6:2022; EN ISO 8655-6:2022)
Piston-operated volumetric apparatus – Part 6: Gravimetric reference measurement procedure for the determination of volume (ISO 8655-6:2022; EN ISO 8655-6:2022)

HRN EN ISO/ASTM 52925:2022 en pr
Aditivna proizvodnja polimera – Sirovine – Kriteriji kvalificiranosti materijala za proizvodnju dijelova stapanjem praškastih slojeva (ISO/ASTM 52925:2022; EN ISO/ASTM 52925:2022)
Additive manufacturing of polymers – Feedstock materials – Qualification of materials for laser-based powder bed fusion of parts (ISO/ASTM 52925:2022; EN ISO/ASTM 52925:2022)

HZN/TU I2, Strojstvo 2

HRN EN 15094:2022 en pr
Sigurnost strojeva – Sigurnosni zahtjevi za valjaonice za hladno valjanje plosnatih proizvoda (EN 15094:2022)
Safety of machinery – Safety requirements for cold flat rolling mills (EN 15094:2022)

HZN/TU N1, Nemetalni materijali 1

HRN EN ISO 17138:2022 en pr
Fine ceramics (advanced ceramics, advanced technical ceramics) – Mechanical properties of ceramic composites at room temperature – Determination of flexural strength (ISO 17138:2014; EN ISO 17138:2022)

HRN EN ISO 17139:2022 en pr
Fine ceramics (advanced ceramics, advanced technical ceramics) – Thermophysical properties of ceramic composites – Determination of thermal expansion (ISO 17139:2014; EN ISO 17139:2022)

HRN EN ISO 18608:2022 en pr
Fine ceramics (advanced ceramics, advanced technical ceramics) – Mechanical properties of ceramic composites at ambient temperature in air atmospheric pressure – Determination of the resistance to crack propagation by notch sensitivity testing (ISO 18608:2017; EN ISO 18608:2022)

HRN EN ISO 18754:2022 en pr
Fine ceramics (advanced ceramics, advanced technical ceramics) – Determination of density and apparent porosity (ISO 18754:2020; EN ISO 18754:2022)

HRN EN ISO 19629:2022 en pr
Fine ceramics (advanced ceramics, advanced technical ceramics) – Thermophysical properties of ceramic composites – Determination of unidimensional thermal diffusivity by flash method (ISO 19629:2018; EN ISO 19629:2022)

HRN EN ISO 22459:2022 en pr
Fine ceramics (advanced ceramics, advanced technical ceramics) – Reinforcement of ceramic composites – Determination of distribution of tensile strength and tensile strain to failure of filaments within a multifilament tow at ambient temperature (ISO 22459:2020; EN ISO 22459:2022)

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

HRN EN ISO 11608-1:2022 en pr
Injekcijski sustavi s iglom za medicinsku primjenu – Zahtjevi i metode ispitivanja – 1. dio: Injekcijski sustavi s iglom (ISO 11608-1:2022; EN ISO 11608-1:2022)
Needle-based injection systems for medical use – Requirements and test methods – Part 1: Needle-based injection systems (ISO 11608-1:2022; EN ISO 11608-1:2022)

HRN EN ISO 11608-2:2022 en pr
Injekcijski sustavi s iglom za medicinsku primjenu – Zahtjevi i metode ispitivanja – 2. dio: Dvostrane igle za inzulinske olovke (ISO 11608-2:2022; EN ISO 11608-2:2022)
Needle-based injection systems for medical use – Requirements and test methods – Part 2: Double-ended pen needles (ISO 11608-2:2022; EN ISO 11608-2:2022)

HRN EN ISO 11608-3:2022 en pr
Injekcijski sustavi s iglom za medicinsku primjenu – Zahtjevi i metode ispitivanja – 3. dio: Spremnici za lijek i ugrađeni dijelovi za prolaz tekućine za upotrebu s injekcijskim sustavima s iglom (ISO 11608-3:2022; EN ISO 11608-3:2022)
Needle-based injection systems for medical use – Requirements and test methods – Part 3: Containers and integrated fluid paths (ISO 11608-3:2022; EN ISO 11608-3:2022)

HRN EN ISO 11608-4:2022 en pr
Injekcijski sustavi s iglom za medicinsku primjenu – Zahtjevi i metode ispitivanja – 4. dio: Injekcijski sustavi s iglom koji sadrže elektroničke elemente (ISO 11608-4:2022; EN ISO 11608-4:2022)
Needle-based injection systems for medical use – Requirements and test methods – Part 4: Needle-based injection systems containing electronics (ISO 11608-4:2022; EN ISO 11608-4:2022)

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

- HRN EN 2535:2022 en pr
Zrakoplovstvo – Vakuumsko odlaganje kadmija (EN 2535:2022)
Aerospace series – Vacuum deposition of cadmium (EN 2535:2022)
- HRN EN 3660-062:2022 en pr
Zrakoplovstvo – Oprema utičnice kabela za kružne i kvadratne električne i optičke spojnice – Dio 062: Kabelski izlaz, tip K, 90°, za elemente koje se skupljaju na toplini, oklopljeni, zabrtvljeni, samozatvarajući – Norma za proizvod (EN 3660-062:2022)
Aerospace series – Cable outlet accessories for circular and rectangular electrical and optical connectors – Part 062: Cable outlet, style K, 90°, for heat shrinkable boot, shielded, sealed, self-locking – Product standard (EN 3660-062:2022)
- HRN EN 3660-063:2022 en pr
Zrakoplovstvo – Oprema utičnice kabela za kružne i kvadratne električne i optičke spojnice – Dio 063: Kabelski izlaz, tip K, ravni, za elemente koje se skupljaju na toplini, oklopljeni, zabrtvljeni, samozatvarajući – Norma za proizvod (EN 3660-063:2022)
Aerospace series – Cable outlet accessories for circular and rectangular electrical and optical connectors – Part 063: Cable outlet, style K, straight, for heat shrinkable boot, shielded, sealed, self-locking – Product standard (EN 3660-063:2022)
- HRN EN 3660-064:2022 en pr
Zrakoplovstvo – Oprema utičnice kabela za kružne i kvadratne električne i optičke spojnice – Dio 064: Kabelski izlaz, tip K, ravni, za elemente koje se skupljaju na toplini, oklopljeni, zabrtvljeni, samozatvarajući – Norma za proizvod (EN 3660-064:2022)
Aerospace series – Cable outlet accessories for circular and rectangular electrical and optical connectors – Part 064: Cable outlet, style K, straight, for heat shrinkable boot, shielded, sealed, self-locking – Product standard (EN 3660-064:2022)
- HRN EN 3660-065:2022 en pr
Zrakoplovstvo – Oprema utičnice kabela za kružne i kvadratne električne i optičke spojnice – Dio 065: Kabelski izlaz, tip K, 90°, za elemente koje se skupljaju na toplini, oklopljeni, zabrtvljeni, samozatvarajući – Norma za proizvod (EN 3660-065:2022)
Aerospace series – Cable outlet accessories for circular and rectangular electrical and optical connectors – Part 065: Cable outlet, style K, 90°, for heat shrinkable boot, shielded, sealed, self-locking – Product standard (EN 3660-065:2022)
- HRN EN 3792:2022 en pr
Zrakoplovstvo – Anaerobne polimerne komponente – Tehnička specifikacija (EN 3792:2022)
Aerospace series – Anaerobic polymerisable compounds – Technical specification (EN 3792:2022)
- HRN EN 4260:2022 en pr
Zrakoplovstvo – Metalni materijali – Pravila za pisanje i prikazivanje tehničkih specifikacija (EN 4260:2022)
Aerospace series – Metallic materials – Rules for drafting and presentation of technical specifications (EN 4260:2022)
- HRN EN 4261:2022 en pr
Zrakoplovstvo – Metalni materijali – Pravila za pisanje i prikazivanje norma za metode ispitivanja (EN 4261:2022)
Aerospace series – Metallic materials – Rules for drafting and presentation of test method standards (EN 4261:2022)
- HRN EN 4385:2022 en pr
Zrakoplovstvo – Nemetalni materijali – Opća organizacija normizacije – Poveznice između vrsta norma (EN 4385:2022)
Aerospace series – Non-metallic materials – General organization of standardization – Links between types of standards (EN 4385:2022)
- HRN EN 4387:2022 en pr
Zrakoplovstvo – Nemetalni materijali – Pravila za pisanje i prikazivanje tehničkih specifikacija (EN 4387:2022)
Aerospace series – Non-metallic materials – Rules for drafting and presentation of technical specifications (EN 4387:2022)
- HRN EN 4844:2022 en pr
Zrakoplovstvo – Vijci sa 100° normalnom upuštenom glavom, udubljeni na spiralnom pogonu, s navojem po cijeloj dužini do glave, od čelika otpornog na toplinu i koroziju, pasiviziran – Klasifikacija: 1100 MPa (pri temperaturi okoline)/425 °C (EN 4844:2022)
Aerospace series – Screws, 100° countersunk normal head, Spiral Drive Recess, threaded to head, in heat and corrosion resisting steel, passivated – Classification: 1 100 MPa (at ambient temperature) / 425 °C (EN 4844:2022)
- HRN EN 4845:2022 en pr
Zrakoplovstvo – Vijci sa 100° normalnom upuštenom glavom, udubljeni na spiralnom pogonu, kratkog navoja, od čelika otpornog na toplinu FE-PA2601 (A286), pasiviziran – Klasifikacija: 900 MPa (pri temperaturi okoline)/650 °C (EN 4845:2022)
Aerospace series – Screw, 100° countersunk normal head, Spiral Drive Recess, short thread, in heat resisting steel FE-PA2601 (A286), passivated – Classification: 900 MPa (at ambient temperature)/650 °C (EN 4845:2022)
- HRN EN 4846:2022 en pr
Zrakoplovstvo – Vijci s cilindričnom glavom, udubljeni na spiralnom pogonu, s navojem po cijeloj dužini do glave, od čelika otpornog na toplinu i koroziju, pasiviziran – Klasifikacija: 1100 MPa (pri temperaturi okoline)/425 °C (EN 4846:2022)
Aerospace series – Screws, pan head, Spiral Drive Recess, threaded to head, in heat and corrosion resisting steel, passivated – Classification: 1 100 MPa (at ambient temperature) / 425 °C (EN 4846:2022)
- HRN EN 4847:2022 en pr
Zrakoplovstvo – Vijci s cilindričnom glavom, udubljeni na spiralnom pogonu, normalnog struka grube tolerancije, srednje dužine navoja, od legure čelika, prevučeni kadmijem – Klasifikacija: 1100 MPa (pri temperaturi okoline)/235 °C (EN 4847:2022)
Aerospace series – Screw, pan head, Spiral Drive Recess, coarse tolerance normal shank, medium length thread, in alloy steel, cadmium plated – Classification: 1 100 MPa (at ambient temperature)/235 °C (EN 4847:2022)
- HRN EN 4848:2022 en pr
Zrakoplovstvo – Vijci s cilindričnom glavom, udubljeni na spiralnom pogonu, normalnog struka grube tolerancije, srednje dužine navoja, od legure titanija, anodizirani, podmazivani s MoS2 – Klasifikacija: 1100 MPa (pri temperaturi okoline)/315 °C (EN 4848:2022)
Aerospace series – Screw, pan head, Spiral Drive Recess, coarse tolerance normal shank, medium length thread, in titanium alloy, anodized, MoS2 lubricated – Classification: 1 100 MPa (at ambient temperature)/315 °C (EN 4848:2022)
- HRN EN 4849:2022 en pr
Zrakoplovstvo – Vijci sa 100° normalnom upuštenom glavom, udubljeni na spiralnom pogonu, s normalnim strukom uske tolerancije, s kratkim navojem, od legure titana, prevučeni IVD aluminijem – Klasifikacija: 1100 MPa (pri temperaturi okoline)/425 °C (EN 4849:2022)
Aerospace series – Screw, 100° countersunk normal head, Spiral Drive Recess, close tolerance normal shank, short thread, in titanium alloy, aluminium IVD coated – Classification: 1 100 MPa (at ambient temperature)/425 °C (EN 4849:2022)
- HRN EN 4850:2022 en pr
Zrakoplovstvo – Vijci sa 100° normalnom upuštenom glavom, udubljeni na spiralnom pogonu, normalnog struka grube tolerancije, srednje dužine navoja, od legure čelika, prevučeni kadmijem – Klasifikacija: 1100 MPa (pri temperaturi okoline)/235 °C (EN 4850:2022)
Aerospace series – Screw, 100° countersunk normal head, Spiral Drive Recess, coarse tolerance normal shank, medium length thread, in alloy steel, cadmium plated – Classification: 1 100 MPa (at ambient temperature)/235 °C (EN 4850:2022)
- HRN EN 4851:2022 en pr
Zrakoplovstvo – Vijci sa 100° normalnom upuštenom glavom, udubljeni na spiralnom pogonu, normalnog struka grube tolerancije, dugog navoja, od legure čelika, prevučeni kadmijem – Klasifikacija: 1100 MPa (pri temperaturi okoline)/235 °C (EN 4851:2022)
Aerospace series – Screw, 100° countersunk normal head, Spiral Drive Recess, coarse tolerance normal shank, long thread, in alloy steel, cadmium plated – Classification: 1 100 MPa (at ambient temperature)/235 °C (EN 4851:2022)
- HRN EN 4853:2022 en pr
Zrakoplovstvo – Spojni element s vanjskim navojem, sa 100° normalnom upuštenom glavom, udubljeni na spiralnom pogonu – Klasifikacija: 1100 MPa (pri temperaturi okoline)/425 °C (EN 4853:2022)
Aerospace series – Externally threaded fastener, 100° countersunk normal head, Spiral Drive Recess – Classification: 1 100 MPa (at ambient temperature)/425 °C (EN 4853:2022)

HZNTU V1, Elektronika 1

HRN EN 50411-3-6:2022 en pr
Sustavi upravljanja optičkim vlaknima i zaštitna kućišta za optičke komunikacijske sustave – Specifikacije proizvoda – Dio 3-6: Mehanički spojevi za višemedna optička vlakna (EN 50411-3-6:2022)
Fibre management systems and protective housings to be used in optical fibre communication systems – Product specifications – Part 3-6: Multi-mode mechanical fibre splice (EN 50411-3-6:2022)

HRN EN 50411-6-1:2022 en pr
Sustavi upravljanja optičkim vlaknima i zaštitna kućišta za optičke komunikacijske sustave – Specifikacije proizvoda – Dio 6-1: Nezaštićeni mikrovod za kategoriju S i A (EN 50411-6-1:2022)
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 (EN 50411-6-1:2022)

HRN EN 50491-12-2:2022 en pr
Opći zahtjevi za elektroničke sustave u stanovima i zgradama (HBES) i sustave automatizacije i nadzora u zgradama (BACS) – Dio 12-2: Pametna mreža – Specifikacija primjene – Sučelje i okvir za korisnika – Sučelje između upravitelja energijom kod korisnika (CEM, Customer Energy Manager) i upravitelja resursima (resource manager) u stanovima i zgradama – Model podataka i poruke (EN 50491-12-2:2022)
General requirements for Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS) – Part 12-2: Smart grid – Application specification – Interface and framework for customer – Interface between the Home / Building CEM and Resource manager(s) – Data model and messaging (EN 50491-12-2:2022)

HRN EN IEC 60794-1-220:2022 en pr
Svjetlovodni kabeli – Dio 1-220: Generička specifikacija – Osnovni postupci ispitivanja svjetlovodnih kabela – Metode ispitivanja utjecaja okoliša – Ispitivanje korozije u slanoj komori, metoda F20 (IEC 60794-1-220:2022; EN IEC 60794-1-220:2022)
Optical fibre cables – Part 1-220: Generic specification – Basic optical cable test procedures – Environmental test methods – Salt spray corrosion test, method F20 (IEC 60794-1-220:2022; EN IEC 60794-1-220:2022)

HRN EN 61010-2-012:2022 en pr
Sigurnosni zahtjevi za mjernu, upravljačku i laboratorijsku električnu opremu – Dio 2-012: Posebni zahtjevi za opremu za ispitivanje klime i okoliša i drugu opremu za kontrolu temperature (IEC 61010-2-012:2019; EN IEC 61010-2-012:2022)
Safety requirements for electrical equipment for measurement, control and laboratory use – Part 2-012: Particular requirements for climatic and environmental testing and other temperature conditioning equipment (IEC 61010-2-012:2019; EN IEC 61010-2-012:2022)

HRN EN IEC 61010-2-012:2022/A11:2022 en pr
Sigurnosni zahtjevi za mjernu, upravljačku i laboratorijsku električnu opremu – Dio 2-012: Posebni zahtjevi za opremu za ispitivanje klime i okoliša i drugu opremu za kontrolu temperature (EN IEC 61010-2-012:2022/A11:2022)
Safety requirements for electrical equipment for measurement, control and laboratory use – Part 2-012: Particular requirements for climatic and environmental testing and other temperature conditioning equipment (EN IEC 61010-2-012:2022/A11:2022)

HRN EN IEC 61169-17:2022 en pr
Radiofrekvencijski konektori – 17. dio: Sekcijska specifikacija za radiofrekvencijske koaksijalne konektore s unutarnjim promjerom vanjskog vodiča 6,5 mm (0,256 inča) s vijčanom spojinom – Karakteristične impedancije 50 Ω (Tip TNC) (IEC 61169-17:2022; EN IEC 61169-17:2022)
Radio-frequency connectors – Part 17: Sectional specification for RF coaxial connectors with inner diameter of outer conductor 6,5 mm (0,256 in) with screw coupling – Characteristic impedance 50 ohms (Type TNC) (IEC 61169-17:2022; EN IEC 61169-17:2022)

HRN EN IEC 61215-1-2:2021/A1:2022 en pr
Zemaljski fotonaponski (PV) moduli – Ocjena projekta i odobrenje tipa – Dio 1-2: Posebni zahtjevi za ispitivanje fotonaponskih modula (PV) na bazi tankoslojnog kadmij telurida (CdTe) (IEC 61215-1-2:2021/am1:2022; EN IEC 61215-1-2:2021/A1:2022)
Terrestrial photovoltaic (PV) modules – Design qualification and type approval – Part 1-2: Special requirements for testing of thin-film Cadmium Telluride (CdTe) based photovoltaic (PV) modules (IEC 61215-1-2:2021/am1:2022; EN IEC 61215-1-2:2021/A1:2022)

HRN EN IEC 61215-1-3:2021/A1:2022 en pr
Zemaljski fotonaponski (PV) moduli – Ocjena projekta i odobrenje tipa – Dio 1-3: Posebni zahtjevi za ispitivanje fotonaponskih (PV) modula na bazi tankoslojnog amornog silicija (IEC 61215-1-3:2021/am1:2022; EN IEC 61215-1-3:2021/A1:2022)
Terrestrial photovoltaic (PV) modules – Design qualification and type approval – Part 1-3: Special requirements for testing of thin-film amorphous silicon based photovoltaic (PV) modules (IEC 61215-1-3:2021/am1:2022; EN IEC 61215-1-3:2021/A1:2022)

HRN EN IEC 61215-1-4:2021/A1:2022 en pr
Zemaljski fotonaponski (PV) moduli – Ocjena projekta i odobrenje tipa – Dio 1-4: Posebni zahtjevi za ispitivanje fotonaponskih (PV) modula s dizajnom tankog filma Cu (In,Ga)(S,Se)₂ (IEC 61215-1-4:2021/am1:2022; EN IEC 61215-1-4:2021/A1:2022)
Terrestrial photovoltaic (PV) modules – Design qualification and type approval – Part 1-4: Special requirements for testing of thin-film Cu(In,Ga)(S,Se)₂ based photovoltaic (PV) modules (IEC 61215-1-4:2021/am1:2022; EN IEC 61215-1-4:2021/A1:2022)

HRN EN IEC 61757-3-2:2022 en pr
Svjetlovodni senzori – Dio 3-2: Akustička detekcija i mjerenje vibracija – Distribuirana detekcija (IEC 61757-3-2:2022; EN IEC 61757-3-2:2022)
Fibre Optic Sensors – Part 3-2: Acoustic sensing and vibration measurement – Distributed sensing (IEC 61757-3-2:2022; EN IEC 61757-3-2:2022)

HRN EN IEC 62228-7:2022 en pr
Integrirani krugovi – Procjena elektromagnetske kompatibilnosti (EMC) primopredajnika – 7. dio: Primopredajnici CXPI (IEC 62228-7:2022; EN IEC 62228-7:2022)
Integrated circuits – EMC evaluation of transceivers – Part 7: CXPI transceivers (IEC 62228-7:2022; EN IEC 62228-7:2022)

HRN EN IEC 63138-3:2022 en pr
Višekanalni radiofrekvencijski konektori – 3. dio: Sekcijska specifikacija za kružne konektore serije MQ5 (IEC 63138-3:2022; EN IEC 63138-3:2022)
Multi-channel radio frequency connectors – Part 3: Sectional specification for MQ5 series circular connectors (IEC 63138-3:2022; EN IEC 63138-3:2022)

HRN EN IEC 63295:2022 en pr
Specifikacija za staklena zrnca serije WB s impedancijom od 50 Ω za RF konektore (IEC 63295:2022; EN IEC 63295:2022)
Specification for WB series glass beads with 50 Ω impedance for RF connectors (IEC 63295:2022; EN IEC 63295:2022)

HZNTU W1, Energetska elektrotehnika 1

HRN EN IEC 62660-3:2022 en pr
Sekundarni litij-ionski članci za pogon električnih cestovnih vozila – 3. dio: Sigurnosni zahtjevi (IEC 62660-3:2022; EN IEC 62660-3:2022)
Secondary lithium-ion cells for the propulsion of electric road vehicles – Part 3: Safety requirements (IEC 62660-3:2022; EN IEC 62660-3:2022)

HRN EN 62841-1:2015/A11:2022 en pr
Ručni elektromotorni alati, prijenosni alati i mehanizacija za travnjake i vrtove – Sigurnost – 1. dio: Opći zahtjevi (EN 62841-1:2015/A11:2022)
Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 1: General requirements (EN 62841-1:2015/A11:2022)

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 5, *Metalne cijevi i priključci*

prEN 14585-1 rev en
Corrugated metal hose assemblies for pressure applications
Sastavni dijelovi valovitih metalnih cijevi za primjenu pod tlakom

HZN/TO 8, *Brodogradnja*

prEN 13281 en
Inland navigation vessels – Safety requirements for walkways and working places
Plovila unutarnje plovidbe – Zahtjevi za sigurnost za prolaze i radna mjesta

HZN/TO 21, *Protupožarna i vatrogasna oprema*

prEN 1846-2 en
Firefighting and rescue service vehicles – Part 2: Common requirements – Safety and performance
Vozila za gašenje požara i spašavanje – 2. dio: Opći zahtjevi – Sigurnost i svojstva

prEN 14972-6 en
Fixed firefighting systems – Water mist systems – Part 6: Test protocol for false floors and false ceilings for automatic nozzle systems
Stabilni protupožarni sustavi – Sustavi vodene magle – 6. dio: Protokol ispitivanja za lažne podove i lažne stropove za sustave s automatskim mlaznicama

prEN 14972-7 en
Fixed firefighting systems – Water mist systems – Part 7: Test protocol for commercial low hazard occupancies for automatic nozzle systems
Stabilni protupožarni sustavi – Sustavi vodene magle – 7. dio: Protokol ispitivanja za komercijalne prostore niske opasnosti za sustave s automatskim mlaznicama

prEN 14972-11 en
Fixed firefighting systems – Water mist systems – Part 11: Test protocol for cable tunnels for open nozzle systems
Stabilni protupožarni sustavi – Sustavi vodene magle – 11. dio: Protokol ispitivanja za kabelaške tunele za sustave otvorenih mlaznica

prEN 14972-17 en
Fixed firefighting systems – Water mist systems – Part 17: Test protocol for residential occupancies for automatic nozzle systems
Stabilni protupožarni sustavi – Sustavi vodene magle – 17. dio: Protokol ispitivanja za rezidencijalne prostore za sustave s automatskim mlaznicama

HZN/TO 23, *Traktori i strojevi za poljoprivredu i šumarstvo*

prEN ISO 4254-19 en
Agricultural machinery – Safety – Part 19: Feed mixing machines (ISO/DIS 4254-19:2022)
Poljoprivredna mehanizacija – Sigurnost – 19. dio: Strojevi za miješanje stočne hrane (ISO/DIS 4254-19:2022)

HZN/TO 28, *Naftni proizvodi i maziva*

prEN 16906 en
Liquid petroleum products – Determination of the ignition quality of diesel fuels – Fixed compression ratio engine method

HZN/TO 34, *Poljoprivredni i prehrambeni proizvodi*

prEN ISO 8586 en
Sensory analysis – General guidelines for the selection, training and monitoring of selected assessors and expert sensory assessors (ISO/DIS 8586:2022)
Senzorske analize – Opće upute za odabir, izobrazbu i praćenje odabranih ispitivača i stručnih senzorskih ispitivača (ISO/DIS 8586:2022)

HZN/TO 44, *Zavarivanje i srodni postupci*

prEN ISO 3581 en
Welding consumables – Covered electrodes for manual metal arc welding of stainless and heat-resisting steels – Classification (ISO/DIS 3581:2022)
Dodatni i potrošni materijali za zavarivanje – Obložene elektrode za ručno elektrolučno zavarivanje nehrđajućih i vatrootpornih čelika – Razredba (ISO/DIS 3581:2022)

HZN/TO 71, *Beton*

prEN 17678-2 en
Installation of post-tensioned kits for prestressing of structures – Part 2: Assessment of personnel
Ugradnja sklopova za naknadno napinjanje za prednapinjanje konstrukcija – 2. dio: Ocjenjivanje osoblja

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

prEN ISO 6369 en
Ice makers for commercial use – Classification, requirements and test conditions (ISO/DIS 6369:2022)
Ledomati za komercijalnu upotrebu – Klasifikacija, zahtjevi i uvjeti ispitivanja (ISO/DIS 6369:2022)

HZN/TO 92, *Zaštita od požara*

prEN 1364-6 en
Fire resistance tests for non-loadbearing elements – Part 6: Cavity barriers
Ispitivanja otpornosti na požar nenosivih elemenata – 6. dio: Barijere u šuplinama

HZN/TO 121, *Anestetička i respiracijska oprema*

prEN ISO 80601-2-72 en
Medical electrical equipment – Part 2-72: Particular requirements for basic safety and essential performance of home healthcare environment ventilators for ventilator-dependent patients (ISO/DIS 80601-2-72:2022)
Medicinska električna oprema – Dio 2-72: Posebni zahtjevi za osnovnu sigurnost i nužne značajke uređaja za potporu disanju u kućnoj zdravstvenoj njezi kod pacijenata ovisnih o respiratoru (ISO/DIS 80601-2-72:2022)

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

FprCEN/TS 17152-3 en
Plastics piping systems for non-pressure underground conveyance and storage of non-potable water – Boxes used for infiltration, attenuation and storage systems – Part 3: Assessment of conformity
Plastični cijevni sustavi za netlačnu podzemnu odvodnju i akumulaciju nepitke vode – Spremnici za sustave ispuštanja, privremene i trajne akumulacije – 3. dio: Ocjenjivanje sukladnosti

HZN/TO 163, *Toplinska izolacija*

prEN ISO 52016-3 en
Energy performance of buildings – Energy needs for heating and cooling, internal temperatures and sensible and latent heat loads – Part 3: Calculation procedures regarding adaptive building envelope elements (ISO/DIS 52016-3:2022)

HZN/TO 172, *Optika i optički instrumenti*

ISO 9211-4:2022 en
Optics and photonics – Optical coatings – Part 4: Specific test methods: abrasion, adhesion and resistance to water
Optika i fotonika – Optički slojevi – 4. dio: Posebne metode ispitivanja: abrazija, prijanjanje i otpornost na vodu

ISO 10934:2020 en
Microscopes – Vocabulary for light microscopy
Mikroskopi – Terminološki rječnik optičke mikroskopije

ISO 14132-3:2021 en
Optics and photonics – Vocabulary for telescopic systems
– Part 3: Terms for telescopic sights
Optika i fotonika – Rječnik naziva za dalekozorne sustave
– 3. dio: Nazivlje za optičke ciljnike

HZN/TO 182, Geotehničke konstrukcije

prEN ISO 22476-5 en
Geotechnical investigation and testing – Field testing
– Part 5: Prebored pressuremeter test (ISO/DIS 22476-5:2022)
Geotehničko istraživanje i ispitivanje – Terensko
ispitivanje – 5. dio: Ispitivanje savitljivim dilatometrom
(ISO/DIS 22476-5:2022)

prEN ISO 22477-2 en
Geotechnical investigation and testing – Testing of
geotechnical structures – Part 2: Testing of piles: static
tension load testing (ISO/DIS 22477-2:2022)
Geotehničko istraživanje i ispitivanje – Ispitivanje geotehničkih
konstrukcija – 2. dio: Ispitivanje pilota statičkim vlačnim
opterećenjem (ISO/DIS 22477-2:2022)

HZN/TO 238, Čvrsta biogoriva

prEN ISO 17225-8 en
Solid biofuels – Fuel specifications and classes – Part 8:
Graded thermally treated and densified biomass fuels for
commercial and industrial use (ISO/DIS 17225-8:2022)

ISO/DIS 20048-2 en
Solid biofuels – Determination of off-gassing and oxygen
depletion characteristics – Part 2: Operational method for
screening of carbon monoxide off-gassing
Čvrsta biogoriva – Određivanje karakteristika otplinjavanja
i potrošnje kisika – 2. dio: Operativna metoda za praćenje
otpuštanja ugljičnog monoksida

HZN/TO 503, Metalni materijali

prEN ISO 683-17 en
Heat-treated steels, alloy steels and free-cutting steels
– Part 17: Ball and roller bearing steels (ISO/DIS 683-17:2022)
Toplinski obrađeni čelici, legirani čelici i čelici za obradu na
automatima – 17. dio: Čelici za kuglične i valjkaste ležaje
(ISO/DIS 683-17:2022)

prEN ISO 3252 en
Powder metallurgy – Vocabulary (ISO/DIS 3252:2022)
Metalurgija praha – Terminološki rječnik (ISO/DIS 3252:2022)

EN 10025-4:2019/prA1 en
Hot rolled products of structural steels – Part 4: Technical
delivery conditions for thermomechanical rolled weldable fine
grain structural steels
Toplo valjani proizvodi od konstrukcijskih čelika – 4. dio:
Tehnički uvjeti isporuke za termomehanički valjane zavarljive
sitnozrnate konstrukcijske čelike

EN 10025-6:2019/prA1 en
Hot rolled products of structural steels – Part 6: Technical
delivery conditions for flat products of high yield strength
structural steels in the quenched and tempered condition
Toplo valjani proizvodi od konstrukcijskih čelika – 6. dio:
Tehnički uvjeti isporuke za plosnate proizvode od
konstrukcijskih čelika s visokom granicom razvlačenja u
poboljšanome stanju

EN 10225-3:2019/prA1 en
Weldable structural steels for fixed offshore structures
– Technical delivery conditions – Part 3: Hot finished hollow
sections
Zavarljivi konstrukcijski čelici za nepomične odobalne
konstrukcije – Tehnički uvjeti isporuke – 3. dio: Toplo
oblikovani šuplji profili

prEN 10242 en
Threaded pipe fitting in malleable cast iron
Navojna cijevna armatura od tempernoga lijeva

prEN 10284 en
Malleable cast iron fittings with compression ends for
polyethylene (PE) piping systems
Armatura od tempernoga lijeva sa sažetim krajevima za
polietilenske (PE) cijevne sustave

prEN 10344 en
Malleable cast iron fittings with compression ends for steel
pipes
Armatura od tempernoga lijeva sa sažetim krajevima za
čelične cijevi

HZN/TO 513, Mjerne jedinice i mjerila

ISO 3716:2021 en
Hydrometry – Functional requirements and characteristics
of suspended-sediment samplers
Hidrometrija – Operativni zahtjevi i značajke ovjesne opreme
za uzorkovanje suspendiranog nanosa

ISO 13319-1:2021 en
Determination of particle size distribution – Electrical sensing
zone method – Part 1: Aperture/orifice tube method
Određivanje raspodjele veličine čestica – Metoda područne
električne osjetljivosti – 1. dio: Metoda cijevi s prigušnicom

ISO 13322-2:2021 en
Particle size analysis – Image analysis methods – Part 2:
Dynamic image analysis methods
Analiza veličine čestica – Metode zrcalne analize – 2. dio:
Metode dinamičke zrcalne analize

ISO 15901-2:2022 en
Pore size distribution and porosity of solid materials by
mercury porosimetry and gas adsorption – Part 2: Analysis of
nanopores by gas adsorption
Raspodjela veličine pora i poroznost krutih materijala
dobivena živinim porozimetrom i plinskom adsorpcijom
– 2. dio: Analiza nanopora plinskom adsorpcijom

HZN/TO 521, Usluge održavanja

prEN 17840 en
Performance and condition assessment for buildings and
civil engineering works – Framework for assessment within
physical asset management

HZN/TO 522, Karakterizacija i zbrinjavanje otpada

prEN 16194 en
Mobile non-sewer-connected toilet cabins – Requirements of
services and products relating to the deployment of cabins
and sanitary products
Pokretne WC kabine koje nisu spojene na kanalizaciju
– Zahtjevi za kabine i sanitarne proizvode i s njima povezane
usluge

HZN/TO 524, Inteligentni transportni sustavi

prEN ISO 12813 en
Electronic fee collection – Compliance check communication
for autonomous systems (ISO/DIS 12813:2022)
Elektronička naplata – Komunikacija provjere sukladnosti za
autonomne sustave (ISO/DIS 12813:2022)

FprCEN/TR 17868 en
Intelligent transport systems – Mobility Integration
– Standardised European ITS communications and
information protocols
Inteligentni transportni sustavi – Integracija mobilnosti
– Normirani europski komunikacijski i informacijski protokoli
ITS-a

prEN ISO 21177 en
Intelligent transport systems – ITS station security services
for secure session establishment and authentication between
trusted devices (ISO/DIS 21177:2022)
Inteligentni transportni sustavi – Sigurnosne usluge ITS
stanice za sigurno uspostavljanje sesije i provjeru autentičnosti
između pouzdanih uređaja (ISO/DIS 21177:2022)

HZN/TO 528, Oprema za željeznice

prEN 13979-1 en
Railway applications – Wheelsets and bogies – Monobloc
Wheels – Technical approval procedure – Part 1: Forged and
rolled wheels
Željeznički sustav – Osovinski sklopovi i okretna postolja
– Monoblok kotači – Postupak tehničkog odobravanja
– 1. dio: Kovani i valjani kotači

prEN 15016-1 en
Railway applications – Technical documents – Part 1: General
principles

prEN 15016-2 en
Railway applications – Technical documents – Part 2: Parts
lists

prEN 15016-3 en
Railway applications – Technical documents – Part 3:
Handling of modifications of technical documents

prEN 15313 en
Railway applications – In-service wheelset operation requirements – In-service and off-vehicle wheelset maintenance
Željeznički sustav – Zahtjevi za osovinske sklopove u uporabi – Održavanje osovinskih sklopova u uporabi i skladištenju

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

ISO 4301-3:2021 en
Cranes – Classification – Part 3: Tower cranes

ISO 7752-5:2021 en
Cranes – Control layout and characteristics – Part 5: Bridge and gantry cranes

ISO 9374-5:2021 en
Cranes – Information to be provided – Part 5: Overhead travelling cranes and portal bridge cranes

ISO 11661:2022 en
Mobile cranes – Presentation of rated capacity charts

HZN/TO 530, Remenski prijenosi, čelična užad, lanci, kuke za dizalice, trake, omče i pribor

prEN ISO 283 en
Textile conveyor belts – Full thickness tensile strength, elongation at break and elongation at the reference load – Test method (ISO/DIS 283:2022)
Tekstilne transportne trake – Vlačna čvrstoća pri punoj debljini, izduženje pri prekidu i izduženje pri referentnom opterećenju – Metoda ispitivanja (ISO/DIS 283:2022)

HZN/TO 531, Plastika i guma

prEN ISO 179-1 en
Plastics – Determination of Charpy impact properties – Part 1: Non-instrumented impact test (ISO/DIS 179-1:2022)
Plastika – Određivanje svojstava žilavosti po Charpyju – 1. dio: Ispitivanje žilavosti bez instrumenata (ISO/DIS 179-1:2022)

prEN ISO 180 en
Plastics – Determination of Izod impact strength (ISO/DIS 180:2022)
Plastika – Određivanje savojne žilavosti prema Izodu (ISO/DIS 180:2022)

prEN ISO 6603-2 en
Plastics – Determination of puncture impact behaviour of rigid plastics – Part 2: Instrumented impact testing (ISO/DIS 6603-2:2022)

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

prEN 17839 en
Glass in building – Glazing and airborne sound insulation – Validation procedure for calculation tools
Staklo u graditeljstvu – Ostakljenje i izolacija od zvuka prenošenog zrakom – Postupak validacije proračunskih alata

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

prEN ISO 128-3 en
Technical product documentation (TPD) – General principles of representation – Part 3: Views, sections and cuts (ISO/FDIS 128-3:2022)
Tehnička dokumentacija proizvoda – Osnovna načela prikazivanja – 3. dio: Pogledi, presjeci i rezovi (ISO/FDIS 128-3:2022)

HZN/TO 543, Poštanske usluge

prEN 14534 en
Postal services – Quality of service – Measurement of the transit time of end-to-end services for bulk mail
Poštanske usluge – Kvaliteta usluga – Mjerenje vremena prijema pošiljaka u velikim količinama od prijama do uručanja

prEN 17837 en
Postal Services – Parcel Delivery Environmental Footprint – Methodology for calculation and declaration of GHG emissions and air pollutants of parcel logistics delivery services

HZN/TO 544, Strojni elementi

prEN ISO 4032 en
Fasteners – Hexagon regular nuts (style 1) (ISO/DIS 4032:2022)
Spojni elementi – Šesterokutne matice (tip 1) (ISO/DIS 4032:2022)

prEN ISO 4033 en
Fasteners – Hexagon high nuts (style 2) (ISO/DIS 4033:2022)
Spojni elementi – Šesterokutne visoke matice (tip 2) (ISO/DIS 4033:2022)

prEN ISO 4035 en
Fasteners – Hexagon thin nuts (style 0) (ISO/DIS 4035:2022)
Spojni elementi – Šesterokutne niske matice (tip 0) (ISO/DIS 4035:2022)

prEN ISO 8673 en
Fasteners – Hexagon regular nuts (style 1), with fine pitch thread (ISO/DIS 8673:2022)
Spojni elementi – Šesterokutne matice (tip 1) s finim navojem (ISO/DIS 8673:2022)

prEN ISO 8674 en
Fasteners – Hexagon high nuts (style 2), with fine pitch thread (ISO/DIS 8674:2022)
Spojni elementi – Šesterokutne visoke matice (tip 2) s finim navojem (ISO/DIS 8674:2022)

prEN ISO 8675 en
Fasteners – Hexagon thin nuts (style 0), with fine pitch thread (ISO/DIS 8675:2022)
Spojni elementi – Šesterokutne niske matice (tip 0) s finim navojem (ISO/DIS 8675:2022)

HZN/TO 550, Opskrba vodom

prEN 805 en
Water supply – Requirements for systems and components outside buildings
Opskrba vodom – Zahtjevi za sustave i dijelove izvan zgrada

prEN 17818 en
Devices for in-situ generation of biocides – Active chlorine generated from sodium chloride by electrolysis

prEN 17841 en
Chemicals used for treatment of water intended for human consumption – Antifouling for membranes – Sulfamic acid

HZN/TO 553, Predgotovljeni proizvodi

prEN 17808 en
Precast concrete products – Essential characteristics
Predgotovljeni betonski proizvodi – Bitne značajke

HZN/TO 562, Alatni strojevi i alati

prEN ISO 23582-1 en
Plastics and rubber machines – Clamping systems – Part 1: Safety requirements for magnetic clamping systems (ISO/DIS 23582-1:2022)
Strojevi za gumu i plastiku – Sustavi za stezanje – 1. dio: Sigurnosni zahtjevi za magnetske sustave za stezanje (ISO/DIS 23582-1:2022)

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

prEN ISO 20957-2 en
Stationary training equipment – Part 2: Strength training equipment, additional specific safety requirements and test methods (ISO/DIS 20957-2:2022)
Nepomična oprema za vježbanje – 2. dio: Sprava za trening snage, dodatni posebni sigurnosni zahtjevi i metode ispitivanja (ISO/DIS 20957-2:2022)

prEN ISO 20957-7 en
Stationary training equipment – Part 7: Rowing equipment, additional specific safety requirements and test methods (ISO/DIS 20957-7:2022)
Nepomična oprema za vježbanje – 7. dio: Veslački ergometar, dodatni posebni sigurnosni zahtjevi i metode ispitivanja (ISO/DIS 20957-7:2022)

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

ISO 10017:2021 en
Quality management – Guidance on statistical techniques for ISO 9001:2015
Upute za statističke tehnike za ISO 9001:2015

ISO/TS 54001:2019 en
Quality management systems – Particular requirements for the application of ISO 9001:2015 for electoral organizations at all levels of government
Sustavi upravljanja kvalitetom – Posebni zahtjevi primjene ISO 9001:2015 za organizacije koje provode izbore na svim razinama državne uprave

prEN ISO 56007 en
Innovation management – Tools and methods for idea management – Guidance (ISO/DIS 56007:2022)

HZN/TO 582, Informacijska sigurnost i upravljanje kontinuitetom poslovanja

EN ISO/IEC 29134:2020/prA1 en
Information technology – Security techniques – Guidelines for privacy impact assessment (ISO/IEC 29134:2017/am1)
Informacijska tehnologija – Sigurnosne tehnike – Smjernice za procjenu utjecaja na privatnost (ISO/IEC 29134:2017/am1)

HZN/TO E36, Izolatori

prEN IEC 60383-1:2022 en
Insulators for overhead lines with a nominal voltage above 1000 V – Part 1: Ceramic or glass insulator units for a.c. systems – Definitions, test methods and acceptance criteria (IEC 60383-1 ED5)
Izolatori za nadzemne vodove nazivnog napona iznad 1 000 V – 1. dio: Keramički ili stakleni izolatorski članci za izmjenične sustave – Definicije, metode ispitivanja i kriteriji prihvatanja (IEC 60383-1 ED5)

HZN/TO E45, Nuklearna instrumentacija

prEN IEC 61031:2022 en
Nuclear facilities – Instrumentation and control systems – Design, location and application criteria for installed area gamma radiation dose rate monitoring equipment for use during normal operation and anticipated operational occurrences (IEC 61031:2020)
Nuklearna postrojenja – Instrumentacija i kontrolni sustavi – Kriteriji projektiranja, smještaja i primjene instalirane opreme za prostorno praćenje brzina doza gama zračenja za uporabu tijekom normalnog rada i očekivanih operativnih odstupanja (IEC 61031:2020)

prEN IEC 62988:2022 en
Nuclear power plants – Instrumentation and control systems important to safety – Selection and use of wireless devices (IEC 62988:2018)
Nuklearne elektrane – Instrumentacija i kontrolni sustavi važni za sigurnost – Odabir i uporaba bežičnih uređaja (IEC 62988:2018)

HZN/TO E62, Električna oprema u medicinskoj praksi

EN IEC 60601-2-2:2018/prA1:2022 en
Medical electrical equipment – Part 2-2: Particular requirements for the basic safety and essential performance of high frequency surgical equipment and high frequency surgical accessories (IEC 60601-2-2/am1 ED6)
Medicinska električna oprema – Dio 2-2: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke visokofrekvencijskih kirurških uređaja i visokofrekvencijskih kirurških pribora (IEC 60601-2-2/am1 ED6)

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

FprHD 60364-8-82:2022 en
Low-voltage electrical installations – Part 8-82: Functional aspects – Prosumer's low-voltage electrical installations
Niskonaponske električne instalacije – Dio 8-82: Funkcionalni aspekti – Niskonaponske električne instalacije potrošača-proizvođača

HZN/TO E81, Zaštita od munje

prEN IEC 62561-4:2022 en
Lightning protection system components (LPSC) – Part 4: Requirements for conductor fasteners (IEC 62561-4 ED3)
Komponente sustava zaštite od munje (LPSC) – 4. dio: Zahtjevi za držače vodiča (IEC 62561-4 ED3)

HZN/TO E500, Elektromagnetska kompatibilnost u elektrotehnici i telekomunikacijama

prEN IEC 61000-4-6:2022 en
Electromagnetic compatibility (EMC) – Part 4-6: Testing and measurement techniques – Immunity to conducted disturbances, induced by radio-frequency fields (IEC 61000-4-6 ED5)
Elektromagnetska kompatibilnost (EMC) – Dio 4-6: Ispitne i mjerne tehnike – Ispitivanje otpornosti na vodene smetnje nastale djelovanjem radiofrekvencijskih polja (IEC 61000-4-6 ED5)

HZN/TO T4, Normizacija u telekomunikacijama

Final Draft EN 303 447 V1.3.1:2022 en
Short Range Devices (SRD) – Harmonised Standard for access to radio spectrum – Inductive loop systems for robotic mowers operating within the frequency range 100 Hz to 148,5 kHz
Uređaji kratkoga dometa (SRD) – Harmonizirana norma za pristup radijskom spektru – Sustavi s induktivnom petljom za robotizirane uređaje za košnju koji rade u frekvencijskom pojasu od 100 Hz do 148,5 kHz

Draft EN 303 687 V1.0.0:2022 en
6 GHz WAS/RLAN – Harmonised Standard for access to radio spectrum
6 GHz WAS/RLAN – Harmonizirana norma za pristup radijskom spektru

HZN/TO Z2, Ocjenjivanje sukladnosti i akreditacija

prEN ISO/IEC 17043 en
Conformity assessment – General requirements for proficiency testing (ISO/IEC/DIS 17043:2022)
Ocjenjivanje sukladnosti – Opći zahtjevi za ispitivanje sposobnosti (ISO/IEC/DIS 17043:2022)

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

prEN ISO 1518-1 en
Paints and varnishes – Determination of scratch resistance – Part 1: Constant-loading method (ISO/DIS 1518-1:2022)
Boje i lakovi – Određivanje otpornosti na grebanje – 1. dio: Metoda konstantnog opterećenja (ISO/DIS 1518-1:2022)

prEN ISO 2811-1 en
Paints and varnishes – Determination of density – Part 1: Pycnometer method (ISO/DIS 2811-1:2022)
Boje i lakovi – Određivanje gustoće – 1. dio: Metoda s piknometrom (ISO/DIS 2811-1:2022)

prEN ISO 7784-1 en
Paints and varnishes – Determination of resistance to abrasion – Part 1: Method with abrasive-paper covered wheels and rotating test specimen (ISO/DIS 7784-1:2022)
Boje i lakovi – Određivanje otpornosti na habanje – 1. dio: Metoda s kotačima pokrivenim abrazivnim papirom i rotirajućim ispitnim uzorkom (ISO/DIS 7784-1:2022)

prEN ISO 7784-2 en
Paints and varnishes – Determination of resistance to abrasion – Part 2: Method with abrasive rubber wheels and rotating test specimen (ISO/DIS 7784-2:2022)
Boje i lakovi – Određivanje otpornosti na habanje – 2. dio: Metoda s abrazivnim gumenim kotačima i rotirajućim ispitnim uzorkom (ISO/DIS 7784-2:2022)

prEN ISO/CIE/DIS 11664-6 en
Colorimetry – Part 6: CIEDE2000 Colour-difference formula (ISO/CIE FDIS- 11664-6:2022)
Kolorimetrija – 6. dio: Formula CIEDE2000 za izračunavanje kolorimetrijske razlike (ISO/CIE FDIS- 11664-6:2022)

HZN/TU I2, Strojstvo 2

prEN 1860-2 en
Appliances, solid fuels and firelighters for barbecuing
– Part 2: Barbecue charcoal and barbecue charcoal briquettes
– Requirements and test methods
Aparati, kruta goriva i sredstva za potpalu za roštiljanje – 2. dio:
Ugljen i ugljeni briketi za roštilje – Zahtjevi i metode ispitivanja

prEN 1860-3 en
Appliances, solid fuels and firelighters for barbecuing
– Part 3: Firelighters for igniting solid fuels for use in barbecues
and grill applications – Requirements and test methods
Aparati, kruta goriva i sredstva za potpalu za roštiljanje
– 3. dio: Sredstva za potpalu krutih goriva koja se
upotrebljavaju u roštiljima – Zahtjevi i metode ispitivanja

prEN 1860-4 en
Appliances, solid fuels and firelighters for barbecuing
– Part 4: Single use barbecues burning solid fuels
– Requirements and test methods
Aparati, kruta goriva i sredstva za potpalu za roštiljanje
– 4. dio: Roštilji na kruta goriva za jednokratnu uporabu
– Zahtjevi i ispitne metode

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

prEN ISO 3990 en
Dentistry – Evaluation of antibacterial activity of dental
restorative materials, luting cements, fissure sealants and
orthodontic bonding or luting materials (ISO/DIS 3990:2022)
Stomatologija – Procjena antibakterijske aktivnosti
stomatoloških restorativnih materijala, cementa za ispunu,
smola za pečaćenje fisura te ortodontskih materijala za
adheziju i ispunu (ISO/DIS 3990:2022)

prEN ISO 7439 en
Copper-bearing contraceptive intrauterine devices – Requirements
and tests (ISO/DIS 7439:2022)
Kontracepcijski intrauterini ulošci s bakrom – Zahtjevi i
ispitivanja (ISO/DIS 7439:2022)

prEN ISO 13078-3 en
Dentistry – Dental furnace – Part 3: Test method for evaluation
of high temperature sintering furnace measurement with
separate thermocouple (ISO/DIS 13078-3:2022)
Stomatologija – Zubotehnička peć za žarenje – 3. dio:
Metoda ispitivanja za vrednovanje mjerenja
visokotemperaturnih peći za sinteriranje s odvojenim
termočlankom (ISO/DIS 13078-3:2022)

prEN ISO 22523 en
External limb prostheses and external orthoses
– Requirements and test methods (ISO/DIS 22523:2022)
Vanjske proteze za ekstremitete i vanjske ortoze – Zahtjevi i
metode ispitivanja (ISO/DIS 22523:2022)

prEN ISO 23401-1 en
Dentistry – Chairside denture base relining materials
– Part 1: Hard type materials (ISO/DIS 23401-1:2022)
Stomatologija – Materijali za podlaganje baze proteze
unutar stomatološke ordinacije – 1. dio: Tvrdi materijali
(ISO/DIS 23401-1:2022)

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

FprEN 2282 en
Aerospace series – Characteristics of aircraft electrical supplies
Zrakoplovstvo – Značajke električnih napajanja zrakoplova

prEN 2591-508 en
Aerospace series – Elements of electrical and optical
connection – Part 508: Measurement of thickness of coating
on contacts – Test methods

prEN 2591-509 en
Aerospace series – Elements of electrical and optical
connection – Part 509: Adhesion of coating on contacts
– Test methods

prEN 2997-004 en
Aerospace series – Connectors, electrical, circular, coupled
by threaded ring, fire-resistant or non fire-resistant, operating
temperatures –65 °C to 175 °C continuous, 200 °C continuous,
260 °C peak – Part 004: Jam-nut mounted receptacle
– Product standard
Zrakoplovstvo – Spojnice, električne, kružne, opremljene
s navojnim prstenom, otporne na vatru ili neotporne na
vatru, radne temperature -65 °C do 175 °C neprekidno,
200 °C neprekidno, 260 °C vršno – 004. dio: Utičnica s kontra
maticom – Norma za proizvod

prEN 2997-006 en
Aerospace series – Connectors, electrical, circular, coupled
by threaded ring, fire-resistant or non fire-resistant, operating
temperatures –65 °C to 175 °C continuous, 200 °C continuous,
260 °C peak – Part 006: Hermetic jam-nut mounted receptacle
– Product standard
Zrakoplovstvo – Spojnice, električne, kružne, opremljene
s navojnim prstenom, otporne na vatru ili neotporne na
vatru, radne temperature -65 °C do 175 °C neprekidno,
200 °C neprekidno, 260 °C vršno – Dio 006: Utičnica s kontra
maticom bez dotoka zraka – Norma za proizvod

EN 3155-075:2022 en
Aerospace series – Electrical contacts used in elements of
connection – Part 075: Contacts, electrical, quadax, size 8,
female, type E, crimp, class R – Product standard
Zrakoplovstvo – Električni kontakti koji se upotrebljavaju u
elementima za povezivanje – 075. dio: Kontakti, električni,
kvadratni, veličina 8, ženski, tip E, za krimpanje, razreda R
– Norma za proizvod

FprEN 3557 en
Aerospace series – Aluminium alloy AL-P6061-T4 – Drawn
tube for pressure applications – 0,6 mm ≤ a ≤ 3 mm

prEN 3628 en
Aerospace series – Lockwire, drawn – Corrosion resisting
steel

FprEN 3656 en
Aerospace series – Polycarbonate, self-extinguishing, low
smoke emission – Characteristics

FprEN 3675 en
Aerospace series – Sampling plan for acceptance testing of
aramid, carbon fibre and textile glass filament yarns

FprEN 3700 en
Aerospace series – Static inverters for aircraft – Technical
specification

prEN 3745-306 en
Aerospace series – Fibres and cables, optical, aircraft use
– Test methods – Part 306: Variation of attenuation during
temperature cycling
Zrakoplovstvo – Vlakna i kabeli, optički, za zrakoplove
– Metode ispitivanja – 306. dio: Promjene slabljenja tijekom
temperaturnog ciklusa

EN 3745-412:2022 en
Aerospace series – Fibres and cables, optical, aircraft use
– Test methods – Part 412: Humidity resistance
Zrakoplovstvo – Vlakna i kabeli, optički, za zrakoplove
– Metode ispitivanja – 412. dio: Otpornost na vlagu

FprEN 3758 en
Aerospace series – Simplex high speed data transmission
system

FprEN 3762 en
Aerospace series – Heat-resisting alloy X6NiCrTiMnMoV26-15
(1.4944) – Softened and cold worked – Wire for forged
fasteners – D ≤ 15 mm – 1 100 MPa ≤ Rm ≤ 1 300 MPa

FprEN 4165-002 en
Aerospace series – Connectors, electrical, rectangular,
modular – Operating temperature 175 °C continuous
– Part 002: Specification of performance and contact
arrangements
Zrakoplovstvo – Spojnice, električne, pravokutne, modularne
– Stalna radna temperatura 175 °C – Dio 002: Specifikacije
značajki i položaj kontakta

FprEN 4374 en
Aerospace series – Heat-resisting alloy NI-PH1301
(NiCr19Co18Mo4Ti3Al3) – Solution treated and precipitation
treated - Bars and sections – De ≤ 200 mm

prEN 4703 en
Aerospace series – Test specification for verification of the
permeability of electrical insulation

FprEN 4708-201 en
Aerospace series – Sleeves, heat-shrinkable, for binding,
insulation and identification – Part 201: Polyolefin identification
sleeves – Operating Temperature range -55 °C to 135 °C
– Product standard

FprEN 4708-203 en

Aerospace series – Sleeving, heat-shrinkable, for binding, insulation and identification – Part 203: polyvinylidene fluoride (PVDF) Identification sleeves – Operating Temperature range -55°C to 225°C – Product Standard

EN 6059-401:2022 en

Aerospace series – Electrical cables, installation – Protection sleeves – Test methods – Part 401: Expansion range

prEN 9116 en

Aerospace Series – Supplier Notice of Change (NOC)

HZN/TU V1, Elektronika 1

prEN IEC 61340-4-7:2022 en

Electrostatics – Part 4-7: Standard test methods for specific applications – Ionization (IEC 61340-4-7 ED3)
Elektrostatika – Dio 4-7: Standardne metode ispitivanja za posebne primjene – Ionizacija (IEC 61340-4-7 ED3)

prEN IEC 61744:2022 en

Calibration of fibre optic chromatic dispersion test sets
Kalibracija setova za ispitivanje kromatske disperzije optičkih vlakana

EN 62007-1:2015/prA1:2022 en

Semiconductor optoelectronic devices for fibre optic system applications – Part 1: Specification template for essential ratings and characteristics (IEC 62007-1/AMD1 ED3)

EN 62148-12:2004/prA1:2022 en

Fibre optic active components and devices – Package and interface standards – Part 12: Laser transmitters with a coaxial RF connector (IEC 62148-12/am1 ED1)
Aktivne svjetlovodne komponente i uređaji – Norme za kućišta i sučelja – 12. dio: Laserski odašiljači s koaksijalnim RF konektorom (IEC 62148-12/am1 ED1)

prEN IEC 63345:2022 en

Energy Efficiency Systems – Simple External Consumer Display (IEC 63345 ED1)
Sustavi energetske učinkovitosti – Jednostavan vanjski zaslon za korisnika (IEC 63345 ED1)

HZN/TU W1, Energetska elektrotehnika 1

prEN 50292:2022 en

Electrical apparatus for the detection of carbon monoxide in domestic premises, caravans and boats – Guide on the selection, installation, use and maintenance
Električna oprema za otkrivanje ugljičnog monoksida u kućanskim prostorima, kamperima i brodovima – Vodič za odabir, instalaciju, upotrebu i održavanje

prEN IEC 60127-1:2022 en

Miniature fuses – Part 1: Definitions for miniature fuses and general requirements for miniature fuse-links (IEC 60127-1 ED3)
Minijaturni osigurači – 1. dio: Definicije za minijaturne osigurače i opći zahtjevi za minijaturne rastalne uloške (IEC 60127-1 ED3)

prEN IEC 62146-2:2022 en

Grading capacitors for high-voltage alternating current circuit-breakers – Part 2: TRV capacitors (IEC 62146-2 ED1)
Kondenzatori za raspodjelu napona za visokonaponske izmjenične prekidače – 2. dio: TRV kondenzatori (IEC 62146-2 ED1)

1.4 Povučene hrvatske norme

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

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

HZN/TO 6, Papir, karton i pulpe

HRN EN ISO 638-1:2021 en

Papir, karton, pulpa i celulozni nanomaterijali – Određivanje udjela suhog sadržaja – Metoda sušenja u pećnici – 1. dio: Materijali u krutom obliku (ISO 638-1:2021; EN ISO 638-1:2021)
Paper, board, pulps and cellulosic nanomaterials – Determination of dry matter content – Oven-drying method – Part 1: Materials in solid form (ISO 638-1:2021; EN ISO 638-1:2021)
- zamijenjena s: HRN EN ISO 638-1:2022

HZN/TO 21, Protupožarna i vatrogasna oprema

HRN EN 12101-6:2008 en

Sustavi za upravljanje dimom i toplinom – 6. dio: Specifikacija sustava diferencijalnog tlaka – Paketi (EN 12101-6:2005+AC:2006)
Smoke and heat control systems – Part 6: Specification for pressure differential systems – Kits (EN 12101-6:2005+AC:2006)
- zamijenjena s: HRN EN 12101-13:2022, HRN EN 12101-6:2022

HZN/TO 28, Naftni proizvodi i maziva

HRN EN 590:2017/NA:2020 hr

Goriva za motorna vozila – Dizelsko gorivo – Zahtjevi i metode ispitivanja – Nacionalni dodatak
Automotive fuels – Diesel – Requirements and test methods – National Annex
- bez zamjene

HRN EN 590:2017/NA:2020/Ispr.1:2020 hr

Goriva za motorna vozila – Dizelsko gorivo – Zahtjevi i metode ispitivanja – Nacionalni dodatak
Automotive fuels – Diesel – Requirements and test methods – National Annex
- bez zamjene

HZN/TO 44, Zavarivanje i srodni postupci

HRN EN ISO 9016:2013 en

Razorna ispitivanja zavarenih spojeva na metalnim materijalima – Ispitivanje udarnoga rada loma – Položaj ispitnog uzorka, položaj zarez a i ispitivanje (ISO 9016:2012; EN ISO 9016:2012)
Destructive tests on welds in metallic materials – Impact tests – Test specimen location, notch orientation and examination (ISO 9016:2012; EN ISO 9016:2012)
- zamijenjena s: HRN EN ISO 9016:2022

HZN/TO 120, Koža i obuća

HRN EN ISO 5402-1:2017 en

Koža – Određivanje otpornosti na svijanje – 1. dio: Metoda fleksometrom (ISO 5402-1:2017; EN ISO 5402-1:2017)
Leather – Determination of flex resistance – Part 1: Flexometer method (ISO 5402-1:2017; EN ISO 5402-1:2017)
- zamijenjena s: HRN EN ISO 5402-1:2022

HZN/TO 126, Duhani i duhanski proizvodi

HRN EN ISO 12863:2011 en

Standardna ispitna metoda za ocjenjivanje svojstva zapaljivosti cigareta (ISO 12863:2010+Cor 1:2011; EN ISO 12863:2010+AC:2011)
Standard test method for assessing the ignition propensity of cigarettes (ISO 12863:2010+Cor 1:2011; EN ISO 12863:2010+AC:2011)
- zamijenjena s: HRN EN ISO 12863:2022

HRN EN ISO 12863:2011/A1:2016 en

Standardna ispitna metoda za ocjenjivanje svojstva zapaljivosti cigareta (ISO 12863:2010/Amd 1:2016; EN ISO 12863:2010/A1:2016)
Standard test method for assessing the ignition propensity of cigarettes (ISO 12863:2010/Amd 1:2016; EN ISO 12863:2010/A1:2016)
- zamijenjena s: HRN EN ISO 12863:2022

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

HRN EN ISO 3459:2015 en

Plastični cijevni sustavi – Mehanički spojevi spojnica i tlačnih cijevi – Metoda ispitivanja nepropusnosti pod negativnim tlakom (ISO 3459:2015; EN ISO 3459:2015)
Plastic piping systems – Mechanical joints between fittings and pressure pipes – Test method for leaktightness under negative pressure (ISO 3459:2015; EN ISO 3459:2015)
- zamijenjena s: HRN EN ISO 3459:2022

HRS CEN/TS 14541:2013 en

Plastične cijevi i spojnice za netlačne primjene – Karakteristike za uporabu PVC-U, PP i PE materijala koji nije primarnoga podrijetla (CEN/TS 14541:2013)
Plastics pipes and fittings – Characteristics for utilisation of non-virgin PVC-U, PP and PE materials (CEN/TS 14541:2013)
- zamijenjena s: HRN EN 14541-1:2022

HRS CEN/TS 17176-3:2019 en

Plastični cijevni sustavi za opskrbu vodom i podzemnu i nadzemnu tlačnu odvodnju, kanalizaciju i navodnjavanje – Orijentirani neomekšani poli(vinil-klorid) (PVC-O) – 3. dio: Spojnice (CEN/TS 17176-3:2019)
Plastics piping systems for water supply and for buried and above ground drainage, sewerage and irrigation under pressure – Oriented unplasticized poly(vinyl chloride) (PVC-O) – Part 3: Fittings (CEN/TS 17176-3:2019)
- zamijenjena s: HRS CEN/TS 17176-3:2022

HZN/TO 165, *Drvene konstrukcije*

HRN EN 14081-3:2018 en

Drvene konstrukcije – Konstrukcijsko drvo pravokutnoga poprečnog presjeka razvrstano prema čvrstoći – 3. dio: Strojno razvrstavanje, dodatni zahtjevi za kontrolu tvorničke proizvodnje (EN 14081-3:2012+A1:2018)
Timber structures – Strength graded structural timber with rectangular cross section – Part 3: Machine grading, additional requirements for factory production control (EN 14081-3:2012+A1:2018)
- zamijenjena s: HRN EN 14081-3:2022

HRN EN 14592:2012 en

Drvene konstrukcije – Štapasta spajala – Zahtjevi (EN 14592:2008+A1:2012)
Timber structures – Dowel-type fasteners – Requirements (EN 14592:2008+A1:2012)
- zamijenjena s: HRN EN 14592:2022

HZN/TO 181, *Sigurnost igraćaka i proizvodi za djecu*

HRN EN 71-13:2021 en

Sigurnost igraćaka – 13. dio: Mirisne ploče za igru, kozmetički setovi i setovi za kušanje (EN 71-13:2021)
Safety of toys – Part 13: Olfactory board games, cosmetic kits and gustative games (EN 71-13:2021)
- zamijenjena s: HRN EN 71-13:2022

HRN EN 1888-1:2019 en

Proizvodi za dojenčad i malu djecu – Dječja kolica – 1. dio: Sklopiva kolica i kolica za novorođenčad (EN 1888-1:2018)
Child care articles – Wheeled child conveyances – Part 1: Pushchairs and prams (EN 1888-1:2018)
- zamijenjena s: HRN EN 1888-1:2022

HRN EN 13209-1:2021 en

Proizvodi za dojenčad i malu djecu – Dječje nosiljke – Sigurnosni zahtjevi i metode ispitivanja – 1. dio: Ledne nosiljke s krutom konstrukcijom (EN 13209-1:2021)
Child care articles – Child carriers – Safety requirements and test methods – Part 1: Framed back carrier (EN 13209-1:2021)
- zamijenjena s: HRN EN 13209-1:2022

HZN/TO 503, *Metalni materijali*

HRN EN 12020-1:2008 en

Aluminij i aluminijeve legure – Istisnuti precizni profili od legura EN AW-6060 i EN AW-6063 – 1. dio: Tehnički uvjeti za preuzimanje i isporuku (EN 12020-1:2008)
Aluminium and aluminium alloys – Extruded precision profiles in alloys EN AW-6060 and EN AW-6063 – Part 1: Technical conditions for inspection and delivery (EN 12020-1:2008)
- zamijenjena s: HRN EN 12020-1:2022

HZN/TO 504, *Korozija i zaštita metala i legura*

HRN EN ISO 4531:2018 en

Staklasti i porculanski emajli – Otpuštanje iz emajliranih predmeta u dodiru s hranom – Metode ispitivanja i granične vrijednosti (ISO 4531:2018; EN ISO 4531:2018)
Vitreous and porcelain enamels – Release from enamelled articles in contact with food – Methods of test and limits (ISO 4531:2018; EN ISO 4531:2018)
- zamijenjena s: HRN EN ISO 4531:2022

HRN EN 15112:2007 en

Vanjska katodna zaštita zaštitnih cijevi bušotina (EN 15112:2006)
External cathodic protection of well casings (EN 15112:2006)
- zamijenjena s: HRN EN 15112:2022

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

HRN EN ISO 13503-3:2008 en

Industrija nafte i prirodnog plina – Materijali i fluidi za završno opremanje bušotine – 3. dio: Ispitivanje teške slane vode (ISO 13503-3:2005+Cor 1:2006; EN ISO 13503-3:2005+AC:2007)
Petroleum and natural gas industries – Completion fluids and materials – Part 3: Testing of heavy brines (ISO 13503-3:2005+Cor 1:2006; EN ISO 13503-3:2005+AC:2007)
- zamijenjena s: HRN EN ISO 13503-3:2022

HZN/TO 513, *Mjerne jedinice i mjerila*

HRN EN ISO 4373:2009 en

Hidrometrija – Uređaji za mjerenje razine vode (ISO 4373:2008; EN ISO 4373:2008)
Hydrometry – Water level measuring devices (ISO 4373:2008; EN ISO 4373:2008)
- zamijenjena s: HRN EN ISO 4373:2022

HZN/TO 524, *Inteligentni transportni sustavi*

HRN EN ISO 12855:2016 en

Elektronička naplata – Razmjena informacija između pružanja usluge i naplate cestarine (ISO 12855:2015; EN ISO 12855:2015)
Electronic fee collection – Information exchange between service provision and toll charging (ISO 12855:2015; EN ISO 12855:2015)
- zamijenjena s: HRN EN ISO 12855:2022

HZN/TO 531, *Plastika i guma*

HRN EN ISO 8330:2014 en

Gumena i plastična crijeva i crijevni sklopovi – Terminološki rječnik (ISO 8330:2014; EN ISO 8330:2014)
Rubber and plastics hoses and hose assemblies – Vocabulary (ISO 8330:2014; EN ISO 8330:2014)
- zamijenjena s: HRN EN ISO 8330:2022

HRN EN ISO 11358-1:2014 en

Plastika – Termogravimetrija (TG) polimera – 1. dio: Opća načela (ISO 11358-1:2014; EN ISO 11358-1:2014)
Plastics – Thermogravimetry (TG) of polymers – Part 1: General principles (ISO 11358-1:2014; EN ISO 11358-1:2014)
- zamijenjena s: HRN EN ISO 11358-1:2022

HRN EN ISO 18064:2015 en

Plastomerni elastomeri – Nomenklatura i skraćeni nazivi (ISO 18064:2014; EN ISO 18064:2014)
Thermoplastic elastomers – Nomenclature and abbreviated terms (ISO 18064:2014; EN ISO 18064:2014)
- zamijenjena s: HRN EN ISO 18064:2022

HRN EN ISO 18752:2016 en

Gumena crijeva i crijevni sklopovi – Tipovi za određene tlakove ojačani žicom ili tekstilom, za hidrauličke primjene – Specifikacija (ISO 18752:2014; EN ISO 18752:2016)
Rubber hoses and hose assemblies – Wire-or textile-reinforced single-pressure types for hydraulic applications – Specification (ISO 18752:2014; EN ISO 18752:2016)
- zamijenjena s: HRN EN ISO 18752:2022

HRN EN ISO 19712-3:2013 en

Plastika – Ukrasni materijali čvrste površine – 3. dio: Određivanje svojstava – Oblici čvrste površine (ISO 19712-3:2007; EN ISO 19712-3:2013)
Plastics – Decorative solid surfacing materials – Part 3: Determination of properties – Solid surface shapes (ISO 19712-3:2007; EN ISO 19712-3:2013)
- zamijenjena s: HRN EN ISO 19712-3:2022

HZN/TO 533, Kolničke konstrukcije

HRN EN 12697-36:2003 en
Bitumenske mješavine – Ispitne metode za asfalt proizveden vrućim postupkom – 36. dio: Određivanje debljine asfaltnih slojeva u kolniku (EN 12697-36:2003)
Bituminous mixtures – Test methods for hot mix asphalt – Part 36: Determination of the thickness of a bituminous pavement (EN 12697-36:2003)
- zamijenjena s: HRN EN 12697-36:2022

HRN EN 12697-37:2007 en
Bitumenske mješavine – Ispitne metode za asfalt proizveden vrućim postupkom – 37. dio: Ispitivanje prionljivosti veziva vrućim pijeskom na prethodno obavijenu zrnju agregata za HRA (Hot Rolled Asphalt) (EN 12697-37:2003)
Bituminous mixtures – Test methods for hot mix asphalt – Part 37: Hot sand test for the adhesivity of binder on precoated chippings for HRA (EN 12697-37:2003)
- zamijenjena s: HRN EN 12697-37:2022

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

HRN ISO 128-22:2003 en
Tehnički crteži – Opća načela prikazivanja – 22. dio: Osnovne konvencije i primjene pokaznih i referencijskih crta (ISO 128-22:1999)
Technical drawings – General principles of presentation – Part 22: Basic conventions and applications for leader lines and reference lines (ISO 128-22:1999)
- zamijenjena s: HRN EN ISO 128-2:2020

HRN ISO 128-23:2003 en
Tehnički crteži – Opća načela prikazivanja – 23. dio: Crte u izvedbenim crtežima u graditeljstvu (ISO 128-23:1999)
Technical drawings – General principles of presentation – Part 23: Lines on construction drawings (ISO 128-23:1999)
- zamijenjena s: HRN EN ISO 128-2:2020

HRN ISO 128-24:2014 en
Tehnički crteži – Opća načela prikazivanja – 24. dio: Crte na crtežima u strojarstvu (ISO 128-24:2014)
Technical drawings – General principles of presentation – Part 24: Lines on mechanical engineering drawings (ISO 128-24:2014)
- zamijenjena s: HRN EN ISO 128-2:2020

HRN ISO 128-25:2003 en
Tehnički crteži – Opća načela prikazivanja – 25. dio: Crte na crtežima u brodogradnji (ISO 128-25:1999)
Technical drawings – General principles of presentation – Part 25: Lines on shipbuilding drawings (ISO 128-25:1999)
- zamijenjena s: HRN EN ISO 128-2:2020

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

HRN EN ISO 9488:2008 en,fr
Solar energy – Vocabulary (ISO 9488:1999; EN ISO 9488:1999)
- zamijenjena s: HRN EN ISO 9488:2022

HRN EN 15632-4:2009 en
Cijevi za daljinsko grijanje – Sustavi predizoliranih savitljivih cijevi – 4. dio: Spojeni sustav s metalnim cijevima; zahtjevi i metode ispitivanja (EN 15632-4:2009)
District heating pipes – Pre-insulated flexible pipe systems – Part 4: Bonded system with metal service pipes, requirements and test methods (EN 15632-4:2009)
- zamijenjena s: HRN EN 15632-4:2022

HRN EN ISO 29463-5:2018 en
Visokoučinkoviti filtri i filterski mediji za odstranjivanje čestica iz zraka – 5. dio: Metoda ispitivanja filterskih elemenata (ISO 29463-5:2011; EN ISO 29463-5:2018)
High-efficiency filters and filter media for removing particles in air – Part 5: Test method for filter elements (ISO 29463-5:2011; EN ISO 29463-5:2018)
- zamijenjena s: HRN EN ISO 29463-5:2022

HZN/TO 550, Opskrba vodom

HRN EN 1421:2013 en
Kemikalije koje se upotrebljavaju u obradi vode namijenjene ljudskoj uporabi – Amonijev klorid (EN 1421:2012)
Chemicals used for treatment of water intended for human consumption – Ammonium chloride (EN 1421:2012)
- zamijenjena s: HRN EN 1421:2022

HRN EN 12120:2013 en
Kemikalije koje se upotrebljavaju u obradi vode namijenjene ljudskoj uporabi – Natrijev hidrogensulfid (EN 12120:2012)
Chemicals used for treatment of water intended for human consumption – Sodium hydrogen sulfite (EN 12120:2012)
- zamijenjena s: HRN EN 12120:2022

HRN EN 12121:2013 en
Kemikalije koje se upotrebljavaju u obradi vode namijenjene ljudskoj uporabi – Natrijev disulfid (EN 12121:2012)
Chemicals used for treatment of water intended for human consumption – Sodium disulfite (EN 12121:2012)
- zamijenjena s: HRN EN 12121:2022

HRN EN 12123:2013 en
Kemikalije koje se upotrebljavaju u obradi vode namijenjene ljudskoj uporabi – Amonijev sulfat (EN 12123:2012)
Chemicals used for treatment of water intended for human consumption – Ammonium sulfate (EN 12123:2012)
- zamijenjena s: HRN EN 12123:2022

HRN EN 12124:2013 en
Kemikalije koje se upotrebljavaju u obradi vode namijenjene ljudskoj uporabi – Natrijev sulfid (EN 12124:2012)
Chemicals used for treatment of water intended for human consumption – Sodium sulfite (EN 12124:2012)
- zamijenjena s: HRN EN 12124:2022

HRN EN 12126:2013 en
Kemikalije koje se upotrebljavaju u obradi vode namijenjene ljudskoj uporabi – Ukapljeni amonijak (EN 12126:2012)
Chemicals used for treatment of water intended for human consumption – Liquefied ammonia (EN 12126:2012)
- zamijenjena s: HRN EN 12126:2022

HRN EN 12175:2013 en
Kemikalije koje se upotrebljavaju u obradi vode namijenjene ljudskoj uporabi – Heksfluorosilicijeva kiselina (EN 12175:2013)
Chemicals used for treatment of water intended for human consumption – Hexafluorosilicic acid (EN 12175:2013)
- zamijenjena s: HRN EN 12175:2022

HRN EN 14805:2008 en
Kemikalije koje se upotrebljavaju u obradi vode namijenjene ljudskoj uporabi – Natrijev klorid za elektroklorinaciju uporabom nemembranske tehnologije (EN 14805:2008)
Chemicals used for treatment of water intended for human consumption – Sodium chloride for on site electrochlorination using non-membrane technology (EN 14805:2008)
- zamijenjena s: HRN EN 14805:2022

HRN EN 16370:2014 en
Kemikalije koje se upotrebljavaju u obradi vode namijenjene ljudskoj potrošnji – Natrijev klorid za membransku elektrolizu (EN 16370:2013)
Chemicals used for treatment of water intended for human consumption – Sodium chloride for on site electrochlorination using membrane cells (EN 16370:2013)
- zamijenjena s: HRN EN 16370:2022

HZN/TO 554, Obrada otpadnih voda

HRN EN 476:2011 en
Opći zahtjevi za dijelove koji se upotrebljavaju u odvodnji i kanalizaciji (EN 476:2011)
General requirements for components used in drains and sewers (EN 476:2011)
- zamijenjena s: HRN EN 476:2022

HZN/TO 556, Osobna zaštitna oprema

HRN EN 166:2002 en
Osobna zaštita očiju – Specifikacije (EN 166:2001)
Personal eye-protection – Specifications (EN 166:2001)
- zamijenjena s: HRN EN ISO 16321-1:2022,
HRN EN ISO 16321-3:2022

HRN EN 169:2003 en
Osobna zaštita očiju – Filtri za zavarivanje i slične tehnike – Zahtjevi za transmitanciju i preporučena uporaba (EN 169:2002)
Personal eye-protection – Filters for welding and related techniques – Transmittance requirements and recommended use (EN 169:2002)
- zamijenjena s: HRN EN ISO 16321-1:2022

HRN EN 170:2003 en
Osobna zaštita očiju – Ultraljubičasti filtri – Zahtjevi za transmitanciju i preporučena uporaba (EN 170:2002)
Personal eye-protection – Ultraviolet filters – Transmittance requirements and recommended use (EN 170:2002)
- zamijenjena s: HRN EN ISO 16321-1:2022

HRN EN 171:2002 en
Osobna zaštita očiju – Infracrveni filtri – Zahtjevi za transmitanciju i preporučena uporaba (EN 171:2002)
Personal eye-protection – Infrared filters – Transmittance requirements and recommended use (EN 171:2002)
- zamijenjena s: HRN EN ISO 16321-1:2022

HRN EN 172:2002 en
Osobna zaštita očiju – Sunčani filtri za industrijsku uporabu (EN 172:1994+A1:2000+A2:2001)
Personal eye-protection – Sunglare filters for industrial use (EN 172:1994+A1:2000+A2:2001)
- zamijenjena s: HRN EN ISO 16321-1:2022

HRN EN 379:2010 en
Osobna zaštita očiju – Automatski filtri za zavarivanje (EN 379:2003+A1:2009)
Personal eye-protection – Automatic welding filters (EN 379:2003+A1:2009)
- zamijenjena s: HRN EN ISO 16321-1:2022

HRN EN 1731:2008 en
Osobna zaštita očiju – Mrežasti štيتnici za oči i lice (EN 1731:2006)
Personal eye protection – Mesh eye and face protectors (EN 1731:2006)
- zamijenjena s: HRN EN ISO 16321-3:2022

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

HRN EN 14427:2014 en
Oprema i pribor za UNP – Prenosive ponovno punjive potpuno opletene kompozitne boce za UNP – Projektiranje i konstruiranje (EN 14427:2014)
LPG equipment and accessories – Transportable refillable fully wrapped composite cylinders for LPG – Design and construction (EN 14427:2014)
- zamijenjena s: HRN EN 14427:2022

HRN EN ISO 22434:2012 en
Prenosive plinske boce – Pregled i održavanje ventila boca (ISO 22434:2006; EN ISO 22434:2011)
Transportable gas cylinders – Inspection and maintenance of cylinder valves (ISO 22434:2006; EN ISO 22434:2011)
- zamijenjena s: HRN EN ISO 22434:2022

HZN/TO 566, *Mlijeko i mliječni proizvodi*

HRN EN ISO 1735:2008 en
Sir i proizvodi na bazi topljenog sira – Određivanje sadržaja masti – Gravimetrijska metoda (Referentna metoda) (ISO 1735:2004; EN ISO 1735:2004)
Cheese and processed cheese products – Determination of fat content – Gravimetric method (Reference method) (ISO 1735:2004; EN ISO 1735:2004)
- zamijenjena s: HRN EN ISO 23319:2022

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

HRN EN 1787:2004 en
Namirnice – Dokazivanje primjene postupka ozračivanja u namirnicama koje sadrže celulozu metodom elektron-spinske rezonancijske (ESR) spektroskopije (EN 1787:2000)
Foodstuffs – Detection of irradiated food containing cellulose by ESR spectroscopy (EN 1787:2000)
- zamijenjena s: HRN EN 1787:2022

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

HRN EN ISO 8655-1:2008 en
Volumetrijski uređaji s klipom – 1. dio: Nazivlje, opći zahtjevi i preporuke za korisnika (ISO 8655-1:2002; EN ISO 8655-1:2002)
Piston-operated volumetric apparatus – Part 1: Terminology, general requirements and user recommendations (ISO 8655-1:2002; EN ISO 8655-1:2002)
- zamijenjena s: HRN EN ISO 8655-1:2022

HRN EN ISO 8655-1:2008/Ispr.1:2013 en
Volumetrijski uređaji s klipom – 1. dio: Nazivlje, opći zahtjevi i preporuke za korisnika (ISO 8655-1:2002/Cor 1:2008; EN ISO 8655-1:2002/AC:2009)
Piston-operated volumetric apparatus – Part 1: Terminology, general requirements and user recommendations (ISO 8655-1:2002/Cor 1:2008; EN ISO 8655-1:2002/AC:2009)
- zamijenjena s: HRN EN ISO 8655-1:2022

HRN EN ISO 8655-2:2008 en
Volumetrijski uređaji s klipom – 2. dio: Klipne pipete (ISO 8655-2:2002; EN ISO 8655-2:2002)
Piston-operated volumetric apparatus – Part 2: Piston pipettes (ISO 8655-2:2002; EN ISO 8655-2:2002)
- zamijenjena s: HRN EN ISO 8655-2:2022

HRN EN ISO 8655-2:2008/Ispr.1:2013 en
Volumetrijski uređaji s klipom – 2. dio: Klipne pipete (ISO 8655-2:2002/Cor 1:2008; EN ISO 8655-2:2002/AC:2009)
Piston-operated volumetric apparatus – Part 2: Piston pipettes (ISO 8655-2:2002/Cor 1:2008; EN ISO 8655-2:2002/AC:2009)
- zamijenjena s: HRN EN ISO 8655-2:2022

HRN EN ISO 8655-6:2008 en
Klipna volumetrijska aparatura – 6. dio: Gravimetrijske metode za određivanje mjerne pogreške (ISO 8655-6:2002; EN ISO 8655-6:2002)
Piston-operated volumetric apparatus – Part 6: Gravimetric methods for the determination of measurement error (ISO 8655-6:2002; EN ISO 8655-6:2002)
- zamijenjena s: HRN EN ISO 8655-6:2022

HRN EN ISO 8655-6:2008/Ispr.1:2013 en
Klipna volumetrijska aparatura – 6. dio: Gravimetrijske metode za određivanje mjerne pogreške (ISO 8655-6:2002/Cor 1:2008; EN ISO 8655-6:2002/AC:2009)
Piston-operated volumetric apparatus – Part 6: Gravimetric methods for the determination of measurement error (ISO 8655-6:2002/Cor 1:2008; EN ISO 8655-6:2002/AC:2009)
- zamijenjena s: HRN EN ISO 8655-6:2022

HZN/TU I2, *Strojarstvo 2*

HRN EN 15094:2008 en
Sigurnost strojeva – Sigurnosni zahtjevi za valjaonice za hladno valjanje plosnatih proizvoda (EN 15094:2008)
Safety of Machinery – Safety requirements for cold flat rolling mills (EN 15094:2008)
- zamijenjena s: HRN EN 15094:2022

HZN/TU N1, *Nemetalni materijali 1*

HRN EN 623-2:2008 en
Tehnička keramika – Monolitna keramika – Opća i strukturna svojstva – 2. dio: Određivanje gustoće i poroznosti (EN 623-2:1993)
Advanced technical ceramics – Monolithic ceramics – General and textural properties – Part 2: Determination of density and porosity (EN 623-2:1993)
- zamijenjena s: HRN EN ISO 18754:2022

HRN EN 658-3:2008 en
Tehnička keramika – Mehanička svojstva keramičkih smjesa na sobnoj temperaturi – 3. dio: Određivanje tlačne čvrstoće (EN 658-3:2002)
Advanced technical ceramics – Mechanical properties of ceramic composites at room temperature – Part 3: Determination of flexural strength (EN 658-3:2002)
- zamijenjena s: HRN EN ISO 17138:2022

HRN EN 1007-5:2010 en

Tehnička keramika – Keramičke smjese – Metode ispitivanja za pojačanje – 5. dio: Određivanje raspodjele vlačne čvrstoće i vlačnog naprezanja kod pucanja filamenata pri razvlačenju multifilamenta na sobnoj temperaturi (EN 1007-5:2010)
Advanced technical ceramics – Ceramic composites – Methods of test for reinforcements – Part 5: Determination of distribution of tensile strength and of tensile strain to failure of filaments within a multifilament tow at ambient temperature (EN 1007-5:2010)
- zamijenjena s: HRN EN ISO 22459:2022

HRN EN 1159-1:2008 en

Tehnička keramika – Keramičke smjese – Termo-fizikalna svojstva – 1. dio: Određivanje toplinskog širenja (EN 1159-1:2003)
Advanced technical ceramics – Ceramic composites – Thermophysical properties – Part 1: Determination of thermal expansion (EN 1159-1:2003)
- bez zamjene

HRN EN 1159-2:2008 en

Tehnička keramika – Keramičke smjese – Termo-fizikalna svojstva – 2. dio: Određivanje toplinske difuzivnosti (EN 1159-2:2003)
Advanced technical ceramics – Ceramic composites – Thermophysical properties – Part 2: Determination of thermal diffusivity (EN 1159-2:2003)
- zamijenjena s: HRN EN ISO 19629:2022

HRN EN 1389:2008 en

Tehnička keramika – Keramičke smjese – Fizikalna svojstva – Određivanje gustoće i vidljive poroznosti (EN 1389:2003)
Advanced technical ceramics – Ceramic composites – Physical properties – Determination of density and apparent porosity (EN 1389:2003)
- zamijenjena s: HRN EN ISO 18754:2022

HRN EN 13234:2008 en

Tehnička keramika – Mehanička svojstva keramičkih smjesa na sobnoj temperaturi – Vrednovanje otpornosti na širenje pukotine ispitivanjem osjetljivosti ureza (EN 13234:2006)
Advanced technical ceramics – Mechanical properties of ceramic composites at ambient temperature – Evaluation of the resistance to crack propagation by notch sensitivity testing (EN 13234:2006)
- zamijenjena s: HRN EN ISO 18608:2022

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

HRN EN ISO 11608-1:2015 en

Injekcijski sustavi s iglom za medicinsku primjenu – Zahtjevi i metode ispitivanja – 1. dio: Injekcijski sustavi s iglom (ISO 11608-1:2014; EN ISO 11608-1:2015)
Needle-based injection systems for medical use – Requirements and test methods – Part 1: Needle-based injection systems (ISO 11608-1:2014; EN ISO 11608-1:2015)
- zamijenjena s: HRN EN ISO 11608-1:2022

HRN EN ISO 11608-2:2012 en

Injekcijski sustavi s iglom za medicinsku primjenu – Zahtjevi i metode ispitivanja – 2. dio: Igle (ISO 11608-2:2012; EN ISO 11608-2:2012)
Needle-based injection systems for medical use – Requirements and test methods – Part 2: Needles (ISO 11608-2:2012; EN ISO 11608-2:2012)
- zamijenjena s: HRN EN ISO 11608-2:2022

HRN EN ISO 11608-3:2012 en

Injekcijski sustavi s iglom za medicinsku primjenu – Zahtjevi i metode ispitivanja – 3. dio: Gotovi spremnici (ISO 11608-3:2012; EN ISO 11608-3:2012)
Needle-based injection systems for medical use – Requirements and test methods – Part 3: Finished containers (ISO 11608-3:2012; EN ISO 11608-3:2012)
- zamijenjena s: HRN EN ISO 11608-3:2022

HRN EN ISO 11608-4:2008 en

Pen injektori za medicinsku primjenu – 4. dio: Zahtjevi i metode ispitivanja za elektroničke i elektromehaničke pen injektore (ISO 11608-4:2006; EN ISO 11608-4:2007)
Pen-injectors for medical use – Part 4: Requirements and test methods for electronic and electromechanical pen-injectors (ISO 11608-4:2006; EN ISO 11608-4:2007)
- zamijenjena s: HRN EN ISO 11608-4:2022

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

HRN EN 2535:2011 en

Nizovi o zrakoplovstvu – Vakuumsko odlaganje kadmija (EN 2535:2011)
Aerospace series – Vacuum deposition of cadmium (EN 2535:2011)
- zamijenjena s: HRN EN 2535:2022

HRN EN 3660-062:2016 en

Zrakoplovstvo – Oprema utičnice kabela za kružne i kvadratne električne i optičke spojnice – 062. dio: Kabelski izlaz, tip K, 90°, za elemente koje se skupljaju na toplini, oklopljeni, zabrtvljeni, samozatvarajući za EN 3645 – Norma za proizvod (EN 3660-062:2016)
Aerospace series – Cable outlet accessories for circular and rectangular electrical and optical connectors – Part 062: Cable outlet, style K, 90°, for heat shrinkable boot, shielded, sealed, self-locking for EN 3645 – Product standard (EN 3660-062:2016)
- zamijenjena s: HRN EN 3660-062:2022

HRN EN 3660-063:2015 en

Zrakoplovstvo – Oprema utičnice kabela za kružne i kvadratne električne i optičke spojnice – Dio 063: Kabelski izlaz, tip K, ravni, za elemente koje se skupljaju na toplini, oklopljeni, zabrtvljeni, samozatvarajući – Norma za proizvod (EN 3660-063:2015)
Aerospace series – Cable outlet accessories for circular and rectangular electrical and optical connectors – Part 063: Cable outlet, style K, straight, for heat shrinkable boot, shielded, sealed, self locking – Product standard (EN 3660-063:2015)
- zamijenjena s: HRN EN 3660-063:2022

HRN EN 3660-064:2016 en

Zrakoplovstvo – Oprema utičnice kabela za kružne i kvadratne električne i optičke spojnice – 064. dio: Kabelski izlaz, tip K, ravni, za elemente koje se skupljaju na toplini, oklopljeni, zabrtvljeni, samozatvarajući za EN 2997 – Norma za proizvod (EN 3660-064:2016)
Aerospace series – Cable outlet accessories for circular and rectangular electrical and optical connectors – Part 064: Cable outlet, style K, straight, for heat shrinkable boot, shielded, sealed, self-locking for EN 2997 – Product standard (EN 3660-064:2016)
- zamijenjena s: HRN EN 3660-064:2022

HRN EN 3660-065:2016 en

Zrakoplovstvo – Oprema utičnice kabela za kružne i kvadratne električne i optičke spojnice – Dio 065: Kabelski izlaz, tip K, 90°, za elemente koje se skupljaju na toplini, oklopljeni, zabrtvljeni, samozatvarajući – Norma za proizvod (EN 3660-065:2016)
Aerospace series – Cable outlet accessories for circular and rectangular electrical and optical connectors – Part 065: Cable outlet, style K, 90°, for heat shrinkable boot, shielded, sealed, self locking – Product standard (EN 3660-065:2016)
- zamijenjena s: HRN EN 3660-065:2022

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 23, *Traktori i strojevi za poljoprivredu i šumarstvo*

- **umjesto**

HRN EN ISO 11806-2:2022

Poljoprivredna i šumarska mehanizacija – Sigurnosni zahtjevi i ispitivanje za prijenosne, ručno upravljane, motorne rezačice za grmlje i kosilice za travu – 2. dio: Strojevi opremljeni stražnjom pogonskom jedinicom (ISO 11806-2:2022; EN ISO 11806-2:2022)

Agricultural and forestry machinery – Safety requirements and testing for portable, hand-held, powered brush-cutters and grass-trimmers – Part 2: Machines for use with back-pack power unit (ISO 11806-2:2022; EN ISO 11806-2:2022)

- **treba biti**

HRN EN ISO 11806-2:2022

Poljoprivredna i šumarska mehanizacija – Sigurnosni zahtjevi i ispitivanje za prijenosne, ručno upravljane, motorne rezačice za grmlje i kosilice za travu – 2. dio: Strojevi opremljeni stražnjom pogonskom jedinicom (ISO 11806-2:2022, **ispravljena verzija 2022-04**; EN ISO 11806-2:2022)

Agricultural and forestry machinery – Safety requirements and testing for portable, hand-held, powered brush-cutters and grass-trimmers – Part 2: Machines for use with back-pack power unit (ISO 11806-2:2022, **Corrected version 2022-04**; EN ISO 11806-2:2022)

HZN/TO 503, *Metalni materijali*

- **umjesto**

HRN EN 754-1:2016

Aluminij i aluminijeve legure – Hladno vučene šipke i cijevi – 1. dio: Tehnički uvjeti za **inspekciju** i isporuku (EN 754-1:2016)

Aluminium and aluminium alloys – Cold drawn rod/bar and tube – Part 1: Technical conditions for inspection and delivery (EN 754-1:2016)

- **treba biti**

HRN EN 754-1:2016

Aluminij i aluminijeve legure – Hladno vučene šipke i cijevi – 1. dio: Tehnički uvjeti za **preuzimanje** i isporuku (EN 754-1:2016)

Aluminium and aluminium alloys – Cold drawn rod/bar and tube – Part 1: Technical conditions for inspection and delivery (EN 754-1:2016)

- **umjesto**

HRN EN 15088:2008

Aluminij i aluminijeve legure – Proizvodi za izradu konstrukcija u graditeljstvu – Tehnički uvjeti za **pregled** i isporuku (EN 15088:2005)

Aluminium and aluminium alloys – Structural products for construction works – Technical conditions for inspection and delivery (EN 15088:2005)

- **treba biti**

HRN EN 15088:2008

Aluminij i aluminijeve legure – Proizvodi za izradu konstrukcija u graditeljstvu – Tehnički uvjeti za **preuzimanje** i isporuku (EN 15088:2005)

Aluminium and aluminium alloys – Structural products for construction works – Technical conditions for inspection and delivery (EN 15088:2005)

HZN/TO T4, *Normizacija u telekomunikacijama*

- **umjesto**

HRN EN 300 338-8 V1.1.1:2022

Tehničke značajke i metode mjerenja opreme za generiranje, **odašiljanje** i prijam digitalnog selektivnog poziva (**DSC**) u pomorskoj MF, MF/HF i/ili VHF pokretnoj službi – 8. dio: Omogućavanje DSC **radio** opreme s mogućnostima daljinskog upravljanja (EN 300 338-8 V1.1.1:2022)

Technical characteristics and methods of measurement for equipment for generation, transmission and reception of Digital Selective Calling (DSC) in the maritime MF, MF/HF and/or VHF mobile service – Part 8: Enabling DSC radio equipment with remote control capabilities (EN 300 338-8 V1.1.1:2022)

- **treba biti**

HRN EN 300 338-8 V1.1.1:2022

Tehničke značajke i metode mjerenja opreme za generiranje, **prijenos** i prijam digitalnog selektivnog poziva (**DSP**) u pomorskoj MF, MF/HF i/ili VHF pokretnoj službi – 8. dio: Omogućavanje DSC **radijske** opreme s mogućnostima daljinskog upravljanja (EN 300 338-8 V1.1.1:2022)

Technical characteristics and methods of measurement for equipment for generation, transmission and reception of Digital Selective Calling (DSC) in the maritime MF, MF/HF and/or VHF mobile service – Part 8: Enabling DSC radio equipment with remote control capabilities (EN 300 338-8 V1.1.1:2022)

- **umjesto**

HRN EN 300 674-2-1 V3.1.1:2022

Telematika cestovnog prijevoza i prometa (TCPP) – Komunikacijska oprema kratkoga dometa (**KOKD**) za **prijenos signala brzinama** 500 kbit/s/250 kbit/s, **koja radi u pojasu** od 5 795 MHz do 5 815 MHz – 2. dio: Harmonizirana norma za pristup radijskom spektru – 1. poddio: Jedinice uz prometnicu (**JUP**) (EN 300 674-2-1 V3.1.1:2022)

Transport and Traffic Telematics (TTT) – Dedicated Short Range Communication (DSRC) transmission equipment (500 kbit/s / 250 kbit/s) operating in the 5 795 MHz to 5 815 MHz frequency band – Part 2: Harmonised Standard for access to radio spectrum – Sub-part 1: Road Side Units (RSU) (EN 300 674-2-1 V3.1.1:2022)

- **treba biti**

HRN EN 300 674-2-1 V3.1.1:2022

Telematika cestovnog prijevoza i prometa (TCPP) – **Namjenska komunikacijska** oprema kratkoga dometa (**DSRC**) (500 kbit/s/250 kbit/s) **s radnim frekvencijskim pojasom** od 5 795 MHz do 5 815 MHz – 2. dio: Harmonizirana norma za pristup radijskom spektru – 1. poddio: Jedinice uz prometnicu (**RSU**) (EN 300 674-2-1 V3.1.1:2022)

Transport and Traffic Telematics (TTT) – Dedicated Short Range Communication (DSRC) transmission equipment (500 kbit/s / 250 kbit/s) operating in the 5 795 MHz to 5 815 MHz frequency band – Part 2: Harmonised Standard for access to radio spectrum – Sub-part 1: Road Side Units (RSU) (EN 300 674-2-1 V3.1.1:2022)

- **umjesto**

HRN EN 301 549 V2.1.2:2018

Zahtjevi za **osiguranje** pristupačnosti proizvoda i usluga u području IKT (EN 301 549 V2.1.2:2018)
Accessibility requirements for ICT products and services (EN 301 549 V2.1.2:2018)

- **treba biti**

HRN EN 301 549 V2.1.2:2018

Zahtjevi za **osiguravanje** pristupačnosti proizvoda i usluga u području IKT (EN 301 549 V2.1.2:2018)
Accessibility requirements for ICT products and services (EN 301 549 V2.1.2:2018)

- **umjesto**

HRN EN 301 549 V3.1.1:2019

Zahtjevi za **osiguranje** pristupačnosti proizvoda i usluga u području IKT (EN 301 549 V3.1.1:2019)
Accessibility requirements for ICT products and services (EN 301 549 V3.1.1:2019)

- **treba biti**

HRN EN 301 549 V3.1.1:2019

Zahtjevi za **osiguravanje** pristupačnosti proizvoda i usluga u području IKT (EN 301 549 V3.1.1:2019)
Accessibility requirements for ICT products and services (EN 301 549 V3.1.1:2019)

- **umjesto**
HRN EN 301 549 V3.2.1:2021
Zahtjevi za **osiguranje** pristupačnosti proizvoda i usluga u području IKT (EN 301 549 V3.2.1:2021)
Accessibility requirements for ICT products and services (EN 301 549 V3.2.1:2021)

- **treba biti**
HRN EN 301 549 V3.2.1:2021
Zahtjevi za osiguravanje pristupačnosti proizvoda i usluga u području IKT (EN 301 549 V3.2.1:2021)
Accessibility requirements for ICT products and services (EN 301 549 V3.2.1:2021)

- **umjesto**
HRN EN 301 598 V2.2.1:2022
TV uređaji bijelog prostora (**TVWSD**) – Sustavi bežičnog pristupa koji rade u pojasu od 470 MHz do 694 MHz TV emitiranja – Harmonizirana norma za pristup radijskom spektru (EN 301 598 V2.2.1:2022)
TV White Space Devices (TVWSD) – Wireless Access Systems operating in the 470 MHz to 694 MHz TV broadcast band – Harmonised Standard for access to radio spectrum (EN 301 598 V2.2.1:2022)

- **treba biti**
HRN EN 301 598 V2.2.1:2022
TV uređaji bijelog prostora (**TVBP**) – Sustavi bežičnog pristupa koji rade u pojasu od 470 MHz do 694 MHz TV emitiranja – Harmonizirana norma za pristup radijskom spektru (EN 301 598 V2.2.1:2022)
TV White Space Devices (TVWSD) – Wireless Access Systems operating in the 470 MHz to 694 MHz TV broadcast band – Harmonised Standard for access to radio spectrum (EN 301 598 V2.2.1:2022)

- **umjesto**
HRN EN 301 908-13 V13.2.1:2022
IMT celularne mreže – Harmonizirana norma za pristup radijskom spektru – 13. dio: Korisnička oprema (UE) za **razvijeni** univerzalni terestrijalni radijski pristup (E-UTRA) (EN 301 908-13 V13.2.1:2022)
IMT cellular networks – Harmonised Standard for access to radio spectrum – Part 13: Evolved Universal Terrestrial Radio Access (E-UTRA) User Equipment (UE) (EN 301 908-13 V13.2.1:2022)

- **treba biti**
HRN EN 301 908-13 V13.2.1:2022
IMT celularne mreže – Harmonizirana norma za pristup radijskom spektru – 13. dio: Korisnička oprema (UE) za **napredni** univerzalni terestrijalni radijski pristup (E-UTRA) (EN 301 908-13 V13.2.1:2022)
IMT cellular networks – Harmonised Standard for access to radio spectrum – Part 13: Evolved Universal Terrestrial Radio Access (E-UTRA) User Equipment (UE) (EN 301 908-13 V13.2.1:2022)

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

- **umjesto**
HRN EN ISO/ASTM 52904:2020
Aditivna proizvodnja – Procesne karakteristike i zahtjevi – Praksa za proces stapanja praškastih slojeva koja ispunjava zahtjeve kritičnih primjena (ISO/ASTM 52904:2019; EN ISO/ASTM 52904:2020)
Additive manufacturing – Process characteristics and performance – Practice for metal powder bed fusion process to meet critical applications (ISO/ASTM 52904:2019; EN ISO/ASTM 52904:2020)

- **treba biti**
HRN EN ISO/ASTM 52904:2020
Aditivna proizvodnja – Procesne karakteristike i zahtjevi – Praksa za proces stapanja praškastih slojeva **metala** koja ispunjava zahtjeve kritičnih primjena (ISO/ASTM 52904:2019; EN ISO/ASTM 52904:2020)
Additive manufacturing – Process characteristics and performance – Practice for metal powder bed fusion process to meet critical applications (ISO/ASTM 52904:2019; EN ISO/ASTM 52904:2020)

- **umjesto**
HRN EN ISO/ASTM 52910:2019
Proizvodnja aditiva – Dizajn – Zahtjevi, smjernice i preporuke (ISO/ASTM 52910:2018; EN ISO/ASTM 52910:2019)
Additive manufacturing – Design – Requirements, guidelines and recommendations (ISO/ASTM 52910:2018; EN ISO/ASTM 52910:2019)

- **treba biti**
HRN EN ISO/ASTM 52910:2019
Aditivna proizvodnja – Dizajn – Zahtjevi, smjernice i preporuke (ISO/ASTM 52910:2018; EN ISO/ASTM 52910:2019)
Additive manufacturing – Design – Requirements, guidelines and recommendations (ISO/ASTM 52910:2018; EN ISO/ASTM 52910:2019)

- **umjesto**
HRN EN ISO/ASTM 52915:2020
Specifikacija formata datoteke za **proizvodnju aditiva** (AMF), verzija 1.2 (ISO/ASTM 52915:2020; EN ISO/ASTM 52915:2020)
Specification for additive manufacturing file format (AMF) Version 1.2 (ISO/ASTM 52915:2020; EN ISO/ASTM 52915:2020)

- **treba biti**
HRN EN ISO/ASTM 52915:2020
Specifikacija formata datoteke za **aditivnu proizvodnju** (AMF), verzija 1.2 (ISO/ASTM 52915:2020; EN ISO/ASTM 52915:2020)
Specification for additive manufacturing file format (AMF) Version 1.2 (ISO/ASTM 52915:2020; EN ISO/ASTM 52915:2020)

- **umjesto**
HRN EN ISO/ASTM 52921:2016
Standardno nazivlje u **proizvodnji aditiva** – Koordinatni sustavi i metode ispitivanja (ISO/ASTM 52921:2013; EN ISO/ASTM 52921:2016)
Standard terminology for additive manufacturing – Coordinate systems and test methodologies (ISO/ASTM 52921:2013; EN ISO/ASTM 52921:2016)

- **treba biti**
HRN EN ISO/ASTM 52921:2016
Standardno nazivlje u **aditivnoj proizvodnji** – Koordinatni sustavi i metode ispitivanja (ISO/ASTM 52921:2013; EN ISO/ASTM 52921:2016)
Standard terminology for additive manufacturing – Coordinate systems and test methodologies (ISO/ASTM 52921:2013; EN ISO/ASTM 52921:2016)

- **umjesto**
HRS CEN/TS 17709:2022
Biljni biostimulansi – Određivanje **Azotobacter** spp. (CEN/TS 17709:2022)
Plant biostimulants – Determination of *Azotobacter* spp. (CEN/TS 17709:2022)

- **treba biti**
HRS CEN/TS 17709:2022
Biljni biostimulansi – Određivanje **broja** *Azotobacter* spp. (CEN/TS 17709:2022)
Plant biostimulants – Determination of *Azotobacter* spp. (CEN/TS 17709:2022)

- **umjesto**
HRS CEN/TS 17713:2022
Biljni biostimulansi – **Dokazivanje** *Azospirillum* spp. (CEN/TS 17713:2022)
Plant biostimulants – Determination of *Azospirillum* spp. (CEN/TS 17713:2022)

- **treba biti**
HRS CEN/TS 17713:2022
Biljni biostimulansi – **Određivanje broja** *Azospirillum* spp. (CEN/TS 17713:2022)
Plant biostimulants – Determination of *Azospirillum* spp. (CEN/TS 17713:2022)

• **umjesto**
HRS CEN/TS 17714:2022
Biljni biostimulansi – **Dokazivanje** koncentracije mikroorganizama (CEN/TS 17714:2022)
Plant biostimulants – Determination of microorganisms' concentration (CEN/TS 17714:2022)

• **treba biti**
HRS CEN/TS 17714:2022
Biljni biostimulansi – **Određivanje** koncentracije mikroorganizama (CEN/TS 17714:2022)
Plant biostimulants – Determination of microorganisms' concentration (CEN/TS 17714:2022)

• **umjesto**
HRS CEN/TS 17716:2022
Biljni biostimulansi – **Dokazivanje** Escherichia coli (CEN/TS 17716:2022)
Plant biostimulants – Determination of Escherichia coli (CEN/TS 17716:2022)

• **treba biti**
HRS CEN/TS 17716:2022
Biljni biostimulansi – **Određivanje broja** Escherichia coli (CEN/TS 17716:2022)
Plant biostimulants – Determination of Escherichia coli (CEN/TS 17716:2022)

• **umjesto**
HRS CEN/TS 17718:2022
Biljni biostimulansi – **Određivanje** Rhizobium spp. (CEN/TS 17718:2022)
Plant biostimulants – Determination of Rhizobium spp. (CEN/TS 17718:2022)

• **treba biti**
HRS CEN/TS 17718:2022
Biljni biostimulansi – **Određivanje broja** Rhizobium spp. (CEN/TS 17718:2022)
Plant biostimulants – Determination of Rhizobium spp. (CEN/TS 17718:2022)

• **umjesto**
HRS CEN/TS 17719:2022
Biljni biostimulansi – **Određivanje broja anaeroba na ploči** (CEN/TS 17719:2022)
Plant biostimulants – Determination of the anaerobic plate count (CEN/TS 17719:2022)

• **treba biti**
HRS CEN/TS 17719:2022
Biljni biostimulansi – **Određivanje broja anaerobnih mikroorganizama** (CEN/TS 17719:2022)
Plant biostimulants – Determination of the anaerobic plate count (CEN/TS 17719:2022)

• **umjesto**
HRS CEN/TS 17720:2022
Biljni biostimulansi – **Određivanje pH** Enterococcaceae (CEN/TS 17720:2022)
Plant biostimulants – Determination of Enterococcaceae (CEN/TS 17720:2022)

• **treba biti**
HRS CEN/TS 17720:2022
Biljni biostimulansi – **Određivanje broja** Enterococcaceae (CEN/TS 17720:2022)
Plant biostimulants – Determination of Enterococcaceae (CEN/TS 17720:2022)

• **umjesto**
HRS CEN/TS 17722:2022
Biljni biostimulansi – **Određivanje mikoriznih gljiva** (CEN/TS 17722:2022)
Plant biostimulants – Determination of Mycorrhizal fungi (CEN/TS 17722:2022)

• **treba biti**
HRS CEN/TS 17722:2022
Biljni biostimulansi – **Određivanje mikoriznih gljivica** (CEN/TS 17722:2022)
Plant biostimulants – Determination of Mycorrhizal fungi (CEN/TS 17722:2022)

1.7 Naslovi objavljenih hrvatskih norma na hrvatskome jeziku

Te su hrvatske norme ranije objavljene samo s naslovima na engleskome jeziku pa se sada objavljuju njihovi naslovi na hrvatskome jeziku.

HZN/ TU V1, *Elektronika 1*

HRN EN IEC 61215-1-2:2021 en pr
Zemaljski fotonaponski (PV) moduli – Ocjena projekta i odobrenje tipa – Dio 1-2: Posebni zahtjevi za ispitivanje fotonaponskih modula (PV) na bazi tankoslojnog kadmij telurija (CdTe) (IEC 61215-1-2:2021; EN IEC 61215-1-2:2021)
Terrestrial photovoltaic (PV) modules – Design qualification and type approval – Part 1-2: Special requirements for testing of thin-film Cadmium Telluride (CdTe) based photovoltaic (PV) modules (IEC 61215-1-2:2021; EN IEC 61215-1-2:2021)

HRN EN IEC 61215-1-3:2021 en pr
Zemaljski fotonaponski (PV) moduli – Ocjena projekta i odobrenje tipa – Dio 1-3: Posebni zahtjevi za ispitivanje fotonaponskih (PV) modula na bazi tankoslojnog amorfnog silicija (IEC 61215-1-3:2021; EN IEC 61215-1-3:2021)
Terrestrial photovoltaic (PV) modules – Design qualification and type approval – Part 1-3: Special requirements for testing of thin-film amorphous silicon based photovoltaic (PV) modules (IEC 61215-1-3:2021; EN IEC 61215-1-3:2021)

HRN EN IEC 61215-1-4:2021 en pr
Zemaljski fotonaponski (PV) moduli – Ocjena projekta i odobrenje tipa – Dio 1-4: Posebni zahtjevi za ispitivanje fotonaponskih (PV) modula s dizajnom tankog filma Cu(In,Ga)(S,Se)₂ (IEC 61215-1-4:2021; EN IEC 61215-1-4:2021)
Terrestrial photovoltaic (PV) modules – Design qualification and type approval – Part 1-4: Special requirements for testing of thin-film Cu(In,Ga)(S,Se)₂ based photovoltaic (PV) modules (IEC 61215-1-4:2021; EN IEC 61215-1-4:2021)

1.10 Prijevodi hrvatskih normativnih dokumenata

HZN/TO Z2, *Ocjenjivanje sukladnosti i akreditacija*

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

HRN EN ISO/IEC 17021-1:2015 hr,en-en pr-pp
Ocjenjivanje sukladnosti – Zahtjevi za tijela koja provode audit i certifikaciju sustava upravljanja – 1. dio: Zahtjevi (ISO/IEC 17021-1:2015; EN ISO/IEC 17021-1:2015)
Conformity assessment – Requirements for bodies providing audit and certification of management systems – Part 1: Requirements (ISO/IEC 17021-1:2015; EN ISO/IEC 17021-1:2015)

2 Rezultati međunarodne i europske normizacije

Europska normizacija (CEN)

Oznaka norme	Naslov norme	ICS	Datum objave
EN 74-1	Couplers, spigot pins and baseplates for use in falsework and scaffolds – Part 1: Couplers for tubes – Requirements and test procedures	91.220	2022-03
EN 74-2	Couplers, spigot pins and baseplates for use in falsework and scaffolds – Part 2: Special couplers – Requirements and test procedures	91.220	2022-03
EN 308	Heat exchangers – Test procedures for establishing performance of air to air heat recovery components	27.060.30	2022-03
EN 474-1	Earth-moving machinery – Safety – Part 1: General requirements	53.100	2022-03
EN 474-2	Earth-moving machinery – Safety – Part 2: Requirements for tractor-dozers	53.100	2022-03
EN 474-3	Earth-moving machinery – Safety – Part 3: Requirements for loaders	53.100	2022-03
EN 474-4	Earth-moving machinery – Safety – Part 4: Requirements for backhoe loaders	53.100	2022-03
EN 474-5	Earth-moving machinery – Safety – Part 5: Requirements for hydraulic excavators	53.100	2022-03
EN 474-6	Earth-moving machinery – Safety – Part 6: Requirements for dumpers	53.100	2022-03
EN 474-7	Earth-moving machinery – Safety – Part 7: Requirements for scrapers	53.100	2022-03
EN 474-8	Earth-moving machinery – Safety – Part 8: Requirements for graders	53.100	2022-03
EN 474-9	Earth-moving machinery – Safety – Part 9: Requirements for pipelayers	53.100	2022-03
EN 474-10	Earth-moving machinery – Safety – Part 10: Requirements for trenchers	53.100	2022-03
EN 474-11	Earth-moving machinery – Safety – Part 11: Requirements for earth- and landfill compactors	53.100	2022-03
EN 474-12	Earth-moving machinery – Safety – Part 12: Requirements for cable excavators	53.100	2022-03
EN 474-13	Earth-moving machinery – Safety – Part 13: Requirements for rollers	53.100	2022-03
EN 590	Automotive fuels – Diesel – Requirements and test methods	75.160.20	2022-03
EN 619	Continuous handling equipment and systems – Safety requirements for equipment for mechanical handling of unit loads	53.040.10	2022-03
EN 851	Aluminium and aluminium alloys – Circle and circle stock for the production of culinary utensils – Specifications	77.150.10	2022-03
EN 941	Aluminium and aluminium alloys – Circle and circle stock for the production of general applications – Specifications	77.150.10	2022-03
EN 3077	Aerospace series – Clamps worm drive – Technical specification	49.080	2022-03
EN 3228	Aerospace series – Nuts, hexagonal, plain, reduced height, normal across flats, in steel, cadmium plated – Classification: 900 MPa (at ambient temperature)/235 °C	49.030.30	2022-03
EN 4566	Aerospace series – Heat resisting alloy CO-PH4101 (CoCr20W15N1) -Vacuum melted – Solution treated – Forgings – De ? 100 mm	49.025.15	2022-03
EN 4641-301	Aerospace series – Cables, optical 125 µm diameter cladding – Part 301: Tight structure 50/125 µm GI, fibre nominal 1,8 mm, outside diameter – Product standard	49.090	2022-03
EN 4717	Aerospace series – Polyetheretherketone with 55 % continuous carbon fibre by volume (PEEK-CF55) – Stock shape material – Material specification	49.025.40	2022-03

Oznaka norme	Naslov norme	ICS	Datum objave
EN 4718	Aerospace series – Polyetheretherketone with 55 % continuous glass fibre by volume (PEEK-GF55) – Stock shape material – Material specification	49.025.40	2022-03
EN 4844	Aerospace series – Screws, 100° countersunk normal head, Spiral Drive Recess, threaded to head, in heat and corrosion resisting steel, passivated – Classification: 1100 MPa (at ambient temperature) / 425 °C	49.030.20	2022-03
EN 4845	Aerospace series – Screw, 100° countersunk normal head, Spiral Drive Recess, short thread, in heat resisting steel FE-PA2601 (A286), passivated – Classification: 900 MPa (at ambient temperature)/650 °C	49.030.20	2022-03
EN 4846	Aerospace series – Screws, pan head, Spiral Drive Recess, threaded to head, in heat and corrosion resisting steel, passivated – Classification: 1100 MPa (at ambient temperature) / 425 °C	49.030.20	2022-03
EN 4847	Aerospace series – Screw, pan head, Spiral Drive Recess, coarse tolerance normal shank, medium length thread, in alloy steel, cadmium plated – Classification: 1100 MPa (at ambient temperature)/235 °C	49.030.20	2022-03
EN 4848	Aerospace series – Screw, pan head, Spiral Drive Recess, coarse tolerance normal shank, medium length thread, in titanium alloy, anodized, MoS2 lubricated – Classification: 1100 MPa (at ambient temperature)/315 °C	49.030.20	2022-03
EN 4849	Aerospace series – Screw, 100° countersunk normal head, Spiral Drive Recess, close tolerance normal shank, short thread, in titanium alloy, aluminium IVD coated – Classification: 1100 MPa (at ambient temperature)/425 °C	49.030.20	2022-03
EN 4850	Aerospace series – Screw, 100° countersunk normal head, Spiral Drive Recess, coarse tolerance normal shank, medium length thread, in alloy steel, cadmium plated – Classification: 1100 MPa (at ambient temperature)/235 °C	49.030.20	2022-03
EN 4851	Aerospace series – Screw, 100° countersunk normal head, Spiral Drive Recess, coarse tolerance normal shank, long thread, in alloy steel, cadmium plated – Classification: 1100 MPa (at ambient temperature)/235 °C	49.030.20	2022-03
EN 4853	Aerospace series – Externally threaded fastener, 100° countersunk normal head, Spiral Drive Recess – Classification: 1100 MPa (at ambient temperature)/425 °C	49.030.01	2022-03
EN 10169	Continuously organic coated (coil coated) steel flat products – Technical delivery conditions	25.220.60; 77.140.50	2022-03
EN 10250-1	Open die steel forgings for general engineering purposes – Part 1: General requirements	77.140.85	2022-03
EN 10250-2	Open die steel forgings for general engineering purposes – Part 2: Non-alloy quality and special steels	77.140.45; 77.140.85	2022-03
EN 10250-3	Open die steel forgings for general engineering purposes – Part 3: Alloy special steels	77.140.20; 77.140.85	2022-03
EN 12020-1	Aluminium and aluminium alloys – Extruded precision profiles in alloys EN AW-6060 and EN AW-6063 – Part 1: Technical conditions for inspection and delivery	77.150.10	2022-03
EN 12372	Natural stone test methods – Determination of flexural strength under concentrated load	91.100.15	2022-03
EN 12975	Solar collectors – General requirements	27.160	2022-03
EN 13708	Foodstuffs – Detection of irradiated foodstuff containing crystalline sugar by ESR spectroscopy	67.050	2022-03
EN 14753	Safety of machinery – Safety requirements for machinery and equipment for continuous casting of steel	77.180	2022-03
EN 15061	Safety of machinery – Safety requirements for strip processing line machinery and equipment	77.180	2022-03
EN 15093	Safety of machinery – Safety requirements for hot flat rolling mills	77.180	2022-03
EN 15427-1-1	Railway applications – Wheel/Rail friction management – Part 1-1: Equipment and Application – Flange Lubricants	21.260; 45.040	2022-03

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EN 15457	Paints and varnishes – Laboratory method for testing the efficacy of film preservatives in a coating against fungi	87.040	2022-03
EN 15458	Paints and varnishes – Laboratory method for testing the efficacy of film preservatives in a coating against algae	87.040	2022-03
EN 15512+A1	Steel static storage systems – Adjustable pallet racking systems – Principles for structural design	53.080	2022-03
EN 15602	Private security services – Terminology	01.040.03; 01.040.13; 03.080.20; 13.310	2022-03
CEN/TS 16157-10	Intelligent transport systems – DATEX II data exchange specifications for traffic management and information – Part 10: Energy infrastructure publications	35.240.60	2022-03
CEN/TS 16157-11	Intelligent transport systems – DATEX II data exchange specifications for traffic management and information – Part 11: Publication of machine interpretable traffic regulations	35.240.60	2022-03
EN 16186-3	Railway applications – Driver's cab – Part 3: Design of displays for heavy rail vehicles	45.060.10	2022-03
CEN/TS 16209	Furniture – Classification for properties for furniture surfaces	97.140	2022-03
EN 16734	Automotive fuels – Automotive B10 diesel fuel – Requirements and test methods	75.160.20	2022-03
EN 16908+A1	Cement and building lime – Environmental product declarations – Product category rules complementary to EN 15804	91.010.99; 91.100.10	2022-03
EN 16933-1	Drain and sewer systems outside buildings – Design – Part 1: Layout principles	93.030	2022-03
EN 17124	Hydrogen fuel – Product specification and quality assurance for hydrogen refuelling points dispensing gaseous hydrogen – Proton exchange membrane (PEM) fuel cell applications for vehicles	27.075; 75.160.20	2022-03
EN 17352	Power operated pedestrian entrance control equipment – Safety in use – Requirements and test methods	13.310	2022-03
EN 17449	Safety of machinery – Safety requirements to finishing lines for metal strip	77.180	2022-03
EN 17467	Surfaces for sports areas – Test method for the determination of the residual deformation of synthetic or organic infill granules after static load	97.220.10	2022-03
EN 17468-2	Fibre-cement products – Determination of pull through and shear resistance and bending strength calculations – Part 2: Profiled sheets	91.100.40	2022-03
EN 17504	Animal feeding stuffs: Methods of sampling and analysis – Determination of gossypol in cotton seed and feeding stuff by LC-MS/MS	65.120	2022-03
EN 17624	Determination of explosion limits of gases and vapours at elevated pressures, elevated temperatures or with oxidizers other than air	13.230	2022-03
CEN/TS 17699	Guidelines for developing ICT Professional Curricula as scoped by EN 16234-1 (e-CF)	03.100.30; 35.020	2022-03
CEN/TS 17700-1	Plant biostimulants – Claims – Part 1: General principles	65.080	2022-03
CEN/TS 17700-2	Plant biostimulants – Claims – Part 2: Nutrient use efficiency resulting from the use of a plant biostimulant	65.080	2022-03
CEN/TS 17700-3	Plant biostimulants – Claims – Part 3: Tolerance to abiotic stress resulting from the use of a plant biostimulant	65.080	2022-03
CEN/TS 17700-4	Plant biostimulants – Claims – Part 4: Determination of quality traits resulting from the use of a plant biostimulant	65.080	2022-03
CEN/TS 17700-5	Plant biostimulants – Claims – Part 5: Determination of availability of confined nutrients in the soil or rhizosphere	65.080	2022-03
CEN/TS 17701-1	Plant biostimulants – Determination of specific elements – Part 1: Digestion by aqua regia for subsequent determination of elements	65.080	2022-03
CEN/TS 17701-2	Plant biostimulants – Determination of specific elements – Part 2: Determination of total content of Cd, Pb, Ni, As, Cr, Cu and Zn	65.080	2022-03

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CEN/TS 17701-3	Plant biostimulants – Determination of specific elements – Part 3: Determination of mercury	07.080	2022-03
CEN/TS 17702-1	Plant biostimulants – Sampling and sample preparation – Part 1: Sampling	65.080	2022-03
CEN/TS 17702-2	Plant biostimulants – Sampling and sample preparation – Part 2: Sample preparation	65.080	2022-03
CEN/TS 17703	Plant biostimulants – Determination of chromium(VI)	07.080	2022-03
CEN/TS 17704	Plant biostimulants – Determination of dry matter	07.080	2022-03
CEN/TS 17705	Plant biostimulants – Determination of phosphonates	07.080	2022-03
CEN/TS 17706	Plant biostimulants – Determination of inorganic arsenic	07.080	2022-03
CEN/TS 17707	Plant biostimulants – Determination of the yeast and mould content	65.080	2022-03
CEN/TS 17708	Plant biostimulants – Preparation of sample for microbial analysis	65.080	2022-03
CEN/TS 17709	Plant biostimulants – Determination of Azotobacter spp.	65.080	2022-03
CEN/TS 17710	Plant biostimulants – Detection of Listeria monocytogenes	65.080	2022-03
CEN/TS 17711	Plant biostimulants – Detection of Vibrio spp.	65.080	2022-03
CEN/TS 17712	Plant biostimulants – Detection of Staphylococcus aureus	65.080	2022-03
CEN/TS 17713	Plant biostimulants – Determination of Azospirillum spp.	65.080	2022-03
CEN/TS 17714	Plant biostimulants – Determination of microorganisms' concentration	65.080	2022-03
CEN/TS 17715	Plant biostimulants – Detection of Shigella spp.	65.080	2022-03
CEN/TS 17716	Plant biostimulants – Determination of Escherichia coli	65.080	2022-03
CEN/TS 17717	Plant biostimulants – Detection of Salmonella spp.	65.080	2022-03
CEN/TS 17718	Plant biostimulants – Determination of Rhizobium spp.	65.080	2022-03
CEN/TS 17719	Plant biostimulants – Determination of the anaerobic plate count	65.080	2022-03
CEN/TS 17720	Plant biostimulants – Determination of Enterococcaceae	65.080	2022-03
CEN/TS 17721	Plant biostimulants – Determination of the pH for liquid microbial plant biostimulants/pH in microbial products – Determination of pH	65.080	2022-03
CEN/TS 17722	Plant biostimulants – Determination of mycorrhizal fungi	65.080	2022-03
CEN/TS 17723	Plant biostimulants – Determination of chloride	65.080	2022-03
CEN/TS 17724	Plant biostimulants – Terminology	65.080	2022-03
CEN/TS 17725	Plant biostimulants – Determination of the quantity (indicated by mass or volume)	07.080	2022-03
CEN/TS 17742	Molecular in vitro diagnostic examinations – Specifications for pre-examination processes for venous whole blood – Isolated circulating cell free RNA from plasma	11.100.10	2022-03
CEN/TS 17743	Foodstuff – Determination of pesticide residues by ethyl acetate extraction using GC- and LC-MS/MS (SweEt)	67.050	2022-03
CEN/TS 17749	Fire extinguishing systems in commercial kitchens – System design, documentation, and test requirements – Fire test procedures for plenum and ducts	13.220.20	2022-03
CEN/TR 17797	Gas infrastructure – Consequences of hydrogen in the gas infrastructure and identification of related standardisation need in the scope of CEN/TC 234	01.120; 75.180.01	2022-03
CEN/TR 17809	Durability of wood and wood-based products – Remedial treatment of wood against insects by injection	71.100.50	2022-03
CWA 17858	Guidelines for Traditional Micro-SMEs' GDPR Compliance	03.160; 35.030; 35.240.63	2022-03
CWA 17865	Requirements and Guidelines for a complete end-to-end mobile forensic investigation chain	07.140	2022-03
EN ISO 489	Plastics – Determination of refractive index (ISO 489:2022)	83.080.01	2022-03

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EN ISO 638-2	Paper, board, pulps and cellulosic nanomaterials – Determination of dry matter content by oven-drying method – Part 2: Suspensions of cellulosic nanomaterials (ISO 638-2:2022)	85.040; 85.060	2022-03
EN ISO 772	Hydrometry – Vocabulary and symbols (ISO 772:2022)	01.040.17; 17.120.20	2022-03
EN ISO 788	Ultramarine pigments (ISO 788:2021)	87.060.10	2022-03
EN ISO 2078	Textile glass – Yarns – Designation (ISO 2078:2022)	59.100.10	2022-03
EN ISO 2080	Metallic and other inorganic coatings – Surface treatment, metallic and other inorganic coatings – Vocabulary (ISO 2080:2022)	01.040.25; 25.220.40	2022-03
EN ISO 3146	Plastics – Determination of melting behaviour (melting temperature or melting range) of semi-crystalline polymers by capillary tube and polarizing-microscope methods (ISO 3146:2022)	83.080.01	2022-03
EN ISO 3915	Plastics – Measurement of resistivity of conductive plastics (ISO 3915:2022)	83.080.01	2022-03
EN ISO 4671	Rubber and plastics hoses and hose assemblies – Methods of measurement of the dimensions of hoses and the lengths of hose assemblies (ISO 4671:2022)	23.040.70; 83.140.40	2022-03
EN ISO 5832-6	Implants for surgery – Metallic materials – Part 6: Wrought cobalt-nickel-chromium-molybdenum alloy (ISO 5832-6:2022)	11.040.40	2022-03
EN ISO 8130-4	Coating powders – Part 4: Calculation of lower explosion limit (ISO 8130-4:2021)	13.220.40; 87.040	2022-03
EN ISO 8536-15	Infusion equipment for medical use – Part 15: Light-protective infusion sets for single use (ISO 8536-15:2022)	11.040.20	2022-03
CEN ISO/TS 9241-126	Ergonomics of human-system interaction – Part 126: Guidance on the presentation of auditory information (ISO/TS 9241-126:2019)	13.180; 35.180	2022-03
EN ISO 9241-394	Ergonomics of human-system interaction – Part 394: Ergonomic requirements for reducing undesirable biomedical effects of visually induced motion sickness during watching electronic images (ISO 9241-394:2020)	13.180	2022-03
EN ISO 9241-940	Ergonomics of human-system interaction – Part 940: Evaluation of tactile and haptic interactions (ISO 9241-940:2017)	13.180; 35.180	2022-03
EN ISO 9241-971	Ergonomics of human-system interaction – Part 971: Accessibility of tactile/haptic interactive systems (ISO 9241-971:2020)	13.180; 35.180	2022-03
EN ISO 9647	Steel – Determination of vanadium content – Flame atomic absorption spectrometric method (FAAS) (ISO 9647:2020)	77.080.01	2022-03
EN ISO 9712	Non-destructive testing – Qualification and certification of NDT personnel (ISO 9712:2021)	03.100.30; 19.100	2022-03
EN ISO 10079-1	Medical suction equipment – Part 1: Electrically powered suction equipment (ISO 10079-1:2022)	11.040.10	2022-03
EN ISO 10087	Small craft – Craft identification – Coding system (ISO 10087:2022)	47.080	2022-03
EN ISO 10209	Technical product documentation – Vocabulary – Terms relating to technical drawings, product definition and related documentation (ISO 10209:2022)	01.040.01; 01.110	2022-03
EN ISO 10304-4	Water quality – Determination of dissolved anions by liquid chromatography of ions – Part 4: Determination of chlorate, chloride and chlorite in water with low contamination (ISO 10304-4:2022)	13.060.50	2022-03
EN ISO 10390	Soil, treated biowaste and sludge – Determination of pH (ISO 10390:2021)	13.080.10	2022-03
EN ISO 10423	Petroleum and natural gas industries – Drilling and production equipment – Wellhead and tree equipment (ISO 10423:2022)	75.180.10	2022-03
EN ISO/IEEE 11073-40101	Health informatics – Device interoperability – Part 40101: Foundational – Cybersecurity – Processes for vulnerability assessment (ISO/IEEE 11073-40101:2022)	35.240.80	2022-03

Oznaka norme	Naslov norme	ICS	Datum objave
EN ISO/IEEE 11073-40102	Health informatics – Device interoperability – Part 40102: Foundational – Cybersecurity – Capabilities for mitigation (ISO/IEEE 11073-40102:2022)	35.240.80	2022-03
EN ISO 11357-7	Plastics – Differential scanning calorimetry (DSC) – Part 7: Determination of crystallization kinetics (ISO 11357-7:2022)	83.080.01	2022-03
EN ISO 11652	Steel and iron – Determination of cobalt content – Flame atomic absorption spectrometric method (ISO 11652:1997)	77.080.01	2022-03
EN ISO 11806-1	Agricultural and forestry machinery – Safety requirements and testing for portable, hand-held, powered brush-cutters and grass-trimmers – Part 1: Machines fitted with an integral combustion engine (ISO 11806-1:2022)	65.060.80	2022-03
EN ISO 11806-2	Agricultural and forestry machinery – Safety requirements and testing for portable, hand-held, powered brush-cutters and grass-trimmers – Part 2: Machines for use with backpack power unit (ISO 11806-2:2022)	65.060.80	2022-03
EN ISO 13163	Water quality – Lead-210 – Test method using liquid scintillation counting (ISO 13163:2021)	13.060.60; 17.240	2022-03
EN ISO 13972	Health informatics – Clinical information models – Characteristics, structures and requirements (ISO 13972:2022)	35.240.80	2022-03
EN ISO 15013	Plastics – Extruded sheets of polypropylene (PP) – Requirements and test methods (ISO 15013:2022)	83.140.10	2022-03
EN ISO 16925	Paints and varnishes – Determination of the resistance of coatings to pressure water-jetting (ISO 16925:2021)	87.040	2022-03
EN ISO 17892-12/A2	Geotechnical investigation and testing – Laboratory testing of soil – Part 12: Determination of liquid and plastic limits – Amendment 2 (ISO 17892-12:2018/Amd 2:2022)	13.080.20; 93.020	2022-03
EN ISO 18203	Steel – Determination of the thickness of surface-hardened layers (ISO 18203:2016)	77.040.99	2022-03
EN ISO 19115-2/A1	Geographic information – Metadata – Part 2: Extensions for acquisition and processing – Amendment 1 (ISO 19115-2:2019/Amd 1:2022)	35.240.70	2022-03
EN ISO 19472-2	Machinery for forestry – Winches – Part 2: Traction aid winches (ISO 19472-2:2022)	65.060.80	2022-03
CEN ISO/TS 19807-1	Nanotechnologies – Magnetic nanomaterials – Part 1: Specification of characteristics and measurements for magnetic nanosuspensions (ISO/TS 19807-1:2019)	07.120	2022-03
EN ISO 20126	Dentistry – Manual toothbrushes – General requirements and test methods (ISO 20126:2022)	97.170	2022-03
EN ISO 20345	Personal protective equipment – Safety footwear (ISO 20345:2021)	13.340.50	2022-03
EN ISO 20346	Personal protective equipment – Protective footwear (ISO 20346:2021)	13.340.50	2022-03
EN ISO 20347	Personal protective equipment – Occupational footwear (ISO 20347:2021)	13.340.50	2022-03
CEN ISO/TS 21356-1	Nanotechnologies – Structural characterization of graphene – Part 1: Graphene from powders and dispersions (ISO/TS 21356-1:2021)	07.120	2022-03
EN ISO 22291	Safety requirements for wetlaid-nonwoven machinery (ISO 22291:2022)	59.120.01	2022-03
EN ISO 23875	Mining – Air quality control systems for operator enclosures – Performance requirements and test methods (ISO 23875:2021)	13.040.30; 73.020	2022-03
EN ISO 24444/A1	Cosmetics – Sun protection test methods – In vivo determination of the sun protection factor (SPF) – Amendment 1 (ISO 24444:2019/Amd 1:2022)	71.100.70	2022-03
EN ISO 27269	Health informatics – International patient summary (ISO 27269:2021)	35.240.80	2022-03
EN ISO 28927-13	Hand-held portable power tools – Test methods for evaluation of vibration emission – Part 13: Fastener driving tools (ISO 28927-13:2022)	13.160; 25.140.10	2022-03

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EN ISO 52120-1	Energy performance of buildings – Contribution of building automation, controls and building management – Part 1: General framework and procedures (ISO 52120-1:2021)	91.120.10	2022-03
CEN ISO/TR 52120-2	Energy performance of buildings – Contribution of building automation, controls and building management – Part 2: Explanation and justification of ISO 52120-1 (ISO/TR 52120-2:2021)	91.120.10	2022-03

Europska normizacija (CENELEC)

Oznaka norme	Naslov norme	ICS	Datum objave
CEN-CENELEC Guide 39	The role of standards in support of Technology Transfer	01.120; 03.140	2022-03
EN 50318/A1	Railway applications – Current collection systems – Validation of simulation of the dynamic interaction between pantograph and overhead contact line	29.280; 45.060.10	2022-03
EN 50341-2-22	Overhead electrical lines exceeding AC 1 kV – Part 2-22: National Normative Aspects (NNA) for Poland (based on EN 50341-1:2012)	29.240.20	2022-03
EN 50522	Earthing of power installations exceeding 1 kV a.c.	29.120.50	2022-03
EN IEC 60034-7	Rotating electrical machines – Part 7: Classification of types of construction, mounting arrangements and terminal box position (IM Code) (IEC 60034-7:2020)	29.160.01	2022-03
EN IEC 60034-18-32	Rotating electrical machines – Part 18-32: Functional evaluation of insulation systems (Type II) – Electrical endurance qualification procedures for form-wound windings (IEC 60034-18-32:2022)	29.080.30; 29.160.01	2022-03
EN IEC 60034-33	Rotating electrical machines – Part 33: Synchronous hydrogenerators including motor-generators – Specific requirements (IEC 60034-33:2022)	29.160.01; 29.160.20	2022-03
EN IEC 60335-2-82	Household and similar electrical appliances – Safety – Part 2-82: Particular requirements for amusement machines and personal service machines (IEC 60335-2-82:2017)	97.180; 97.200.40; 97.200.99	2022-03
EN IEC 60512-99-002	Connectors for electrical and electronic equipment – Tests and measurements – Part 99-002: Endurance test schedules – Test 99b: Test schedule for unmating under electrical load (IEC 60512-99-002:2022)	31.220.10	2022-03
EN IEC 60704-2-18	Household and similar electrical appliances – Test code for the determination of airborne acoustical noise – Part 2-18: Particular requirements for electric water heaters (IEC 60704-2-18:2022)	17.140.20; 91.140.65; 97.100.10	2022-03
EN IEC 60728-115	Cable networks for television signals, sound signals and interactive services – Part 115: In-building optical systems for broadcast signal transmissions (IEC 60728-115:2022)	33.060.40; 33.160.01; 33.170; 33.180.01	2022-03
EN 60730-1/A2	Automatic electrical controls – Part 1: General requirements (IEC 60730-1:2013/A2:2020)	97.120	2022-03
EN IEC 60751	Industrial platinum resistance thermometers and platinum temperature sensors (IEC 60751:2022)	17.200.20	2022-03
EN IEC 60793-2-10/A1	Optical fibres – Part 2-10: Product specifications – Sectional specification for category A1 multimode fibres (IEC 60793-2-10:2019/AMD1:2022)	33.180.10	2022-03
EN IEC 60794-1-404	Optical fibre cables – Part 1-404: Generic specification – Basic optical cable test procedures – Electrical test methods – Current- temperature test, method H4 (IEC 60794-1-404:2022)	33.180.10	2022-03
EN 60825-1/A11/AC	Safety of laser products – Part 1: Equipment classification and requirements	13.280; 31.260	2022-03
EN 61094-2/A1	Electroacoustics – Measurement microphones – Part 2: Primary method for pressure calibration of laboratory standard microphones by the reciprocity technique (IEC 61094-2:2009/AMD1:2022)	17.140.50; 33.160.50	2022-03
EN IEC 61169-1-5	Radio frequency connectors – Part 1-5: Electrical test methods – Rise time degradation (IEC 61169-1-5:2022)	33.120.10; 33.120.30	2022-03
EN IEC 61189-2-501	Test methods for electrical materials, printed boards and other interconnection structures and assemblies – Part 2-501: Test methods for materials for interconnection structures – Measurement of resilience strength and resilience strength retention factor of flexible dielectric materials (IEC 61189-2-501:2022)	31.180; 31.190	2022-03
EN IEC 61300-2-46/AC	Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 2-46: Tests – Damp heat, cyclic (IEC 61300-2-46:2019/COR1:2022)	33.180.20	2022-03

Oznaka norme	Naslov norme	ICS	Datum objave
EN IEC 61300-3-33	Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 3-33: Examinations and measurements – Withdrawal force from a resilient alignment sleeve using pin gauges (IEC 61300-3-33:2022)	33.180.20	2022-03
EN IEC 62150-6	Fibre optic active components and devices – Test and measurement procedures – Part 6: Universal mezzanine boards for test and measurement of photonic devices (IEC 62150-6:2022)	33.180.30	2022-03
EN IEC 62264-6	Enterprise-control system integration – Part 6: Messaging service model (IEC 62264-6:2020)	25.040.40; 35.100.70; 35.200; 35.240.50	2022-03
EN 62282-3-201/A1	Fuel cell technologies – Part 3-201: Stationary fuel cell power systems – Performance test methods for small fuel cell power systems (IEC 62282-3-201:2017/AMD1:2022)	27.070	2022-03
EN IEC 62442-1	Energy performance of lamp controlgear – Part 1: Controlgear for fluorescent lamps – Method of measurement to determine the total input power of controlgear circuits and the efficiency of controlgear (IEC 62442-1:2022)	29.140.99	2022-03
EN IEC 62442-2	Energy performance of lamp controlgear – Part 2: Controlgear for discharge lamps (excluding low-pressure mercury fluorescent lamps) – Method of measurement to determine the efficiency of controlgear (IEC 62442-2:2022)	29.140.99	2022-03
EN IEC 62442-3	Energy performance of lamp controlgear – Part 3: Controlgear for tungsten-halogen lamps and LED light sources – Method of measurement to determine the efficiency of controlgear (IEC 62442-3:2022)	29.140.99	2022-03
EN IEC 62872-2	Industrial-process measurement, control and automation – Part 2: Internet of Things (IoT) – Application framework for industrial facility demand response energy management (IEC 62872-2:2022)	25.040.40; 27.015; 29.240.01; 35.020; 35.240.50; 35.240.95	2022-03
EN IEC 63246-2	Configurable car infotainment services (CCIS) – Part 2: Requirements (IEC 63246-2:2022)	33.160.60; 33.160.99; 43.040.15	2022-03
EN IEC 63373	Dynamic on-resistance test method guidelines for GaN HEMT based power conversion devices (IEC 63373:2022)	31.080.30; 31.080.99	2022-03

Evropska normizacija (ETSI)

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI SR 000314 V 2.31.1	Intellectual Property Rights (IPRs) – Essential, or potentially Essential, IPRs notified to ETSI in respect of ETSI standards	01.120; 03.140; 33.020	2022-03
ETSI TS 102232-1 V 3.26.1	Lawful Interception (LI) – Handover Interface and Service-Specific Details (SSD) for IP delivery – Part 1: Handover specification for IP delivery	33.040.35	2022-03
ETSI TS 102232-7 V 3.11.1	Lawful Interception (LI) – Handover Interface and Service-Specific Details (SSD) for IP delivery – Part 7: Service-specific details for Mobile Services	33.040.35	2022-03
ETSI TS 102384 V 10.4.0	Smart Cards – UICC-Terminal interface – Card Application Toolkit (CAT) conformance specification (Release 10)	35.240.15	2022-03
ETSI TS 102384 V 11.0.0	Smart Cards – UICC-Terminal interface – Card Application Toolkit (CAT) conformance specification (Release 11)	35.240.15	2022-03
ETSI TS 102870-1 V 1.2.1	Intelligent Transport Systems (ITS) – Testing – Conformance test specifications for GeoNetworking Basic Transport Protocol (BTP) – Part 1: Test requirements and Protocol Implementation Conformance Statement (PICS) pro forma	35.240.60	2022-03
ETSI TS 102870-2 V 1.2.1	Intelligent Transport Systems (ITS) – Testing – Conformance test specifications for GeoNetworking Basic Transport Protocol (BTP) – Part 2: Test Suite Structure and Test Purposes (TSS&TP)	35.240.60	2022-03
ETSI TS 102870-3 V 1.2.1	Intelligent Transport Systems (ITS) – Testing – Conformance test specifications for GeoNetworking Basic Transport Protocol (BTP) – Part 3: Abstract Test Suite (ATS) and Protocol Implementation eXtra Information for Testing (PIXIT)	35.240.60	2022-03
ETSI TS 102871-1 V 1.5.1	Intelligent Transport Systems (ITS) – Testing – Conformance test specifications for GeoNetworking – Part 1: Test requirements and Protocol Implementation Conformance Statement (PICS) pro forma	35.240.60	2022-03
ETSI TS 102871-2 V 1.5.1	Intelligent Transport Systems (ITS) – Testing – Conformance test specifications for GeoNetworking – Part 2: Test Suite Structure and Test Purposes (TSS & TP)	35.240.60	2022-03
ETSI TS 102871-3 V 1.5.1	Intelligent Transport Systems (ITS) – Testing – Conformance test specifications for GeoNetworking – Part 3: Abstract Test Suite (ATS) and Protocol Implementation eXtra Information for Testing (PIXIT)	35.240.60	2022-03
ETSI TR 103099 V 1.5.1	Intelligent Transport Systems (ITS) – Architecture of conformance validation framework	35.240.60	2022-03
ETSI TS 103224 V 1.6.1	Speech and multimedia Transmission Quality (STQ) – A sound field reproduction method for terminal testing including a background noise database	33.040.01	2022-03
ETSI TS 103523-2 V 1.2.1	CYBER – Middlebox Security Protocol – Part 2: Transport layer MSP, profile for fine grained access control	33.040.99; 35.030	2022-03
ETSI TR 103621 V 1.1.1	Guide to Cyber Security for Consumer Internet of Things	33.040.99; 35.030	2022-03
ETSI TS 103640 V 1.2.1	Speech and multimedia Transmission Quality (STQ) – Test Methods and Performance Requirements for Active Noise Cancellation Headsets and other Earphones	33.040.01	2022-03
ETSI TS 103707 V 1.5.1	Lawful Interception (LI) – Handover for messaging services over HTTP/XML	33.040.35	2022-03
ETSI TR 103719 V 1.1.1	Guide to Identity-Based Cryptography	33.040.99; 35.030	2022-03
ETSI TR 103733 V 1.1.1	Speech and multimedia Transmission Quality (STQ) – Best practices of testing the performance of web content delivery	33.040.01	2022-03
ETSI TS 103848 V 1.1.1	Cyber Security for Home Gateways – Security Requirements as vertical from Consumer Internet of Things	33.040.99; 35.030	2022-03
ETSI TR 103854 V 1.1.1	LEA support services – Interfaces for Lawful Disclosure of vehicle-related data: scenarios, examples and recommendations	33.040.35	2022-03

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 123228 V 12.11.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – IP Multimedia Subsystem (IMS) – Stage 2 (3GPP TS 23.228 version 12.11.0 Release 12)	33.070.50	2022-03
ETSI TS 123228 V 13.9.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – IP Multimedia Subsystem (IMS) – Stage 2 (3GPP TS 23.228 version 13.9.0 Release 13)	33.070.50	2022-03
ETSI TS 124484 V 13.11.0	LTE – Mission Critical Services (MCS) configuration management – Protocol specification (3GPP TS 24.484 version 13.11.0 Release 13)	33.070.99	2022-03
ETSI TS 124484 V 14.11.0	LTE – Mission Critical Services (MCS) configuration management – Protocol specification (3GPP TS 24.484 version 14.11.0 Release 14)	33.070.99	2022-03
ETSI TS 124484 V 15.10.0	LTE – Mission Critical Services (MCS) configuration management – Protocol specification (3GPP TS 24.484 version 15.10.0 Release 15)	33.070.99	2022-03
ETSI TS 124484 V 16.10.0	LTE – Mission Critical Services (MCS) configuration management – Protocol specification (3GPP TS 24.484 version 16.10.0 Release 16)	33.070.99	2022-03
ETSI TS 124581 V 15.7.0	LTE – Mission Critical Video (MCVideo) media plane control – Protocol specification (3GPP TS 24.581 version 15.7.0 Release 15)	33.070.99	2022-03
ETSI TS 126445 V 12.15.0	Universal Mobile Telecommunications System (UMTS) – LTE – Codec for Enhanced Voice Services (EVS) – Detailed algorithmic description (3GPP TS 26.445 version 12.15.0 Release 12)	33.070.50	2022-03
ETSI TS 136104 V 14.11.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Base Station (BS) radio transmission and reception (3GPP TS 36.104 version 14.11.0 Release 14)	33.070.50	2022-03
ETSI TS 136104 V 15.14.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Base Station (BS) radio transmission and reception (3GPP TS 36.104 version 15.14.0 Release 15)	33.070.50	2022-03
ETSI TS 136104 V 16.12.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Base Station (BS) radio transmission and reception (3GPP TS 36.104 version 16.12.0 Release 16)	33.070.50	2022-03
ETSI TS 136124 V 15.3.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Electromagnetic compatibility (EMC) requirements for mobile terminals and ancillary equipment (3GPP TS 36.124 version 15.3.0 Release 15)	33.070.50	2022-03
ETSI TS 136124 V 16.2.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Electromagnetic compatibility (EMC) requirements for mobile terminals and ancillary equipment (3GPP TS 36.124 version 16.2.0 Release 16)	33.070.50	2022-03
ETSI TS 136141 V 14.14.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Base Station (BS) conformance testing (3GPP TS 36.141 version 14.14.0 Release 14)	33.070.50	2022-03
ETSI TS 136141 V 15.15.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Base Station (BS) conformance testing (3GPP TS 36.141 version 15.15.0 Release 15)	33.070.50	2022-03
ETSI TS 136141 V 16.12.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Base Station (BS) conformance testing (3GPP TS 36.141 version 16.12.0 Release 16)	33.070.50	2022-03
ETSI TS 136579-1 V 15.4.0	LTE – Mission Critical (MC) services over LTE – Part 1: Common test environment (3GPP TS 36.579-1 version 15.4.0 Release 15)	33.070.99	2022-03
ETSI TS 136579-2 V 15.2.0	LTE – Mission Critical (MC) services over LTE – Part 2: Mission Critical Push To Talk (MCPTT) User Equipment (UE) Protocol conformance specification (3GPP TS 36.579-2 version 15.2.0 Release 15)	33.070.99	2022-03
ETSI TS 137104 V 14.8.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – NR, E-UTRA, UTRA and GSM/EDGE – Multi-Standard Radio (MSR) Base Station (BS) radio transmission and reception (3GPP TS 37.104 version 14.8.0 Release 14)	33.070.50	2022-03

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 137104 V 15.15.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – NR, E-UTRA, UTRA and GSM/EDGE – Multi-Standard Radio (MSR) Base Station (BS) radio transmission and reception (3GPP TS 37.104 version 15.15.0 Release 15)	33.070.50	2022-03
ETSI TS 137104 V 16.12.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – NR, E-UTRA, UTRA and GSM/EDGE – Multi-Standard Radio (MSR) Base Station (BS) radio transmission and reception (3GPP TS 37.104 version 16.12.0 Release 16)	33.070.50	2022-03
ETSI TS 137105 V 14.8.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Active Antenna System (AAS) Base Station (BS) transmission and reception (3GPP TS 37.105 version 14.8.0 Release 14)	33.070.99	2022-03
ETSI TS 137105 V 15.15.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Active Antenna System (AAS) Base Station (BS) transmission and reception (3GPP TS 37.105 version 15.15.0 Release 15)	33.070.99	2022-03
ETSI TS 137105 V 16.10.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Active Antenna System (AAS) Base Station (BS) transmission and reception (3GPP TS 37.105 version 16.10.0 Release 16)	33.070.99	2022-03
ETSI TS 137141 V 14.14.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – NR, E-UTRA, UTRA and GSM/EDGE – Multi-Standard Radio (MSR) Base Station (BS) conformance testing (3GPP TS 37.141 version 14.14.0 Release 14)	33.070.50	2022-03
ETSI TS 137141 V 15.16.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – NR, E-UTRA, UTRA and GSM/EDGE – Multi-Standard Radio (MSR) Base Station (BS) conformance testing (3GPP TS 37.141 version 15.16.0 Release 15)	33.070.50	2022-03
ETSI TS 137141 V 16.12.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – NR, E-UTRA, UTRA and GSM/EDGE – Multi-Standard Radio (MSR) Base Station (BS) conformance testing (3GPP TS 37.141 version 16.12.0 Release 16)	33.070.50	2022-03
ETSI TS 137145-1 V 14.11.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Active Antenna System (AAS) Base Station (BS) conformance testing – Part 1: conducted conformance testing (3GPP TS 37.145-1 version 14.11.0 Release 14)	33.070.99	2022-03
ETSI TS 137145-1 V 15.12.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Active Antenna System (AAS) Base Station (BS) conformance testing – Part 1: conducted conformance testing (3GPP TS 37.145-1 version 15.12.0 Release 15)	33.070.99	2022-03
ETSI TS 137145-1 V 16.9.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Active Antenna System (AAS) Base Station (BS) conformance testing – Part 1: conducted conformance testing (3GPP TS 37.145-1 version 16.9.0 Release 16)	33.070.99	2022-03
ETSI TS 137145-2 V 15.13.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Active Antenna System (AAS) Base Station (BS) conformance testing – Part 2: radiated conformance testing (3GPP TS 37.145-2 version 15.13.0 Release 15)	33.070.99	2022-03
ETSI TS 137145-2 V 16.10.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Active Antenna System (AAS) Base Station (BS) conformance testing – Part 2: radiated conformance testing (3GPP TS 37.145-2 version 16.10.0 Release 16)	33.070.99	2022-03
ETSI TR 137941 V 16.4.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Radio Frequency (RF) conformance testing background for radiated Base Station (BS) requirements (3GPP TR 37.941 version 16.4.0 Release 16)	33.070.50	2022-03
ETSI TS 138101-2 V 15.16.0	5G – NR – User Equipment (UE) radio transmission and reception – Part 2: Range 2 Standalone (3GPP TS 38.101-2 version 15.16.0 Release 15)	33.070.99	2022-03
ETSI TS 138101-3 V 15.16.0	5G – NR – User Equipment (UE) radio transmission and reception – Part 3: Range 1 and Range 2 Interworking operation with other radios (3GPP TS 38.101-3 version 15.16.0 Release 15)	33.070.99	2022-03

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 138101-3 V 16.10.0	5G – NR – User Equipment (UE) radio transmission and reception – Part 3: Range 1 and Range 2 Interworking operation with other radios (3GPP TS 38.101-3 version 16.10.0 Release 16)	33.070.99	2022-03
ETSI TS 138101-4 V 15.12.0	5G – NR – User Equipment (UE) radio transmission and reception – Part 4: Performance requirements (3GPP TS 38.101-4 version 15.12.0 Release 15)	33.070.99	2022-03
ETSI TS 138101-4 V 16.7.0	5G – NR – User Equipment (UE) radio transmission and reception – Part 4: Performance requirements (3GPP TS 38.101-4 version 16.7.0 Release 16)	33.070.99	2022-03
ETSI TS 138104 V 15.16.0	5G – NR – Base Station (BS) radio transmission and reception (3GPP TS 38.104 version 15.16.0 Release 15)	33.070.99	2022-03
ETSI TS 138104 V 16.10.0	5G – NR – Base Station (BS) radio transmission and reception (3GPP TS 38.104 version 16.10.0 Release 16)	33.070.99	2022-03
ETSI TS 138141-1 V 15.11.0	5G – NR – Base Station (BS) conformance testing Part 1: Conducted conformance testing (3GPP TS 38.141-1 version 15.11.0 Release 15)	33.070.99	2022-03
ETSI TS 138141-1 V 16.10.0	5G – NR – Base Station (BS) conformance testing Part 1: Conducted conformance testing (3GPP TS 38.141-1 version 16.10.0 Release 16)	33.070.99	2022-03
ETSI TS 138141-2 V 15.12.0	5G – NR – Base Station (BS) conformance testing Part 2: Radiated conformance testing (3GPP TS 38.141-2 version 15.12.0 Release 15)	33.070.99	2022-03
ETSI TS 138141-2 V 16.10.0	5G – NR – Base Station (BS) conformance testing Part 2: Radiated conformance testing (3GPP TS 38.141-2 version 16.10.0 Release 16)	33.070.99	2022-03
ETSI TS 138171 V 16.3.0	5G – NR – Requirements for support of Assisted Global Navigation Satellite System (A-GNSS) (3GPP TS 38.171 version 16.3.0 Release 16)	33.070.99	2022-03
ETSI TS 138174 V 16.5.0	5G – NR – Integrated Access and Backhaul (IAB) radio transmission and reception (3GPP TS 38.174 version 16.5.0 Release 16)	33.070.99	2022-03
ETSI TS 138176-1 V 16.2.0	5G – NR – Integrated Access and Backhaul (IAB) conformance testing – Part 1: Conducted conformance testing (3GPP TS 38.176-1 version 16.2.0 Release 16)	33.070.99	2022-03
ETSI TS 138176-2 V 16.2.0	5G – NR – Integrated Access and Backhaul (IAB) conformance testing – Part 2: Radiated conformance testing (3GPP TS 38.176-2 version 16.2.0 Release 16)	33.070.99	2022-03
ETSI TS 138307 V 16.9.0	5G – NR – Requirements on User Equipments (UEs) supporting a release-independent frequency band (3GPP TS 38.307 version 16.9.0 Release 16)	33.070.99	2022-03
ETSI GS F5G 005 V 1.1.1	Fifth Generation Fixed Network (F5G) F5G High-Quality Service Experience Factors Release #1	33.070.99; 35.110	2022-03
ETSI GR CIM 007 V 1.1.2	Context Information Management (CIM) – Security and Privacy	35.080	2022-03
ETSI GR ENI 012 V 1.1.1	Experiential Networked Intelligence (ENI) – Reactive In-situ Flow Information Telemetry	35.080	2022-03
ETSI GR SAI 006 V 1.1.1	Securing Artificial Intelligence (SAI) – The role of hardware in security of AI	35.030; 35.240.01	2022-03
ETSI GS MEC 003 V 3.1.1	Multi-access Edge Computing (MEC) – Framework and Reference Architecture	33.070.99	2022-03
ETSI GS mWT 024 V 1.1.1	millimetre Wave Transmission (mWT) – Definition of a Wireless Transport Profile for Standard SDN Northbound Interfaces	33.040.20	2022-03
ETSI GS NFV-SOL 006 V 3.6.1	Network Functions Virtualisation (NFV) Release 3 – Protocols and Data Models – NFV descriptors based on YANG Specification	35.110	2022-03
EN 300674-2-1 V 3.1.1	Transport and Traffic Telematics (TTT) – Dedicated Short Range Communication (DSRC) transmission equipment (500 kbit/s / 250 kbit/s) operating in the 5795 MHz to 5815 MHz frequency band – Part 2: Harmonised Standard for access to radio spectrum – Sub-part 1: Road Side Units (RSU)	33.060.20	2022-03

Oznaka norme	Naslov norme	ICS	Datum objave
EN 301598 V 2.2.1	TV White Space Devices (TVWSD) – Wireless Access Systems operating in the 470 MHz to 694 MHz TV broadcast band – Harmonised Standard for access to radio spectrum	33.040.99; 33.060.20; 33.160.25; 33.170	2022-03
EN 303722 V 1.2.1	Wideband Data Transmission Systems (WDTS) for Fixed Network Radio Equipment operating in the 57 GHz to 71 GHz band – Harmonised Standard for access to radio spectrum	33.060.20	2022-03

Međunarodna normizacija (ISO)

Oznaka norme	Naslov norme	ICS	Datum objave
IEC 81346-1	Industrial systems, installations and equipment and industrial products – Structuring principles and reference designations – Part 1: Basic rules	01.110; 29.020	2022-03
ISO 230-10	Test code for machine tools – Part 10: Determination of the measuring performance of probing systems of numerically controlled machine tools	25.080.01	2022-03
ISO 489	Plastics – Determination of refractive index	83.080.01	2022-03
ISO 638-1	Paper, board, pulps and cellulosic nanomaterials – Determination of dry matter content by oven-drying method – Part 1: Materials in solid form	85.040; 85.060	2022-03
ISO 638-2	Paper, board, pulps and cellulosic nanomaterials – Determination of dry matter content by oven-drying method – Part 2: Suspensions of cellulosic nanomaterials	85.040; 85.060	2022-03
ISO 2078	Textile glass – Yarns – Designation	59.100.10	2022-03
ISO 2080	Metallic and other inorganic coatings – Surface treatment, metallic and other inorganic coatings – Vocabulary	01.040.25; 25.220.40	2022-03
ISO 3030	Rolling bearings – Radial needle roller and cage assemblies – Boundary dimensions, geometrical product specifications (GPS) and tolerance values	17.040.40; 21.100.20	2022-03
ISO 3146	Plastics – Determination of melting behaviour (melting temperature or melting range) of semi-crystalline polymers by capillary tube and polarizing-microscope methods	83.080.01	2022-03
ISO 3459	Plastic piping systems – Mechanical joints between fittings and pressure pipes – Test method for leaktightness under negative pressure	23.040.60	2022-03
ISO 3520	Essential oil of bergamot [Citrus bergamia Risso et Poit], Calabrian type	71.100.60	2022-03
ISO 3749	Glass syringes – Determination of extractable tungsten	11.040.25	2022-03
ISO 4373	Hydrometry – Water level measuring devices	17.120.20	2022-03
ISO 4671	Rubber and plastics hoses and hose assemblies – Methods of measurement of the dimensions of hoses and the lengths of hose assemblies	23.040.70; 83.140.40	2022-03
ISO 4781	Building and civil engineering sealants – Determination of application life	91.100.50	2022-03
ISO/PAS 5112	Road vehicles – Guidelines for auditing cybersecurity engineering	03.120.20; 43.040.15	2022-03
ISO/TS 5255-1	Intelligent transport systems – Low-speed automated driving system (LSADS) service – Part 1: Role and functional model	03.220.20; 35.240.60	2022-03
ISO 5402-1	Leather – Determination of flex resistance – Part 1: Flexometer method	59.140.30	2022-03
ISO 5832-5	Implants for surgery – Metallic materials – Part 5: Wrought cobalt-chromium-tungsten-nickel	11.040.40	2022-03
ISO 5832-6	Implants for surgery – Metallic materials – Part 6: Wrought cobalt-nickel-chromium-molybdenum alloy	11.040.40	2022-03
ISO 6183	Fire protection equipment – Carbon dioxide extinguishing systems for use on premises – Design and installation	13.220.10	2022-03
ISO 7176-14	Wheelchairs – Part 14: Power and control systems for electrically powered wheelchairs and scooters – Requirements and test methods	11.180.10	2022-03
ISO 7507-2	Petroleum and liquid petroleum products – Calibration of vertical cylindrical tanks – Part 2: Optical-reference-line method or electro-optical distance-ranging method	75.180.30	2022-03
ISO/TR 7655	Corrosion of metals and alloys – Overview of metal corrosion protection when using disinfectants	77.060	2022-03
ISO 8115-1	Cotton bales – Part 1: Dimensions and density	59.060.10	2022-03
ISO 8115-3	Cotton bales – Part 3: Packaging and labelling	59.060.10	2022-03
ISO 8330	Rubber and plastics hoses and hose assemblies – Vocabulary	01.040.23; 23.040.70	2022-03
ISO 8536-15	Infusion equipment for medical use – Part 15: Light-protective infusion sets for single use	11.040.20	2022-03

Oznaka norme	Naslov norme	ICS	Datum objave
ISO 9016	Destructive tests on welds in metallic materials – Impact tests – Test specimen location, notch orientation and examination	25.160.40	2022-03
ISO 9211-4	Optics and photonics – Optical coatings – Part 4: Specific test methods: abrasion, adhesion and resistance to water	37.020	2022-03
ISO 9488	Solar energy – Vocabulary	01.040.27; 27.160	2022-03
ISO 9735-11	Electronic data interchange for administration, commerce and transport (EDIFACT) – Application level syntax rules (Syntax version number: 4, Syntax release number: 1) – Part 11: Version 3 compatible profile for Version 4 of ISO 9735	35.240.63	2022-03
ISO 10079-1	Medical suction equipment – Part 1: Electrically powered suction equipment	11.040.10	2022-03
ISO 10079-2	Medical suction equipment – Part 2: Manually powered suction equipment	11.040.10	2022-03
ISO 10079-3	Medical suction equipment – Part 3: Suction equipment powered from a vacuum or positive pressure gas source	11.040.10	2022-03
ISO/TS 10303-17	Industrial automation systems and integration – Product data representation and exchange – Part 17: Description methods: EXPRESS to SysML CXMI transformation	25.040.40; 35.240.50	2022-03
ISO 10304-4	Water quality – Determination of dissolved anions by liquid chromatography of ions – Part 4: Determination of chlorate, chloride and chlorite in water with low contamination	13.060.50	2022-03
ISO 10326-2	Mechanical vibration – Laboratory method for evaluating vehicle seat vibration – Part 2: Application to railway vehicles	13.160; 45.060.01	2022-03
ISO 10423	Petroleum and natural gas industries – Drilling and production equipment – Wellhead and tree equipment	75.180.10	2022-03
ISO 10545-18	Ceramic tiles – Part 18: Determination of light reflectance value (LRV)	91.100.23	2022-03
ISO 11093-4	Paper and board – Testing of cores – Part 4: Measurement of dimensions	85.060	2022-03
ISO 11171	Hydraulic fluid power – Calibration of automatic particle counters for liquids	23.100.60	2022-03
ISO 11257	Iron ores for shaft direct-reduction feedstocks – Determination of the low-temperature reduction-disintegration index and degree of metallization	73.060.10	2022-03
ISO 11357-7	Plastics – Differential scanning calorimetry (DSC) – Part 7: Determination of crystallization kinetics	83.080.01	2022-03
ISO 11358-1	Plastics – Thermogravimetry (TG) of polymers – Part 1: General principles	83.080.01	2022-03
ISO 11681-1	Machinery for forestry – Portable chain-saw safety requirements and testing – Part 1: Chain-saws for forest service	65.060.80	2022-03
ISO 11681-2	Machinery for forestry – Portable chain-saw safety requirements and testing – Part 2: Chain-saws for tree service	65.060.80	2022-03
ISO 11850 AMD 2	Machinery for forestry – General safety requirements – Amendment 2: Access to operator's station and maintenance locations	65.060.80	2022-03
ISO/TS 12835	Qualification of casing connections for thermal wells	75.180.10; 75.200	2022-03
ISO 13050	Synchronous belt drives – Metric pitch, curvilinear profile systems G, H, R and S, belts and pulleys	21.220.10	2022-03
ISO/TR 14055-2	Environmental management – Guidelines for establishing good practices for combatting land degradation and desertification – Part 2: Regional case studies	13.020.01	2022-03
ISO 14222	Space environment (natural and artificial) – Earth's atmosphere from ground level upward	49.140	2022-03
ISO 14229-3	Road vehicles – Unified diagnostic services (UDS) – Part 3: Unified diagnostic services on CAN implementation (UDSonCAN)	43.180	2022-03

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ISO 15590-3	Petroleum and natural gas industries – Factory bends, fittings and flanges for pipeline transportation systems – Part 3: Flanges	75.200	2022-03
ISO 15924	Information and documentation – Codes for the representation of names of scripts	01.140.10; 01.140.20	2022-03
ISO 17109	Surface chemical analysis – Depth profiling – Method for sputter rate determination in X-ray photoelectron spectroscopy, Auger electron spectroscopy and secondary-ion mass spectrometry sputter depth profiling using single and multi-layer thin films	71.040.40	2022-03
ISO/TS 17117-2	Health informatics – Terminological resources – Part 2: Implementation Capability (TIC)	01.020; 35.240.80	2022-03
ISO 17439	Health informatics – Development of terms and definitions for health informatics glossaries	35.240.80	2022-03
ISO 17506	Industrial automation systems and integration – COLLADATM digital asset schema specification for 3D visualization of industrial data	25.040.40	2022-03
ISO 17593	Clinical laboratory testing and in vitro medical devices – Requirements for in vitro monitoring systems for self-testing of oral anticoagulant therapy	11.100.20	2022-03
ISO 17892-12 AMD 2	Geotechnical investigation and testing – Laboratory testing of soil – Part 12: Determination of liquid and plastic limits; Amendment 2	13.080.20; 93.020	2022-03
ISO/TR 18228-4	Design using geosynthetics – Part 4: Drainage	59.080.70	2022-03
ISO 18283	Coal and coke – Manual sampling	73.040; 75.160.10	2022-03
ISO 18752	Rubber hoses and hose assemblies – Wire- or textile-reinforced single-pressure types for hydraulic applications – Specification	23.040.70	2022-03
ISO 19115-2 AMD 1	Geographic information – Metadata – Part 2: Extensions for acquisition and processing; Amendment 1	35.240.70	2022-03
ISO/TS 19130-3	Geographic information – Imagery sensor models for geopositioning – Part 3: Implementation schema	35.240.70	2022-03
ISO 19712-3	Plastics – Decorative solid surfacing materials – Part 3: Determination of properties – Solid surface shapes	83.140.20	2022-03
ISO 20126	Dentistry – Manual toothbrushes – General requirements and test methods	97.170	2022-03
ISO/TS 20342-10	Assistive products for tissue integrity when lying down – Part 10: Guidance to cleaning, disinfecting and care of polyurethane APTI covers	11.180.01	2022-03
ISO 20397-1	Biotechnology – Massively parallel sequencing – Part 1: Nucleic acid and library preparation	07.080	2022-03
ISO 20710-1	Fire safety engineering – Active fire protection systems – Part 1: General principles	13.220.01	2022-03
ISO 21368	Adhesives – Guidelines for the fabrication of adhesively bonded structures and reporting procedures suitable for the risk evaluation of such structures	83.180	2022-03
ISO/TS 21486	Glass in building – Retesting requirements for laminated solar photovoltaic glass for use in buildings	27.160; 81.040.20	2022-03
ISO 22434	Gas cylinders – Inspection and maintenance of valves	23.020.35; 23.060.01	2022-03
ISO 22585	Traditional Chinese medicine – Codonopsis pilosula root	11.120.10	2022-03
ISO 22586	Traditional Chinese medicine – Paeonia lactiflora root – White peony root	11.120.10	2022-03
ISO 22834	Large yachts – Quality assessment of life onboard – Stabilization and sea keeping	47.040	2022-03
ISO 22942-1	Molecular biomarker analysis – Isothermal polymerase chain reaction (isoPCR) methods – Part 1: General requirements	67.050	2022-03
ISO 23135	Space systems – Verification programme and management process	49.140	2022-03
ISO 23213	Carbon steel wire for bedding and seating springs	77.140.25	2022-03

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ISO 23319; IDF 250	Cheese and processed cheese products, caseins and caseinates – Determination of fat content – Gravimetric method	67.100.30	2022-03
ISO 23537-1	Requirements for sleeping bags – Part 1: Thermal, mass and dimensional requirements for sleeping bags designed for limit temperatures of -20°C and higher	97.200.30	2022-03
ISO 23575	Ships and marine technology – Marine securing devices for ro-ro cargoes	47.020.40	2022-03
ISO 23717	Steel wire and wire products – Hose reinforcement wire	77.140.65	2022-03
ISO 23721	Corrosion of metals and alloys – Rating method by appearance of rust and stains of atmospheric corrosion for stainless steels	77.060	2022-03
ISO 23766	Thermal insulating products for industrial installations – Determination of the coefficient of linear thermal expansion at sub-ambient temperatures	91.100.60	2022-03
ISO 23965	Traditional Chinese medicine – Bupleurum chinense, Bupleurum scorzonerifolium and Bupleurum falcatum root	11.120.10	2022-03
ISO 24195	Road vehicles – Vocabulary and characteristics for engineering of starting devices	01.040.43; 43.060.50	2022-03
ISO 24338	Laminate floor coverings – Determination of abrasion resistance	97.150	2022-03
ISO 24376	Rubber, raw natural – Guidelines and requirements for technically specified low-protein natural rubber	83.040.10	2022-03
ISO 24444 AMD 1	Cosmetics – Sun protection test methods – In vivo determination of the sun protection factor (SPF); Amendment 1	71.100.70	2022-03
ISO/TR 24666	Sports and recreational facilities – Probes for entrapment/entanglement on playground equipment – Collection of data	97.200.40	2022-03
ISO 26303	Machine tools – Short-term capability evaluation of machining processes on metal-cutting machine tools	25.080.01	2022-03
ISO 26367-3	Guidelines for assessing the adverse environmental impact of fire effluents – Part 3: Sampling and analysis	13.220.01	2022-03
ISO 28000	Security and resilience – Security management systems – Requirements	03.100.01; 03.100.70	2022-03
ISO 29463-5	High-efficiency filters and filter media for removing particles in air – Part 5: Test method for filter elements	91.140.30	2022-03
ISO 52032-1	Energy performance of buildings – Energy requirements and efficiencies of heating, cooling and domestic hot water (DHW) distribution systems – Part 1: Calculation procedures	91.120.10	2022-03

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CISPR 16-1-6 AMD 2	Specification for radio disturbance and immunity measuring apparatus and methods – Part 1-6: Radio disturbance and immunity measuring apparatus – EMC antenna calibration; Amendment 2	33.100.01; 33.100.10; 33.100.20	2022-03
CISPR 16-1-6 Edition 1.2	Specification for radio disturbance and immunity measuring apparatus and methods – Part 1-6: Radio disturbance and immunity measuring apparatus – EMC antenna calibration	33.100.01; 33.100.10; 33.100.20	2022-03
IEC 91/1781/DPAS	Printed board assemblies – Part 10: Application and utilization of protective coatings for electronic assemblies	31.180	2022-03
IEC 101/654/DPAS	Electrostatics – Part 5-6: Protection of electronic devices from electrostatic phenomena – Process Assessment Techniques	17.220.20; 31.020	2022-03
IEC 60072-1	Rotating electrical machines – Dimensions and output series – Part 1: Frame numbers 56 to 400 and flange numbers 55 to 1080	29.160.01	2022-03
IEC 60118-16	Electroacoustics – Hearing aids – Part 16: Definition and verification of hearing aid features	11.180.15; 17.140.50	2022-03
IEC 60300-3-4	Dependability management – Part 3-4: Application guide – Specification of dependability requirements	03.100.40; 03.120.01; 03.120.10; 29.020	2022-03
IEC 60477-1	Laboratory resistors – Part 1: Laboratory DC resistors	17.220.20; 31.040.01	2022-03
IEC 60477-2	Laboratory resistors – Part 2: Laboratory AC resistors	17.220.20; 31.040.01	2022-03
IEC 60587	Electrical insulating materials used under severe ambient conditions – Test methods for evaluating resistance to tracking and erosion	17.220.99; 29.035.01	2022-03
IEC 60645-6	Electroacoustics – Audiometric equipment – Part 6: Instruments for the measurement of otoacoustic emissions	13.140; 17.140.50	2022-03
IEC 60747-5-14	Semiconductor devices – Part 5-14: Optoelectronic devices – Light emitting diodes – Test method of the surface temperature based on the thermoreflectance method	31.080.99; 31.260	2022-03
IEC 60749-28	Semiconductor devices – Mechanical and climatic test methods – Part 28: Electrostatic discharge (ESD) sensitivity testing – Charged device model (CDM) – device level	31.080.01	2022-03
IEC 60794-1-220	Optical fibre cables – Part 1-220: Generic specification – Basic optical cable test procedures – Environmental test methods – Salt spray corrosion test, method F20	33.180.10	2022-03
IEC/TR 60825-14	Safety of laser products – Part 14: A user's guide	13.280; 31.260	2022-03
IEC/TS 60871-2 AMD 1	Shunt capacitors for a.c. power systems having a rated voltage above 1000 V – Part 2: Endurance testing; Amendment 1	29.240.99; 31.060.70	2022-03
IEC/TS 60871-2 Edition 3.1	Shunt capacitors for a.c. power systems having a rated voltage above 1000 V – Part 2: Endurance testing	29.240.99; 31.060.70	2022-03
IEC 61169-17	Radio-frequency connectors – Part 17: Sectional specification for RF coaxial connectors with inner diameter of outer conductor 6,5 mm (0,256 in) with screw coupling – Characteristic impedance 50 ohms (Type TNC)	33.120.30	2022-03
IEC 61196-9-2	Coaxial communication cables – Part 9-2: Detail specification for 50-0,4 type RF flexible cables	33.120.10	2022-03
IEC 61196-11	Coaxial communication cables – Part 11: Sectional specification for semi-rigid cables with polyethylene (PE) dielectric	33.120.10	2022-03
IEC 61196-11-1	Coaxial communication cables – Part 11-1: Blank detail specification for semi-rigid cables with polyethylene (PE) dielectric	33.120.10	2022-03
IEC 61215-1-2 AMD 1	Terrestrial photovoltaic (PV) modules – Design qualification and type approval – Part 1-2: Special requirements for testing of thin-film Cadmium Telluride (CdTe) based photovoltaic (PV) modules; Amendment 1	27.160	2022-03

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IEC 61215-1-2 Edition 2.1	Terrestrial photovoltaic (PV) modules – Design qualification and type approval – Part 1-2: Special requirements for testing of thin-film Cadmium Telluride (CdTe) based photovoltaic (PV) modules	27.160	2022-03
IEC 61215-1-3 AMD 1	Terrestrial photovoltaic (PV) modules – Design qualification and type approval – Part 1-3: Special requirements for testing of thin-film amorphous silicon based photovoltaic (PV) modules; Amendment 1	27.160	2022-03
IEC 61215-1-3 Edition 2.1	Terrestrial photovoltaic (PV) modules – Design qualification and type approval – Part 1-3: Special requirements for testing of thin-film amorphous silicon based photovoltaic (PV) modules	27.160	2022-03
IEC 61215-1-4 AMD 1	Terrestrial photovoltaic (PV) modules – Design qualification and type approval – Part 1-4: Special requirements for testing of thin-film Cu(In,Ga)(S,Se) ₂ based photovoltaic (PV) modules; Amendment 1	27.160	2022-03
IEC 61215-1-4 Edition 2.1	Terrestrial photovoltaic (PV) modules – Design qualification and type approval – Part 1-4: Special requirements for testing of thin-film Cu(In,Ga)(S,Se) ₂ based photovoltaic (PV) modules	27.160	2022-03
IEC 61675-1	Radionuclide imaging devices – Characteristics and test conditions – Part 1: Positron emission tomographs	11.040.50	2022-03
IEC 61689	Ultrasonics – Physiotherapy systems – Field specifications and methods of measurement in the frequency range 0,5 MHz to 5 MHz	11.040.60	2022-03
IEC 61757-3-2	Fibre optic sensors – Part 3-2: Acoustic sensing and vibration measurement – Distributed sensing	33.180.99	2022-03
IEC 61850-5 AMD 1	Communication networks and systems for power utility automation – Part 5: Communication requirements for functions and device models; Amendment 1	33.040.40; 33.200	2022-03
IEC 61850-5 Edition 2.1	Communication networks and systems for power utility automation – Part 5: Communication requirements for functions and device models	33.040.40; 33.200	2022-03
IEC 61918 AMD 1	Industrial communication networks – Installation of communication networks in industrial premises; Amendment 1	25.040.40; 33.020; 33.180.01; 35.110; 35.240.50	2022-03
IEC 61918 Edition 4.1	Industrial communication networks – Installation of communication networks in industrial premises	25.040.40; 33.020; 33.180.01; 35.110; 35.240.50	2022-03
IEC 62127-1	Ultrasonics – Hydrophones – Part 1: Measurement and characterization of medical ultrasonic fields	11.040.60; 17.140.50	2022-03
IEC/TS 62257-7-2	Recommendations for renewable energy and hybrid systems for rural electrification – Part 7-2: Generator set – Off-grid wind turbines	27.180; 27.190; 29.160.20	2022-03
IEC 62271-209 AMD 1	High-voltage switchgear and controlgear – Part 209: Cable connections for gas-insulated metal-enclosed switchgear for rated voltages above 52 kV – Fluid-filled and extruded insulation cables – Fluidfilled and dry-type cable-terminations; Amendment 1	29.130.10	2022-03
IEC 62271-209 Edition 2.1	High-voltage switchgear and controlgear – Part 209: Cable connections for gas-insulated metal-enclosed switchgear for rated voltages above 52 kV – Fluid-filled and extruded insulation cables – Fluidfilled and dry-type cable-terminations	29.130.10	2022-03
IEC 62325-451-8	Framework for energy market communications – Part 451-8: HVDC Scheduling process, contextual and assembly models for European style market	29.240.01; 33.200; 35.240.50; 35.240.63	2022-03
IEC/TR 62543	High-voltage direct current (HVDC) power transmission using voltage sourced converters (VSC)	29.200; 29.240.10; 29.240.99	2022-03
IEC 62641	Conductors for overhead lines – Aluminium and aluminium alloy wires for concentric lay stranded conductors	29.060.01; 29.240.20	2022-03
IEC 62660-3	Secondary lithium-ion cells for the propulsion of electric road vehicles – Part 3: Safety requirements	29.220.20; 43.120	2022-03

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IEC 62714-5	Engineering data exchange format for use in industrial automation systems engineering – Automation markup language – Part 5: Communication	25.040.01; 35.240.50	2022-03
IEC 62751-1 AMD 2	Power losses in voltage sourced converter (VSC) valves for high-voltage direct current (HVDC) systems – Part 1: General requirements; Amendment 2	29.200; 29.240.99	2022-03
IEC 62751-1 Edition 1.2	Power losses in voltage sourced converter (VSC) valves for high-voltage direct current (HVDC) systems – Part 1: General requirements	29.200; 29.240.99	2022-03
IEC/TS 62804-2	Photovoltaic (PV) modules – Test methods for the detection of potential-induced degradation – Part 2: Thin-film	27.160	2022-03
IEC/TR 62977-1-31 AMD 1	Electronic displays – Part 1-31: Generic – Practical information on the use of light measuring devices; Amendment 1	31.120; 31.260	2022-03
IEC/TR 62977-1-31 Edition 1.1	Electronic displays – Part 1-31: Generic – Practical information on the use of light measuring devices	31.120; 31.260	2022-03
IEC/TR 63099-3	Transmitting and receiving equipment for radiocommunication – Radio-over- fibre technologies for electromagnetic-field measurement – Part 3: Antenna near-field pattern measurement using optical techniques in terahertz-wave bands	33.060.20; 33.180.99	2022-03
IEC/TS 63106-2	Simulators used for testing of photovoltaic power conversion equipment – Recommendations – Part 2: DC power simulators	27.160	2022-03
IEC/TS 63109	Photovoltaic (PV) modules and cells – Measurement of diode ideality factor by quantitative analysis of electroluminescence images	27.160	2022-03
IEC 63138-3	Multi-channel radio frequency connectors – Part 3: Sectional specification for MQ5 series circular connectors	33.120.30	2022-03
IEC 63248	Conductors for overhead lines – Coated or clad metallic wire for concentric lay stranded conductors	29.060.01; 29.240.20	2022-03
IEC/TR 63259	Water cooling systems for power electronics used in electrical transmission and distribution systems	29.200; 29.240.99	2022-03
IEC/TR 63283-1	Industrial-process measurement, control and automation – Smart manufacturing – Part 1: Terms and definitions	01.040.25; 01.040.35; 25.040.40; 35.240.50	2022-03
IEC/TR 63283-2	Industrial-process measurement, control and automation – Smart manufacturing – Part 2: Use cases	25.040.40; 35.240.50	2022-03
IEC/TR 63283-3	Industrial-process measurement, control and automation – Smart manufacturing – Part 3: Challenges for cybersecurity	25.040.40; 35.240.50	2022-03
IEC/PAS 63421	Zhaga Interface Specification Book 18 including Book 1 – Outdoor Luminaire Extension Interface	29.140.99	2022-03
IEC/PAS 63422	Zhaga Interface Specification Book 20 including Book 1 – Smart interface between indoor luminaires and sensing/communication modules	29.140.99	2022-03
ISO/IEC 2382-37	Information technology – Vocabulary – Part 37: Biometrics	01.040.35; 35.020	2022-03
ISO/IEC TR 3445	Information technology – Cloud computing – Audit of cloud services	35.210	2022-03
ISO/IEC 10192-4-1	Information technology – Home electronic system (HES) interfaces – Part 4-1: Common user interface and interoperability among home systems – Architecture	35.200	2022-03
ISO/IEC 14165-432	Information technology – Fibre Channel – Part 432: Security Protocols – 2 (FC-SP-2)	35.200	2022-03
ISO/IEC 18047-3	Information technology – Radio frequency identification device conformance test methods – Part 3: Test methods for air interface communications at 13,56 MHz	35.040.50	2022-03
ISO/IEC 18181-1	Information technology – JPEG XL image coding system – Part 1: Core coding system	35.040.30	2022-03
ISO/IEC 19540-1	Information technology – Object Management Group Unified Architecture Framework (OMG UAF) – Part 1: Domain Metamodel (DMM)	35.020	2022-03

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ISO/IEC 21122-1	Information technology – JPEG XS low-latency lightweight image coding system – Part 1: Core coding system	35.040.30	2022-03
ISO/IEC 21122-2	Information technology – JPEG XS low-latency lightweight image coding system – Part 2: Profiles and buffer models	35.040.30	2022-03
ISO/IEC 21122-3	Information technology – JPEG XS low-latency lightweight image coding system – Part 3: Transport and container formats	35.040.30	2022-03
ISO/IEC 21558-1	Telecommunications and information exchange between systems – Future network architecture – Part 1: Switching and routing	35.100.30	2022-03
ISO/IEC 21558-3	Telecommunications and information exchange between systems – Future network architecture – Part 3: Networking of everything	35.100.30	2022-03
ISO/IEC 21559-1	Telecommunications and information exchange between systems – Future network protocols and mechanisms – Part 1: Switching and routing	35.100.30	2022-03
ISO/IEC 21559-3	Telecommunications and information exchange between systems – Future network protocols and mechanisms – Part 3: Networking of everything	35.100.30	2022-03
ISO/IEC 21823-4	Internet of things (IoT) – Interoperability for IoT systems – Part 4: Syntactic interoperability	33.020; 35.020; 35.240.95	2022-03
ISO/IEC TS 22237-30	Information technology – Data centre facilities and infrastructures – Part 30: Earthquake risk and impact analysis	35.020	2022-03
ISO/IEC 23008-9	Information technology – High efficiency coding and media delivery in heterogeneous environments – Part 9: 3D Audio conformance testing	35.040.40	2022-03
ISO/IEC 23093-1	Information technology – Internet of media things – Part 1: Architecture	35.040.40	2022-03
ISO/IEC 23093-2	Information technology – Internet of media things – Part 2: Discovery and communication API	35.040.40	2022-03
ISO/IEC 29110-2-1 AMD 1	Software engineering – Lifecycle profiles for Very Small Entities (VSEs) – Part 2-1: Framework and taxonomy – Amendment 1: Update of references and editorial improvements	35.080	2022-03
ISO/IEC 30134-8	Information technology – Data centres key performance indicators – Part 8: Carbon usage effectiveness (CUE)	35.020	2022-03
ISO/IEC 30134-9	Information technology – Data centres key performance indicators – Part 9: Water usage effectiveness (WUE)	35.020	2022-03
ISO/IEC 30171-1	Internet of Things (IoT) – Base-station based underwater wireless acoustic network (B-UWAN) – Part 1: Overview and requirements	33.020; 35.240.95	2022-03
IEC 81346-1	Industrial systems, installations and equipment and industrial products – Structuring principles and reference designations – Part 1: Basic rules	01.110; 29.020	2022-03