

# Hrvatski zavod za norme

## Oglasnik za normativne dokumente

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

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

Izdavač:



HZN

**Hrvatski zavod za norme**  
Croatian Standards Institute

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# 1 Rezultati hrvatske normizacije

## 1.1 Hrvatske norme

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

Hrvatske norme mogu nastati na ova četiri načina:

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

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

### HZN/TO 5, Metalne cijevi i priključci

HRN EN 1591-1:2024 en pr  
Prirubnice i njihovi spojevi – Pravila za projektiranje prirubničkih spojeva s kružnim prirubnicama i brtvljenjem – 1. dio: Proračun (EN 1591-1:2024)  
Flanges and their joints – Design rules for gasketed circular flange connections – Part 1: Calculation (EN 1591-1:2024)

HRN EN 14585:2024 en pr  
Sastavni dijelovi valovitih metalnih cijevi za primjenu pod tlakom (EN 14585:2024)  
Corrugated metal hose assemblies for pressure applications (EN 14585:2024)

### HZN/TO 8, Brodogradnja

HRN EN 14504:2024 en pr  
Plovni objekti unutarnje plovidbe – Plutajuća pristaništa i plutajući mostovi na unutarnjim vodama – Zahtjevi, ispitivanja (EN 14504:2024)  
Inland navigation vessels – Floating landing stages and floating bridges on inland waters – Requirements, tests (EN 14504:2024)

### HZN/TO 21, Protupožarna i vatrogasna oprema

HRN EN 14972-5:2024 en pr  
Stabilni protupožarni sustavi – Sustavi vodene magle – 5. dio: Protokol ispitivanja za garaže za sustave s automatskim mlaznicama (EN 14972-5:2024)  
Fixed firefighting systems – Water mist systems – Part 5: Test protocol for car garages for automatic nozzle systems (EN 14972-5:2024)

HRN EN 17446:2024 en pr  
Sustavi za gašenje požara u profesionalnim kuhinjama – Projektiranje sustava, dokumentacija i zahtjevi za ispitivanje (EN 17446:2021+A1:2024)  
Fire extinguishing systems in commercial kitchens – System design, documentation, and test requirements (EN 17446:2021+A1:2024)

HRN EN 17450-2:2024 en pr  
Stabilni protupožarni sustavi – Sustavi vodene magle – 2. dio: Značajke proizvoda i metode ispitivanja za mlaznice (EN 17450-2:2024)  
Fixed firefighting systems – Water mist systems – Part 2: Product characteristics and test methods for nozzles (EN 17450-2:2024)

HRN EN 17966:2024 en pr  
Oprema za zaštitu od požara – Sustavi za gašenje ugljičnim dioksidom za uporabu u prostorijama – Projektiranje i ugradnja (ISO 6183:2022, MOD; EN 17966:2024)  
Fire protection equipment – Carbon dioxide extinguishing systems for use on premises – Design and installation (ISO 6183:2022, MOD; EN 17966:2024)

### HZN/TO 28, Naftni proizvodi i maziva

HRN EN 589:2024/NA:2024 hr izv  
Goriva za motorna vozila – UNP – Zahtjevi i metode ispitivanja – Nacionalni dodatak  
Automotive fuels – LPG – Requirements and test methods – National Annex

HRN EN 16709:2024 en pr  
Goriva za motorna vozila – Dizelsko gorivo s velikom količinom FAME (B20 ili B30) – Zahtjevi i metode ispitivanja (EN 16709:2024)  
Automotive fuels – High FAME diesel fuel (B20 and B30) – Requirements and test methods (EN 16709:2024)

### HZN/TO 34, Poljoprivredni i prehrambeni proizvodi

HRN EN 14105:2024 en pr  
Derivati masti i ulja – Metilni esteri masnih kiselina – Određivanje sadržaja slobodnog i ukupnog glicerola sadržaja mono-, di- i triglicerida (EN 14105:2024)  
Fat and oil derivatives – Fatty Acid Methyl Esters (FAME) – Determination of free and total glycerol and mono-, di-, triglyceride contents (EN 14105:2024)

### HZN/TO 44, Zavarivanje i srodni postupci

HRN EN ISO 636:2024 en pr  
Dodatni i potrošni materijali za zavarivanje – Šipke, žice i depoziti za TIG zavarivanje nelegiranih i sitnozrnatih čelika – Razredba (ISO 636:2024; EN ISO 636:2024)  
Welding consumables – Rods, wires and deposits for tungsten inert gas welding of non-alloy and fine-grain steels – Classification (ISO 636:2024; EN ISO 636:2024)

### HZN/TO 54, Eterična ulja

HRN ISO 210:2024 en pr  
Eterična ulja – Opći zahtjevi i upute za pakiranje, kondicioniranje i čuvanje (ISO 210:2023)  
Essential oils – General requirements and guidelines for packaging, conditioning and storage (ISO 210:2023)

HRN ISO 211:2024 en pr  
Eterična ulja – Opći zahtjevi deklariranja i označavanja spremnika (ISO 211:2023)  
Essential oils – General requirements for labelling and marking of containers (ISO 211:2023)

HRN ISO 5093:2024 en pr  
Eterično ulje limunske mirte (Backhousia citriodora F. Muell.), tip citrala (ISO 5093:2021)  
Essential oil of lemon myrtle (Backhousia citriodora F. Muell.), citral type (ISO 5093:2021)

HRN ISO 7359:2024 en pr  
Eterična ulja – Analiza plinskom kromatografijom na napunjenim kolonama – Opća metoda (ISO 7359:1985)  
Essential oils – Analysis by gas chromatography on packed columns – General method (ISO 7359:1985)

HRN ISO 9842:2024 en pr  
Eterično ulje ruže (Rosa x damascena Miller) (ISO 9842:2024)  
Essential oil of rose (Rosa x damascena Miller) (ISO 9842:2024)

HRN ISO 13171:2024 en pr  
Eterično ulje origana [Origanum vulgare L. subsp. hirtum (Link) letsw] (ISO 13171:2016)  
Essential oil of oregano [Origanum vulgare L. subsp. hirtum (Link) letsw] (ISO 13171:2016)

HRN ISO 14714:2024 en pr  
Eterična ulja i aromatski ekstrakti – Određivanje sadržaja benzena (ISO 14714:2024)  
Essential oils and aromatic extracts – Determination of benzene content (ISO 14714:2024)

HRN ISO 16385:2024 en pr  
Eterično ulje crvenog papra (Schinus areira L.), argentinski tip (ISO 16385:2014)  
Essential oil of molle (Schinus areira L.), Argentinean type (ISO 16385:2014)

HRN ISO 16928:2024 en pr  
Eterično ulje đumbira [Zingiber officinale Roscoe] (ISO 16928:2014)  
Essential oil of ginger [Zingiber officinale Roscoe] (ISO 16928:2014)

HRN ISO 18321:2024 en pr  
Eterična ulja – Određivanje peroksidnog broja (ISO 18321:2015)  
Essential oils – Determination of peroxide value (ISO 18321:2015)

HRN ISO 20809:2024 en pr  
Eterično ulje čempresa (Cupressus sempervirens L.) (ISO 20809:2017)  
Essential oil of cypress (Cupressus sempervirens L.) (ISO 20809:2017)

HRN ISO 21631:2024 en pr  
Eterično ulje klementine (Citrus clementina hort. ex Tanaka syn. Citrus reticulata Blanco x Citrus sinensis (L.) Osbeck), španjolski tip (ISO 21631:2020)  
Essential oil of clementine (Citrus clementina hort. ex Tanaka syn. Citrus reticulata Blanco x Citrus sinensis (L.) Osbeck), Spanish type (ISO 21631:2020)

HRS ISO/TS 24106:2024 en pr  
Eterična ulja – Usklađivanje naziva komponenti (ISO/TS 24106:2021)  
Essential oils – Name harmonization of components (ISO/TS 24106:2021)

### **HZN/TO 71, Beton**

HRN EN 12390-18:2024 en pr  
Ispitivanje očvrsloga betona – 18. dio: Određivanje koeficijenta migracije klorida (EN 12390-18:2021+A1:2024)  
Testing hardened concrete – Part 18: Determination of the chloride migration coefficient (EN 12390-18:2021+A1:2024)

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

HRN EN 16838:2024 en pr  
Rashladne vitrine i pozzetti za prodaju sladoleda na kuglice – Klasifikacija, zahtjevi, značajke i ispitivanje potrošnje energije (EN 16838:2024)  
Refrigerated display scooping cabinets and pozzetto for gelato – Classification, requirements, performance and energy consumption testing (EN 16838:2024)

### **HZN/TO 92, Zaštita od požara**

HRN EN 1366-8:2024 en pr  
Ispitivanja otpornosti servisnih instalacija na požar – 8. dio: Kanali za odimljavanje (EN 1366-8:2024)  
Fire resistance tests for service installations – Part 8: Smoke extraction ducts (EN 1366-8:2024)

HRN EN 1366-9:2024 en pr  
Ispitivanja otpornosti servisnih instalacija na požar – 9. dio: Zasebno odijeljeni kanali za odimljavanje (EN 1366-9:2024)  
Fire resistance tests for service installations – Part 9: Single compartment smoke extraction ducts (EN 1366-9:2024)

HRN EN 15269-2:2024 en pr  
Proširena primjena rezultata ispitivanja otpornosti na požar i/ili dimopropusnosti vrata, zaslona i prozora koji se mogu otvarati, uključujući pripadajući okov – 2. dio: Otpornost na požar za okretnih i okretnih čeličnih vrata (EN 15269-2:2024)  
Extended application of test results for fire resistance and/or smoke control for door, shutter and openable window assemblies, including their elements of building hardware – Part 2: Fire resistance of hinged and pivoted steel doorsets (EN 15269-2:2024)

### **HZN/TO 120, Koža i obuća**

HRN EN ISO 3379:2024 en pr  
Koža – Određivanje rastezljivosti i čvrstoće površine (Ballova metoda prskanja) (ISO 3379:2024; EN ISO 3379:2024)  
Leather – Determination of distension and strength of surface (Ball burst method) (ISO 3379:2024; EN ISO 3379:2024)

### **HZN/TO 121, Anestetička i respiracijska oprema**

HRN EN 1865-6:2024 en pr  
Oprema za postupanje s bolesnikom koja se upotrebljava u cestovnim medicinskim vozilima – 6. dio: Stolci s pogonom (EN 1865-6:2024)  
Patient handling equipment used in ambulances – Part 6: Powered chairs (EN 1865-6:2024)

HRN EN ISO 18562-1:2024 en pr  
Vrednovanje biološke kompatibilnosti dijelova za dovod respiratornog plina za primjenu u zdravstvu – 1. dio: Ocjena i ispitivanje u okviru procesa upravljanja rizicima (ISO 18562-1:2024; EN ISO 18562-1:2024)  
Biocompatibility evaluation of breathing gas pathways in healthcare applications – Part 1: Evaluation and testing within a risk management process (ISO 18562-1:2024; EN ISO 18562-1:2024)

HRN EN ISO 18562-2:2024 en pr  
Vrednovanje biološke kompatibilnosti dijelova za dovod respiratornog plina za primjenu u zdravstvu – 2. dio: Ispitivanja emisija čestica (ISO 18562-2:2024; EN ISO 18562-2:2024)  
Biocompatibility evaluation of breathing gas pathways in healthcare applications – Part 2: Tests for emissions of particulate matter (ISO 18562-2:2024; EN ISO 18562-2:2024)

HRN EN ISO 18562-3:2024 en pr  
Vrednovanje biološke kompatibilnosti dijelova za dovod respiratornog plina za primjenu u zdravstvu – 3. dio: Ispitivanja emisija hlapljivih organskih spojeva (ISO 18562-3:2024; EN ISO 18562-3:2024)  
Biocompatibility evaluation of breathing gas pathways in healthcare applications – Part 3: Tests for emissions of volatile organic substances (ISO 18562-3:2024; EN ISO 18562-3:2024)

HRN EN ISO 18562-4:2024 en pr  
Vrednovanje biološke kompatibilnosti dijelova za dovod respiratornog plina za primjenu u zdravstvu – 4. dio: Ispitivanja ostataka ispiranja u kondenzatu (ISO 18562-4:2024; EN ISO 18562-4:2024)  
Biocompatibility evaluation of breathing gas pathways in healthcare applications – Part 4: Tests for leachables in condensate (ISO 18562-4:2024; EN ISO 18562-4:2024)

### **HZN/TO 126, Duhan i duhanski proizvodi**

HRN EN 17957:2024 en pr  
Proizvodi za udisanje para iz e-tekućina – Postupak parenja za proizvode koji su namijenjeni za udisanje izravno u pluća (EN 17957:2024)  
Vapour products – Vaping regime for products intended to be used for direct to lung inhalation (EN 17957:2024)

### **HZN/TO 135, Nerazorna ispitivanja**

HRN EN ISO 15708-1:2024 en pr  
Nerazorno ispitivanje – Metode zračenja za računalnu tomografiju – 1. dio: Rječnik (ISO 15708-1:2024; EN ISO 15708-1:2024)  
Non-destructive testing – Radiation methods for computed tomography – Part 1: Vocabulary (ISO 15708-1:2024; EN ISO 15708-1:2024)

HRN EN ISO 16810:2024 en pr  
Nerazorno ispitivanje – Ultrazvučno ispitivanje – Opća načela (ISO 16810:2024; EN ISO 16810:2024)  
Non-destructive testing – Ultrasonic testing – General principles (ISO 16810:2024; EN ISO 16810:2024)

HRN EN ISO 18563-2:2024 en pr  
Nerazorno ispitivanje – Karakterizacija i provjeravanje ultrazvučne višepretvorničke fazno upravljane opreme – 2. dio: Mrežne sonde (ISO 18563-2:2024; EN ISO 18563-2:2024)  
Non-destructive testing – Characterization and verification of ultrasonic phased array equipment – Part 2: Array probes (ISO 18563-2:2024; EN ISO 18563-2:2024)

### **HZN/TO 159, Ergonomija**

HRN EN ISO 9241-920:2024 en pr  
Ergonomija interakcije čovjek-sustav – 920 dio: Taktilne i haptičke interakcije (ISO 9241-920:2024; EN ISO 9241-920:2024)  
Ergonomics of human-system interaction – Part 920: Tactile and haptic interactions (ISO 9241-920:2024; EN ISO 9241-920:2024)

### **HZN/TO 163, Toplinska izolacija**

HRN EN ISO 12572:2016/A1:2024 en pr  
Svojstva građevnih materijala i proizvoda s obzirom na toplinu i vlagu – Određivanje svojstava propusnosti vodene pare – Metoda posude (ISO 12572:2016/Amd 1:2024; EN ISO 12572:2016/A1:2024)  
Hygrothermal performance of building materials and products – Determination of water vapour transmission properties – Cup method (ISO 12572:2016/Amd 1:2024; EN ISO 12572:2016/A1:2024)

HRN EN 13172:2024 en pr  
Toplinsko-izolacijski proizvodi – Zajednička pravila vrednovanja (EN 13172:2024)  
Thermal insulation products – Common evaluation rules (EN 13172:2024)

### **HZN/TO 167, Metalne konstrukcije**

HRS CEN/TS 1090-201:2024 en pr  
Izvedba čeličnih i aluminijevih konstrukcija – Ponovna uporaba konstrukcijskog čelika (CEN/TS 1090-201:2024)  
Execution of steel structures and aluminium structures – Reuse of structural steel (CEN/TS 1090-201:2024)

## HZN/TO 182, Geotehničke konstrukcije

HRN CEN/TS 17685-2:2024 en pr  
Zemljani radovi – Kemijska ispitivanja – 2. dio: Određivanje sadržaja organske tvari metodom kalijeve permanganata (CEN/TS 17685-2:2024)  
Earthworks – Chemical tests – Part 2: Determination of organic matter content by potassium permanganate method (CEN/TS 17685-2:2024)

HRN EN ISO 22476-16:2024 en pr  
Geotehničko istraživanje i ispitivanje – Terensko ispitivanje – 16. dio: Ispitivanje posmične čvrstoće u bušotini (ISO 22476-16:2024; EN ISO 22476-16:2024)  
Geotechnical investigation and testing – Field testing – Part 16: Borehole shear test (ISO 22476-16:2024; EN ISO 22476-16:2024)

## HZN/TO 207, Upravljanje okolišem

HRN EN ISO 14071:2024 en pr  
Upravljanje okolišem – Procjena životnog ciklusa – Proces i kritičke ocjene i kompetencije ocjenjivača (ISO 14071:2024; EN ISO 14071:2024)  
Environmental management – Life cycle assessment – Critical review processes and reviewer competencies (ISO 14071:2024; EN ISO 14071:2024)

## HZN/TO 211, Geoinformacije/Geomatika

HRN EN ISO 19103:2024 en pr  
Geoinformacije – Jezik konceptualne sheme (ISO 19103:2024; EN ISO 19103:2024)  
Geographic information – Conceptual schema language (ISO 19103:2024; EN ISO 19103:2024)

## HZN/TO 221, Geosintetici

HRN EN ISO 10319:2024 en pr  
Geosintetici – Vlačno ispitivanje na širokim trakama (ISO 10319:2024; EN ISO 10319:2024)  
Geosynthetics – Wide-width tensile test (ISO 10319:2024; EN ISO 10319:2024)

HRN EN ISO 13428:2024 en pr  
Geosintetici – Određivanje učinkovitosti zaštite geosintetikom od oštećenja udarcem (ISO 13428:2024; EN ISO 13428:2024)  
Geosynthetics – Determination of the protection efficiency of a geosynthetic against impact damage (ISO 13428:2024; EN ISO 13428:2024)

## HZN/TO 502, Plinski uređaji

HRN EN 88-2:2024 en pr  
Sigurnosni i regulacijski uređaji za plinske plamenike i plinske uređaje – 2. dio: Regulatori tlaka za ulazne tlakove iznad 50 kPa do 500 kPa i uključujući 500 kPa (EN 88-2:2022+A1:2024)  
Safety and control devices for gas burners and gas burning appliances – Part 2: Pressure regulators for inlet pressures above 50 kPa up to and including 500 kPa (EN 88-2:2022+A1:2024)

HRN EN 88-3:2024 en pr  
Sigurnosni i regulacijski uređaji za plinske plamenike i plinske uređaje – 3. dio: Regulatori tlaka i/ili protoka za ulazne tlakove do 500 kPa i uključujući 500 kPa, elektronički tipovi (EN 88-3:2022+A1:2024)  
Safety and control devices for gas burners and gas burning appliances – Part 3: Pressure and/or flow rate regulators for inlet pressures up to and including 500 kPa, electronic types (EN 88-3:2022+A1:2024)

HRN EN 125:2024 en pr  
Uređaji za nadzor plamena za plinske uređaje – Termoelektrični uređaji za nadzor plamena (EN 125:2022+A1:2024)  
Flame supervision devices for gas burning appliances – Thermoelectric flame supervision devices (EN 125:2022+A1:2024)

HRN EN 509:2024 en pr  
Plinski uređaji s ukrasnim dekorativnim efektom gorenja (EN 509:2024)  
Decorative fuel-effect gas appliances (EN 509:2024)

HRN EN 16304:2024 en pr  
Automatski odzračni ventili za plinske plamenike i plinske uređaje (EN 16304:2022+A1:2024)  
Automatic vent valves for gas burners and gas burning appliances (EN 16304:2022+A1:2024)

## HZN/TO 503, Metalni materijali

HRN EN 1982:2024 en pr  
Bakar i legure bakra – Ingoti i odljevci (EN 1982:2024)  
Copper and copper alloys – Ingots and castings (EN 1982:2024)

HRN EN 12163:2024 en pr  
Bakar i legure bakra – Šipke za opću namjenu (EN 12163:2024)  
Copper and copper alloys – Rod for general purposes (EN 12163:2024)

HRN EN 12164:2024 en pr  
Bakar i legure bakra – Šipke namijenjene strojnoj obradi (EN 12164:2024)  
Copper and copper alloys – Rod for free machining purposes (EN 12164:2024)

HRN EN 12165:2024 en pr  
Bakar i legure bakra – Gnječeni i negnječeni materijal namijenjen kovanju (EN 12165:2024)  
Copper and copper alloys – Wrought and unwrought forging stock (EN 12165:2024)

HRN EN 12166:2024 en pr  
Bakar i legure bakra – Žica za opću namjenu (EN 12166:2024)  
Copper and copper alloys – Wire for general purposes (EN 12166:2024)

HRN EN 12167:2024 en pr  
Bakar i legure bakra – Profili i šipke za opću namjenu (EN 12167:2024)  
Copper and copper alloys – Profiles and bars for general purposes (EN 12167:2024)

HRN EN 12168:2024 en pr  
Bakar i legure bakra – Šuplje šipke namijenjene strojnoj obradi (EN 12168:2024)  
Copper and copper alloys – Hollow rod for free machining purposes (EN 12168:2024)

HRN EN 12420:2024 en pr  
Bakar i legure bakra – Otkivci (EN 12420:2024)  
Copper and copper alloys – Forgings (EN 12420:2024)

HRN EN 12735-2:2024 en pr  
Bakar i legure bakra – Bešavne okrugle cijevi za klimatizaciju i hlađenje – 2. dio: Cijevi za opremu (EN 12735-2:2024)  
Copper and copper alloys – Seamless, round tubes for air conditioning and refrigeration – Part 2: Tubes for equipment (EN 12735-2:2024)

## HZN/TO 505, Prijenos i distribucija plina

HRN EN ISO 5124:2024 en pr  
Utovar i istovar ukapljenog prirodnog plina (UPP) iz vagon cisterni i spremnika (ISO 5124:2024; EN ISO 5124:2024)  
Loading and unloading of liquefied natural gas (LNG) tank wagons and containers (ISO 5124:2024; EN ISO 5124:2024)

HRN EN 12007-5:2024 en pr  
Plinska infrastruktura – Cjevovodi za najveći radni tlak do 16 bara i uključujući 16 bara – 5. dio: Vodovi za održavanje – Specifični funkcionalni zahtjevi (EN 12007-5:2024)  
Gas infrastructure – Pipelines for maximum operating pressure up to and including 16 bar – Part 5: Service lines – Specific functional requirements (EN 12007-5:2024)

HRN EN 17928-1:2024 en pr  
Plinska infrastruktura – Utisne stanice – 1. dio: Opći zahtjevi (EN 17928-1:2024)  
Gas infrastructure – Injection stations – Part 1: General requirements (EN 17928-1:2024)

HRN EN 17928-2:2024 en pr  
Plinska infrastruktura – Stanice za utiskivanje – 2. dio: Posebni zahtjevi koji se odnose na utiskivanje biometana (EN 17928-2:2024)  
Gas infrastructure – Injection stations – Part 2: Specific requirements regarding the injection of biomethane (EN 17928-2:2024)

HRN EN 17928-3:2024 en pr  
Plinska infrastruktura – Utisne stanice – 3. dio: Specifični zahtjevi vezani za utiskivanje vodika (EN 17928-3:2024)  
Gas infrastructure – Injection stations – Part 3: Specific requirements regarding the injection of hydrogen (EN 17928-3:2024)

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

HRN EN ISO 10426-5:2024 en pr  
Industrije nafte i plina uključujući energiju s niskim udjelom ugljika – Cementi i materijali za cementaciju bušotina – 5. dio: Određivanje stezanja i širenja bušotinskih cementnih pripravaka (ISO 10426-5:2024; EN ISO 10426-5:2024)  
Oil and gas industries including lower carbon energy – Cements and materials for well cementing – Part 5: Determination of shrinkage and expansion of well cement formulations (ISO 10426-5:2024; EN ISO 10426-5:2024)

## HZN/TO 509, Cestovna oprema

HRS CEN/TS 1317-7:2024 en pr  
Zaštitni cestovni sustavi – 7. dio: Karakterizacija značajka i metode ispitivanja završnih elemenata terminala zaštitnih odbojnih ograda (CEN/TS 1317-7:2023)  
Road restraint systems – Part 7: Performance characterisation and test methods for terminals of safety barriers (CEN/TS 1317-7:2023)

HRS CEN/TS 1317-9:2024 en pr  
Zaštitni cestovni sustavi – 9. dio: Udarne ispitivanja i metode ispitivanja zamjenjivih dijelova zaštitnih odbojnih ograda (CEN/TS 1317-9:2023)  
Road restraint systems – Part 9: Impact tests and test methods for removable barrier sections (CEN/TS 1317-9:2023)

HRI CEN/TR 1317-10:2024 en pr  
Zaštitni cestovni sustavi – 10. dio: Metode ocjenjivanja i smjernice za projektiranje prijelaza, završnih elemenata terminala i spojeva s ublaživačima udara – Prijelazi (CEN/TR 1317-10:2023)  
Road restraint systems – Part 10: Assessment methods and design guidelines for transitions, terminal and crash cushion connection – Transitions (CEN/TR 1317-10:2023)

HRN EN 1794-1:2024 en pr  
Barijere za zaštitu od buke s cesta – Neakustična svojstva – 1. dio: Metode određivanja mehaničkih značajki i značajki stabilnosti (EN 1794-1:2024)  
Road traffic noise reducing devices – Non-acoustic performance – Part 1: Methods of determination of the mechanical and stability characteristics (EN 1794-1:2024)

HRN EN 1794-2:2024 en pr  
Barijere za zaštitu od buke s cesta – Neakustična svojstva – 2. dio: Metode određivanja općih sigurnosnih i ekoloških značajki (EN 1794-2:2024)  
Road traffic noise reducing devices – Non-acoustic performance – Part 2: Methods of determination of the general safety and environmental characteristics (EN 1794-2:2024)

HRS CEN/TS 17812:2024 en pr  
Određivanje akustičkih značajka oznaka na kolniku – CPX metoda mjerenja (CEN/TS 17812:2022)  
Determination of the acoustic properties of markings – The CPX measurement method (CEN/TS 17812:2022)

HRI CEN/TR 17828:2024 en pr  
Cestovna infrastruktura – Interakcije s automatiziranim vozilima – Referentni okvir, izdanje 1 (CEN/TR 17828:2022)  
Road infrastructure – Automated vehicle interactions – Reference Framework Release 1 (CEN/TR 17828:2022)

## HZN/TO 521, Usluge održavanja

HRN EN 17948:2024 en pr  
Aktivnosti održavanja i upravljanje održavanjem (EN 17948:2024)  
Maintenance management and functions (EN 17948:2024)

## HZN/TO 522, Gospodarenje otpadom i karakterizacija mulja

HRN EN 14803:2024 en pr  
Gospodarenje otpadom – Identifikacija i/ili određivanje količine otpada (EN 14803:2020+A1:2024)  
Waste management – Identification and/or determination of the quantity of waste (EN 14803:2020+A1:2024)

HRI CEN ISO/TR 20736:2024 en pr  
Oporaba, recikliranje, obrada i zbrinjavanje mulja – Smjernice za termičku obradu mulja (ISO/TR 20736:2021; CEN ISO/TR 20736:2023)  
Sludge recovery, recycling, treatment and disposal – Guidance on thermal treatment of sludge (ISO/TR 20736:2021; CEN ISO/TR 20736:2023)

## HZN/TO 524, Inteligentni transportni sustavi

HRS CEN/TS 18078:2024 en pr  
Elektronička naplata – Mjerenje smetnji na naplatnim i tahografskim uređajima od uređaja radijske lokalne mreže koji rade u frekvencijskom području od 5,8 GHz – Struktura paketa testova i svrha ispitivanja (CEN/TS 18078:2024)  
Electronic fee collection – Measurement of interferences on tolling and tachograph devices from radio local area network devices operating in the 5,8 GHz frequency range – Test suite structure and test purposes (CEN/TS 18078:2024)

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

HRN EN 17388-1:2024 en pr  
Savijljive hidroizolacijske trake – Izjave o utjecaju proizvoda na okoliš – Pravila za kategorizaciju bitumenskih, sintetičkih i gumenih traka s uloškom (za krovove) – 1. dio: "Od kolijevke do groba" i modul D (EN 17388-1:2024)  
Flexible sheets for waterproofing – Environmental product declarations – Product Category Rules for reinforced bitumen, plastic and rubber flexible sheets for roof waterproofing – Part 1: Cradle to grave and module D (EN 17388-1:2024)

HRN EN 17388-2:2024 en pr  
Savijljive hidroizolacijske trake – Izjave o utjecaju proizvoda na okoliš – Pravila za kategorizaciju bitumenskih, sintetičkih i gumenih traka s uloškom (za krovove) – 2. dio: "Od kolijevke do vrata s opcijama", moduli C1-C4 i modul D (EN 17388-2:2024)  
Flexible sheets for waterproofing – Environmental product declarations – Product Category Rules for reinforced bitumen, plastic and rubber flexible sheets for roof waterproofing – Part 2: Cradle to gate with options, modules C1-C4 and module D (EN 17388-2:2024)

## HZN/TO 526, Bitumenska veziva

HRN EN 12594:2024 en pr  
Bitumen i bitumenska veziva – Priprema ispitnih uzoraka (EN 12594:2024)  
Bitumen and bituminous binders – Preparation of test samples (EN 12594:2024)

HRN EN 12597:2024 en,fr,de pr  
Bitumen i bitumenska veziva – Terminološki rječnik (EN 12597:2024)  
Bitumen and bituminous binders – Terminology (EN 12597:2024)

HRI CEN/TR 18114:2024 en pr  
Bitumen i bitumenska veziva – Održivost – Pregled načina upravljanja informacijama o okolišu (CEN/TR 18114:2024)  
Bitumens and bituminous binders – Sustainability – Review on how to address environmental information (CEN/TR 18114:2024)

## HZN/TO 528, Oprema za željeznice

HRN EN 12299:2024 en pr  
Željeznički sustav – Udobnost vožnje putnika – Mjerenje i vrednovanje (EN 12299:2024)  
Railway applications – Ride comfort for passengers – Measurement and evaluation (EN 12299:2024)

HRN EN 13261:2024 en pr  
Željeznički sustav – Osovinski sklopovi i okretna postolja – Osovine – Zahtjevi za proizvod (EN 13261:2024)  
Railway applications – Wheelsets and bogies – Axles – Product requirements (EN 13261:2024)

HRN EN 15227:2024 en pr  
Željeznički sustav – Zahtjevi za otpornost tračničkih vozila na sudare (EN 15227:2020+A1:2024)  
Railway applications – Crashworthiness requirements for rail vehicles (EN 15227:2020+A1:2024)

HRN EN 15313:2024 en pr  
Željeznički sustav – Zahtjevi za osovinske sklopove u uporabi – Održavanje osovinskih sklopova u uporabi i skladištenju (EN 15313:2024)  
Railway applications – In-service wheelset operation requirements – In-service and off-vehicle wheelset maintenance (EN 15313:2024)

HRN EN 15839:2024 en pr  
Željeznički sustav – Ispitivanje i simulacija za prihvatljivost  
voznih svojstava željezničkih vozila – Sigurnost vožnje zbog  
djelovanja uzdužnih tlačnih sila (EN 15839:2024)  
Railway applications – Testing and simulation for the  
acceptance of running characteristics of railway vehicles  
– Running safety under longitudinal compressive forces  
(EN 15839:2024)

HRN EN 16186-6:2024 en pr  
Željeznički sustav – Upravljačnica – 6. dio: Integracija  
zaslona, upravljačkih uređaja i pokazivača za tramvajska  
vozila (EN 16186-6:2024)  
Railway applications – Driver's cab – Part 6: Integration  
of displays, controls and indicators for tram vehicles  
(EN 16186-6:2024)

HRN EN 16286-1:2024 en pr  
Željeznički sustav – Prijelaznice između vozila – 1. dio:  
Glavne primjene (EN 16286-1:2024)  
Railway applications – Gangway systems between vehicles  
– Part 1: Main applications (EN 16286-1:2024)

HRN EN 17936:2024 en pr  
Željeznički sustav – Akustika – Mjerenje izvornih uvjeta za  
izračun okolišne buke (EN 17936:2024)  
Railway applications – Acoustics – Measurement of source  
terms for environmental noise calculations (EN 17936:2024)

### **HZN/TO 531, *Plastika i guma***

HRN EN ISO 899-2:2024 en pr  
Plastika – Određivanje ponašanja pri puzanju – 2. dio:  
Savojno puzanje uz opterećenje na tri točke (ISO 899-2:2024;  
EN ISO 899-2:2024)  
Plastics – Determination of creep behaviour – Part 2:  
Flexural creep by three-point loading (ISO 899-2:2024;  
EN ISO 899-2:2024)

HRN EN ISO 4892-1:2024 en pr  
Plastika – Metode izlaganja izvorima svjetla u laboratoriju  
– 1. dio: Opće smjernice i zahtjevi (ISO 4892-1:2024;  
EN ISO 4892-1:2024)  
Plastics – Methods of exposure to laboratory light sources  
– Part 1: General guidance and requirements (ISO 4892-1:2024;  
EN ISO 4892-1:2024)

HRN EN ISO 4892-3:2024 en pr  
Plastika – Metode izlaganja izvorima svjetla u laboratoriju  
– 3. dio. Fluorescentne UV-svjetiljke (ISO 4892-3:2024;  
EN ISO 4892-3:2024)  
Plastics – Methods of exposure to laboratory light sources  
– Part 3: Fluorescent UV lamps (ISO 4892-3:2024;  
EN ISO 4892-3:2024)

### **HZN/TO 534, *Spremnici za teret***

HRN EN ISO 21009-2:2024 en pr  
Kriogenične posude – Nepomične posude izolirane  
vakuumom – 2. dio: Pogonski zahtjevi (ISO 21009-2:2024;  
EN ISO 21009-2:2024)  
Cryogenic vessels – Static vacuum insulated vessels  
– Part 2: Operational requirements (ISO 21009-2:2024;  
EN ISO 21009-2:2024)

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

HRN EN ISO 5459:2024 en pr  
Geometrijske specifikacije proizvoda (GSP) – Geometrijske  
tolerancije – Referenci i sustavi referenci (ISO 5459:2024;  
EN ISO 5459:2024)  
Geometrical product specifications (GPS) – Geometrical  
tolerancing – Datums and datum systems (ISO 5459:2024;  
EN ISO 5459:2024)

### **HZN/TO 543, *Poštanske usluge***

HRI CEN/TR 18085:2024 en pr  
Poštanske usluge – Sigurna, osigurana i beskontaktna  
dostava poštanskih pošiljaka (CEN/TR 18085:2024)  
Postal services – Safe, secured and contactless delivery of  
postal items (CEN/TR 18085:2024)

### **HZN/TO 555, *Medicinski proizvodi***

HRN EN 556-2:2024 en pr  
Sterilizacija medicinskih proizvoda – Zahtjevi za medicinske  
proizvode koji se označavaju sa „STERILNO“ – 2. dio: Zahtjevi  
za aseptički obrađene medicinske proizvode (EN 556-2:2024)  
Sterilization of medical devices – Requirements for medical  
devices to be designated “STERILE” – Part 2: Requirements  
for aseptically processed medical devices (EN 556-2:2024)

### **HZN/TO 557, *Zaštitna odjeća***

HRN EN ISO 13997:2024 en pr  
Zaštitna odjeća – Mehanička svojstva – Određivanje otpornosti  
na razrezivanje oštrim predmetima (ISO 13997:2024;  
EN ISO 13997:2024)  
Protective clothing – Mechanical properties – Determination  
of resistance to cutting by sharp objects (ISO 13997:2024;  
EN ISO 13997:2024)

### **HZN/TO 560, *Tekstilni proizvodi***

HRN EN 17137:2024 en pr  
Tekstil – Određivanje sadržaja spojeva na osnovi klorobenzena i  
klorotoluena (EN 17137:2024)  
Textiles – Determination of the content of compounds based  
on chlorobenzenes and chlorotoluenes (EN 17137:2024)

### **HZN/TO 562, *Alatni strojevi i alati***

HRN EN ISO 19085-4:2024 en pr  
Strojevi za obradu drva – Sigurnost – 4. dio: Vertikalne kružne  
pile za ploče (ISO 19085-4:2024; EN ISO 19085-4:2024)  
Woodworking machines – Safety – Part 4: Vertical panel circular  
sawing machines (ISO 19085-4:2024; EN ISO 19085-4:2024)

HRN EN ISO 19085-5:2024 en pr  
Strojevi za obradu drva – Sigurnost – 5. dio: Formatne pile  
(ISO 19085-5:2024; EN ISO 19085-5:2024)  
Woodworking machines – Safety – Part 5: Dimension saws  
(ISO 19085-5:2024; EN ISO 19085-5:2024)

HRN EN ISO 19085-7:2024 en pr  
Strojevi za obradu drva – Sigurnost – 7. dio: Strojevi  
za blanjanje površina, strojevi za blanjanje na debljinu i  
kombinirani strojevi za blanjanje površina i blanjanje na  
debljinu (ISO 19085-7:2024; EN ISO 19085-7:2024)  
Woodworking machines – Safety – Part 7: Surface planing,  
thickness planing, combined surface/thickness planing  
machines (ISO 19085-7:2024; EN ISO 19085-7:2024)

HRN EN ISO 19085-8:2024 en pr  
Strojevi za obradu drva – Sigurnost – 8. dio: Strojevi za  
širokotrakno brušenje i strojevi za površinsku obradu (ISO  
19085-8:2024; EN ISO 19085-8:2024)  
Woodworking machines – Safety – Part 8: Wide belt sanding  
machines and surface treating machines (ISO 19085-8:2024;  
EN ISO 19085-8:2024)

HRN EN ISO 19085-9:2024 en pr  
Strojevi za obradu drva – Sigurnost – 9. dio: Kružne  
stolne pile (sa i bez klizne ploče) (ISO 19085-9:2024;  
EN ISO 19085-9:2024)  
Woodworking machines – Safety – Part 9: Circular saw  
benches (with and without sliding table) (ISO 19085-9:2024;  
EN ISO 19085-9:2024)

HRN EN ISO 19085-11:2024 en pr  
Strojevi za obradu drva – Sigurnost – 11. dio: Kombinirani  
strojevi (ISO 19085-11:2024; EN ISO 19085-11:2024)  
Woodworking machines – Safety – Part 11: Combined  
machines (ISO 19085-11:2024; EN ISO 19085-11:2024)

### **HZN/TO 563, *Sigurnost strojeva***

HRN EN 17677:2024 en pr  
Strojevi za preradu hrane – Pekarski i slastičarski (konditorski)  
depozitori – Sigurnosni i higijenski zahtjevi (EN 17677:2024)  
Food processing machinery – Craft bakery and pastry  
deposits – Safety and hygiene requirements (EN 17677:2024)

### **HZN/TO 567, *Meso, meso peradi, jaja i njihovi proizvodi, ribe, proizvodi ribarstva i akvakultura***

HRN ISO 1442:2024 en pr  
Meso i mesni proizvodi – Određivanje udjela vlage  
– Referentna metoda (ISO 1442:2023)  
Meat and meat products – Determination of moisture content  
– Reference method (ISO 1442:2023)

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

HRN EN 17972:2024 en pr  
Izvornost hrane – Izvornost i krivotvorenje hrane – Pojmovi, nazivi i definicije (EN 17972:2024)  
Food authenticity – Food authenticity and fraud – Concepts, terms, and definitions (EN 17972:2024)

HRN EN 17992:2024 en pr  
Izvornost hrane – Određivanje zbroja 16-O-metilkafeola, 16-O-metilkafeola i njihovih derivata u prženoj kavi pomoću <sup>1</sup>H-qNMR (EN 17992:2024)  
Food authenticity – Determination of the sum of 16-O-methylcafestol, 16-O-Methylkahweol and their derivatives in roasted coffee by <sup>1</sup>H-qNMR (EN 17992:2024)

HRN EN 18003:2024 en pr  
Izvornost hrane – Određivanje sadržaja 16-O-metilkafeola u sirovoj i prženoj kavi – Metoda HPLC (EN 18003:2024)  
Food Authenticity – Determination of 16-O-methylcafestol content of green and roasted coffee – HPLC-method (EN 18003:2024)

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

HRN EN 17109:2024 en pr  
Planinarska oprema – Individualni sigurnosni sustavi za adrenalinske parkove – Sigurnosni zahtjevi i metode ispitivanja (EN 17109:2020+A1:2024)  
Mountaineering equipment – Individual safety systems for rope courses – Safety requirements and test methods (EN 17109:2020+A1:2024)

HRN EN ISO 20957-2:2024 en pr  
Nepomična oprema za vježbanje – 2. dio: Sprava za trening snage, dodatni posebni sigurnosni zahtjevi i metode ispitivanja (ISO 20957-2:2024; EN ISO 20957-2:2024)  
Stationary training equipment – Part 2: Strength training equipment, additional specific safety requirements and test methods (ISO 20957-2:2024; EN ISO 20957-2:2024)

HRN EN ISO 20957-7:2024 en pr  
Nepomična oprema za vježbanje – 7. dio: Veslački ergometar, dodatni posebni sigurnosni zahtjevi i metode ispitivanja (ISO 20957-7:2024; EN ISO 20957-7:2024)  
Stationary training equipment – Part 7: Rowing equipment, additional specific safety requirements and test methods (ISO 20957-7:2024; EN ISO 20957-7:2024)

## **HZN/TO 573, Elektronički račun**

HRS CEN/TS 16931-8:2024 en pr  
Elektronički račun – 8. dio: Semantički model podataka elemenata elektroničkog računa e-priznanice ili pojednostavljenog elektroničkog računa (CEN/TS 16931-8:2024)  
Electronic invoicing – Part 8: Semantic data model of the elements of an e-receipt or a simplified electronic invoice (CEN/TS 16931-8:2024)

## **HZN/TO 576, Psi pomagači**

HRN EN 17984-1:2024 en pr  
Psi pomagači – 1. dio: Terminološki rječnik (EN 17984-1:2024)  
Assistance dogs – Part 1: Vocabulary (EN 17984-1:2024)

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

HRN EN ISO 24212:2024 en pr  
Tehnike sanacije koje se primjenjuju na onečišćenim lokacijama (ISO 24212:2024; EN ISO 24212:2024)  
Remediation techniques applied at contaminated sites (ISO 24212:2024; EN ISO 24212:2024)

## **HZN/TO E2, Rotacijski strojevi**

HRN EN IEC 60034-9:2024 en pr  
Rotacijski električni strojevi – 9. dio: Granice buke (IEC 60034-9:2021; EN IEC 60034-9:2024)  
Rotating electrical machines – Part 9: Noise limits (IEC 60034-9:2021; EN IEC 60034-9:2024)

HRN EN IEC 60034-11:2024 en pr  
Rotacijski električni strojevi – 11. dio: Termička zaštita (IEC 60034-11:2020; EN IEC 60034-11:2024)  
Rotating electrical machines – Part 11: Thermal protection (IEC 60034-11:2020; EN IEC 60034-11:2024)

HRN EN IEC 60034-12:2024 en pr  
Rotacijski električni strojevi – 12. dio: Zaletna svojstva jednobrzinskih trofaznih kaveznih indukcijskih motora (IEC 60034-12:2024; EN IEC 60034-12:2024)  
Rotating electrical machines – Part 12: Starting performance of single-speed three-phase cage induction motors (IEC 60034-12:2024; EN IEC 60034-12:2024)

## **HZN/TO E9, Električna oprema za željeznicu**

HRN EN 50343:2024 en pr  
Željeznički sustav – Željeznička vozila – Pravila instaliranja ožičenja (EN 50343:2024)  
Railway applications – Rolling stock – Rules for installation of cabling (EN 50343:2024)

HRN EN 50546:2024 en pr  
Željeznički sustav – Željeznička vozila – Trofazni vanjski sustav napajanja za željeznička vozila i njegovi priključci (EN 50546:2024)  
Railway applications – Rolling Stock – Three-phase shore (external) supply system for rail vehicles and its connectors (EN 50546:2024)

HRN EN 50617-2:2024 en pr  
Željeznički sustav – Tehnički parametri sustava za detekciju vlaka radi interoperabilnosti transeuropskog željezničkog sustava – 2. dio: Brojači osovina (EN 50617-2:2024)  
Railway applications – Technical parameters of train detection systems for the interoperability of the trans-European railway system – Part 2: Axle counters (EN 50617-2:2024)

## **HZN/TO E17, Sklopni i upravljački uređaji**

HRN EN IEC 62271-211:2024 en pr  
Visokonaponska sklopna aparatura – 211. dio: Izravan spoj između energetskog transformatora i metalom oklopljene plinom izolirane sklopne aparature za nazivne napone iznad 52 kV (IEC 62271-211:2024; EN IEC 62271-211:2024)  
High-voltage switchgear and controlgear – Part 211: Direct connection between power transformers and gas-insulated metal-enclosed switchgear for rated voltages above 52 kV (IEC 62271-211:2024; EN IEC 62271-211:2024)

## **HZN/TO E23, Električni instalacijski pribor**

HRN EN IEC 62752:2024 en pr  
Upravljački i zaštitni uređaj unutar kabela (IC-CPD) za punjenje električnih cestovnih vozila načinom "2" (IEC 62752:2024; EN IEC 62752:2024)  
In-cable control and protection device (IC-CPD) for mode 2 charging of electric road vehicles (IEC 62752:2024; EN IEC 62752:2024)

## **HZN/TO E31, Eksplozivne atmosfere**

HRN EN 13237:2024 en pr  
Potencijalno eksplozivne atmosfere – Nazivlje i definicije za opremu i zaštitne sustave za uporabu u ugroženim prostorima (EN 13237:2024)  
Potentially explosive atmospheres – Terms and definitions for equipment and protective systems intended for use in potentially explosive atmospheres (EN 13237:2024)

HRN EN 14983:2024 en pr  
Sprečavanje eksplozije i zaštita u podzemnim rudnicima – Oprema i zaštitni sustavi za drenažu jamskog plina (EN 14983:2024)  
Explosion prevention and protection in underground mines – Equipment and protective systems for firedamp drainage (EN 14983:2024)

HRN EN IEC 60079-14:2024 en pr  
Eksplozivne atmosfere – 14. dio: Projektiranje, odabir i postavljanje opreme, uključujući prvo ispitivanje (IEC 60079-14:2024; EN IEC 60079-14:2024)  
Explosive atmospheres – Part 14: Electrical installation design, selection and installation of equipment, including initial inspection (IEC 60079-14:2024; EN IEC 60079-14:2024)

HRN EN ISO/IEC 80079-49:2024 en pr  
Eksplozivne atmosfere – 49. dio: Prigušivači plamena – Zahtjevi za pogonska svojstva, metode ispitivanja i ograničenja za uporabu (ISO/IEC 80079-49:2024; EN ISO/IEC 80079-49:2024)  
Explosive atmospheres – Part 49: Flame arresters – Performance requirements, test methods and limits for use (ISO/IEC 80079-49:2024; EN ISO/IEC 80079-49:2024)



## **HZN/TO E34, Žarulje, svjetiljke i pripadna oprema**

HRN EN 61184:2017/A2:2024 en pr  
Bajunetna grla za žarulje (IEC 61184:2017/am2:2024;  
EN 61184:2017/A2:2024)  
Bayonet lampholders (IEC 61184:2017/am2:2024;  
EN 61184:2017/A2:2024)

HRN EN IEC 63356-2:2024 en pr  
Značajke izvora svjetla sa svjetlećim diodama – 2. dio:  
Parametri i vrijednosti za projektiranje (IEC 63356-2:2024;  
EN IEC 63356-2:2024)  
LED light source characteristics – Part 2: Design parameters  
and values (IEC 63356-2:2024; EN IEC 63356-2:2024)

## **HZN/TO E38, Mjerni transformatori**

HRN EN IEC 61869-1:2024 en pr  
Mjerni transformatori – 1. dio: Opći zahtjevi (IEC 61869-1:2023;  
EN IEC 61869-1:2024)  
Instrument transformers – Part 1: General requirements  
(IEC 61869-1:2023; EN IEC 61869-1:2024)

## **HZN/TO E55, Žice za namote**

HRN EN IEC 60317-0-3:2024 en pr  
Specifikacije pojedinih vrsta žica za namote – Dio 0-3:  
Opći zahtjevi – Okrugla aluminijaska lakirana žica  
(IEC 60317-0-3:2024; EN IEC 60317-0-3:2024)  
Specifications for particular types of winding wires – Part 0-3:  
General requirements – Enamelled round aluminium wire  
(IEC 60317-0-3:2024; EN IEC 60317-0-3:2024)

## **HZN/TO E61, Sigurnost električnih kućanskih i sličnih aparata**

HRN EN IEC 60335-2-36:2024 en pr  
Kućanski i slični električni aparati – Sigurnost – Dio 2-36:  
Posebni zahtjevi za ugostiteljske električne štednjake,  
pećnice, ploče za kuhanje i elemente ploča za kuhanje  
(IEC 60335-2-36:2017; EN IEC 60335-2-36:2024)  
Household and similar electrical appliances – Safety  
– Part 2-36: Particular requirements for commercial  
electric cooking ranges, ovens, hobs and hob elements  
(IEC 60335-2-36:2017; EN IEC 60335-2-36:2024)

HRN EN IEC 60335-2-36:2024/A11:2024 en pr  
Kućanski i slični električni aparati – Sigurnost – Dio 2-36:  
Posebni zahtjevi za ugostiteljske električne štednjake,  
pećnice, ploče za kuhanje i elemente ploča za kuhanje  
(EN IEC 60335-2-36:2024/A11:2024)  
Household and similar electrical appliances – Safety  
– Part 2-36: Particular requirements for commercial  
electric cooking ranges, ovens, hobs and hob elements  
(EN IEC 60335-2-36:2024/A11:2024)

HRN EN IEC 60335-2-37:2024 en pr  
Kućanski i slični električni aparati – Sigurnost – Dio 2-37:  
Posebni zahtjevi za ugostiteljske električne friteze za krafne i  
duboke friteze (IEC 60335-2-37:2017; EN IEC 60335-2-37:2024)  
Household and similar electrical appliances – Safety  
– Part 2-37: Particular requirements for commercial electric  
doughnut fryers and deep fat fryers (IEC 60335-2-37:2017;  
EN IEC 60335-2-37:2024)

HRN EN IEC 60335-2-37:2024/A11:2024 en pr  
Kućanski i slični električni aparati – Sigurnost – Dio 2-37:  
Posebni zahtjevi za ugostiteljske električne friteze za krafne i  
duboke friteze (EN IEC 60335-2-37:2024/A11:2024)  
Household and similar electrical appliances – Safety – Part 2-37:  
Particular requirements for commercial electric doughnut fryers  
and deep fat fryers (EN IEC 60335-2-37:2024/A11:2024)

HRN EN IEC 60335-2-39:2024 en pr  
Kućanski i slični električni aparati – Sigurnost – Dio 2-39:  
Posebni zahtjevi za ugostiteljske električne višenamjenske  
tave (IEC 60335-2-39:2012; EN IEC 60335-2-39:2024)  
Household and similar electrical appliances – Safety – Part 2-39:  
Particular requirements for commercial electric multi-purpose  
cooking pans (IEC 60335-2-39:2012; EN IEC 60335-2-39:2024)

HRN EN IEC 60335-2-39:2024/A11:2024 en pr  
Kućanski i slični električni aparati – Sigurnost – Dio 2-39:  
Posebni zahtjevi za ugostiteljske električne višenamjenske  
tave (EN IEC 60335-2-39:2024/A11:2024)  
Household and similar electrical appliances – Safety – Part 2-39:  
Particular requirements for commercial electric multi-purpose  
cooking pans (EN IEC 60335-2-39:2024/A11:2024)

HRN EN IEC 60335-2-39:2024/A1:2024 en pr  
Kućanski i slični električni aparati – Sigurnost – Dio 2-39:  
Ugostiteljske električne višenamjenske tave  
(IEC 60335-2-39:2012/am1:2017;  
EN IEC 60335-2-39:2024/A1:2024)  
Household and similar electrical appliances – Safety – Part 2-39:  
Commercial electric multi-purpose cooking pans  
(IEC 60335-2-39:2012/am1:2017;  
EN IEC 60335-2-39:2024/A1:2024)

HRN EN IEC 60335-2-40:2024 en pr  
Kućanski i slični električni aparati – Sigurnost – Dio 2-40:  
Posebni zahtjevi za električne dizalice topline, klima-uređaje  
i sušila zraka (IEC 60335-2-40:2022+Corr.1:2024;  
EN IEC 60335-2-40:2024)  
Household and similar electrical appliances – Safety – Part 2-40:  
Particular requirements for electrical heat pumps, air-conditioners  
and dehumidifiers (IEC 60335-2-40:2022+Corr.1:2024;  
EN IEC 60335-2-40:2024)

HRN EN IEC 60335-2-40:2024/A11:2024 en pr  
Kućanski i slični električni aparati – Sigurnost – Dio 2-40:  
Posebni zahtjevi za električne dizalice topline, klima-uređaje i  
sušila zraka (EN IEC 60335-2-40:2024/A11:2024)  
Household and similar electrical appliances – Safety  
– Part 2-40: Particular requirements for electrical  
heat pumps, air-conditioners and dehumidifiers  
(EN IEC 60335-2-40:2024/A11:2024)

HRN EN 60335-2-47:2006/A12:2024 en pr  
Kućanski i slični električni aparati – Sigurnost – Dio 2-47:  
Posebni zahtjevi za ugostiteljske električne kotlove  
(EN 60335-2-47:2003/A12:2024)  
Household and similar electrical appliances – Safety  
– Part 2-47: Particular requirements for commercial electric  
boiling pans (EN 60335-2-47:2003/A12:2024)

HRN EN 60335-2-48:2006/A12:2024 en pr  
Kućanski i slični električni aparati – Sigurnost – Dio 2-48:  
Posebni zahtjevi za ugostiteljske električne zračeće roštilje i  
pržila kruha (EN 60335-2-48:2003/A12:2024)  
Household and similar electrical appliances – Safety – Part  
2-48: Particular requirements for commercial electric grillers  
and toasters (EN 60335-2-48:2003/A12:2024)

HRN EN 60335-2-49:2006/A12:2024 en pr  
Kućanski i slični električni aparati – Sigurnost – Dio 2-49:  
Posebni zahtjevi za ugostiteljske električne aparate za održavanje  
topline hrane i posuda (EN 60335-2-49:2003/A12:2024)  
Household and similar electrical appliances – Safety – Part 2-49:  
Particular requirements for commercial electric appliances for  
keeping food and crockery warm (EN 60335-2-49:2003/A12:2024)

## **HZN/TO E62, Električna oprema u medicinskoj praksi**

HRN EN IEC 80601-2-49:2019/A1:2024 en pr  
Medicinska električna oprema – Dio 2-49: Posebni zahtjevi  
za osnovnu sigurnost i bitne radne značajke višefunkcijske  
opreme za nadzor pacijenata (IEC 80601-2-49:2018/  
am1:2024; EN IEC 80601-2-49:2019/A1:2024)  
Medical electrical equipment – Part 2-49: Particular  
requirements for the basic safety and essential performance  
of multifunction patient monitors (IEC 80601-2-49:2018/am1:2024;  
EN IEC 80601-2-49:2019/A1:2024)

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

HRN HD 60364-7-708:2017/A11:2024 en pr  
Niskonaponske električne instalacije – Dio 7-708: Zahtjevi za  
posebne instalacije ili prostore – Kampovi za kamp prikolice i  
šatore te slični prostori (HD 60364-7-708:2017/A11:2024)  
Low-voltage electrical installations – Part 7-708: Requirements  
for special installations or locations – Caravan parks, camping  
parks and similar locations (HD 60364-7-708:2017/A11:2024)

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

HRN EN 60730-1:2016/A11:2024 en pr  
Električne naprave za automatsko upravljanje – 1. dio: Opći  
zahtjevi (EN 60730-1:2016/A11:2024)  
Automatic electrical controls – Part 1: General requirements  
(EN 60730-1:2016/A11:2024)

HRN EN IEC 60730-1:2024 en pr  
Električne naprave za automatsko upravljanje – 1. dio: Opći  
zahtjevi (IEC 60730-1:2022; EN IEC 60730-1:2024)  
Automatic electrical controls – Part 1: General requirements  
(IEC 60730-1:2022; EN IEC 60730-1:2024)

HRN EN IEC 60730-1:2024/A11:2024 en pr  
Električne naprave za automatsko upravljanje – 1. dio: Opći zahtjevi (EN IEC 60730-1:2024/A11:2024)  
Automatic electrical controls – Part 1: General requirements (EN IEC 60730-1:2024/A11:2024)

### **HZN/TO E81, Zaštita od munje**

HRN EN IEC 62305-1:2024 en pr  
Zaštita od munje – 1. dio: Opća načela (IEC 62305-1:2024; EN IEC 62305-1:2024)  
Protection against lightning – Part 1: General principles (IEC 62305-1:2024; EN IEC 62305-1:2024)

HRN EN IEC 62305-2:2024 en pr  
Zaštita od munje – 2. dio: Upravljanje rizikom (IEC 62305-2:2024; EN IEC 62305-2:2024)  
Protection against lightning – Part 2: Risk management (IEC 62305-2:2024; EN IEC 62305-2:2024)

HRN EN IEC 62305-3:2024 en pr  
Zaštita od munje – 3. dio: Materijalne štete na građevinama i opasnost za život (IEC 62305-3:2024; EN IEC 62305-3:2024)  
Protection against lightning – Part 3: Physical damage to structures and life hazard (IEC 62305-3:2024; EN IEC 62305-3:2024)

HRN EN IEC 62305-4:2024 en pr  
Zaštita od munje – 4. dio: Električni i elektronički sustavi unutar građevina (IEC 62305-4:2024; EN IEC 62305-4:2024)  
Protection against lightning – Part 4: Electrical and electronic systems within structures (IEC 62305-4:2024; EN IEC 62305-4:2024)

### **HZN/TO T4, Normizacija u telekomunikacijama**

HRN EN 301 908-25 V15.1.1:2024 en pr  
IMT celularne mreže – Harmonizirana norma za pristup radijskom spektru – 25. dio: Nova radijska (NR) korisnička oprema (UE) Izdanje 15 (EN 301 908-25 V15.1.1:2024)  
IMT cellular networks – Harmonised Standard for access to radio spectrum – Part 25: New Radio (NR) User Equipment (UE) Release 15 (EN 301 908-25 V15.1.1:2024)

HRN EN 302 064 V2.2.1:2024 en pr  
Bežične digitalne video veze u frekvenzijskom pojasu od 1,3 GHz do 50 GHz – Harmonizirana norma za pristup radijskom spektru (EN 302 064 V2.2.1:2024)  
Wireless Digital Video Links operating in the 1,3 GHz to 50 GHz frequency band – Harmonised Standard for access to radio spectrum (EN 302 064 V2.2.1:2024)

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

HRN EN 1269:2024 en pr  
Tekstilne podne obloge – Ocjena impregnacije iglanih podnih obloga pomoću ispitivanja zemljom (EN 1269:2024)  
Textile floor coverings – Assessment of impregnations in needled floor coverings by means of a soiling test (EN 1269:2024)

HRN EN ISO 16906:2024 en pr  
Elastične podne obloge – Određivanje čvrstoće šava (ISO 16906:2015; EN ISO 16906:2024)  
Resilient floor coverings – Determination of seam strength (ISO 16906:2015; EN ISO 16906:2024)

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

HRN EN ISO 19403-4:2024 en pr  
Boje i lakovi – Kvašenje – 4. dio: Određivanje polarnih i disperzivnih udjela površinske napetosti tekućina iz međupovršinske napetosti (ISO 19403-4:2024; EN ISO 19403-4:2024)  
Paints and varnishes – Wettability – Part 4: Determination of the polar and dispersive fractions of the surface tension of liquids from an interfacial tension (ISO 19403-4:2024; EN ISO 19403-4:2024)

HRN EN ISO 19403-5:2024 en pr  
Boje i lakovi – Kvašenje – 5. dio: Određivanje polarnih i disperzivnih udjela površinske napetosti tekućina iz mjerenja kontaktnih kutova na krutini s čisto disperzivnim doprinosom energiji površine (ISO 19403-5:2024; EN ISO 19403-5:2024)  
Paints and varnishes – Wettability – Part 5: Determination of the polar and dispersive fractions of the surface tension of liquids from contact angles measurements on a solid with only a disperse contribution to its surface energy (ISO 19403-5:2024; EN ISO 19403-5:2024)

HRN EN ISO 19403-6:2024 en pr  
Boje i lakovi – Kvašenje – 6. dio: Mjerenje dinamičkog kontaktnog kuta napredovanja i kontaktnog kuta povlačenja promjenom volumena kapi (ISO 19403-6:2024; EN ISO 19403-6:2024)  
Paints and varnishes – Wettability – Part 6: Measurement of dynamic advancing and receding angle by changing the volume of a drop (ISO 19403-6:2024; EN ISO 19403-6:2024)

HRN EN ISO 19403-7:2024 en pr  
Boje i lakovi – Kvašenje – 7. dio: Mjerenje dinamičkih kontaktnih kutova i kuta kotrljanja kapi na platformi na naginjanje (ISO 19403-7:2024; EN ISO 19403-7:2024)  
Paints and varnishes – Wettability – Part 7: Measurement of the dynamic contact angles and the roll-off angle on a tilt stage (ISO 19403-7:2024; EN ISO 19403-7:2024)

### **HZN/TU N1, Nemetalni materijali 1**

HRN EN 16214-1:2024 en pr  
Kriteriji održivosti za proizvodnju biogoriva i biotekućina za dobivanje energije – Načela, kriteriji, indikatori i načini provjere – 1. dio: Nazivlje (EN 16214-1:2024)  
Sustainability and greenhouse gas emission saving criteria for biomass for energy applications – Principles, criteria, indicators and verifiers – Part 1: Terminology (EN 16214-1:2024)

HRN EN 16214-3:2024 en pr  
Kriteriji održivosti i uštede emisija stakleničkih plinova biomase za energetske primjene – Načela, kriteriji, pokazatelji i načini provjere – 3. dio: Kriteriji održivosti koji se odnose na aspekte okoliša (EN 16214-3:2024)  
Sustainability and greenhouse gas emission saving criteria for biomass for energy applications – Principles, criteria, indicators and verifiers – Part 3: Sustainability criteria related to environmental aspects (EN 16214-3:2024)

HRN EN ISO 20182:2024 en pr  
Priprema vatrostalnih testnih uzoraka – Punjenje vatrostalnih panela pištoljima s pneumatskom mlaznicom za miješanje (ISO 20182:2024; EN ISO 20182:2024)  
Refractory test-piece preparation – Gunning refractory panels by the pneumatic-nozzle mixing type guns (ISO 20182:2024; EN ISO 20182:2024)

HRN EN ISO 21971:2024 en pr  
Fina keramika (napredna keramika, napredna tehnička keramika) – Mehanička svojstva keramičkih kompozita pri temperaturi okoline i atmosferskom tlaku – Određivanje vlačnih svojstava cijevi koja se odnose na obodno naprezanje (ISO 21971:2019; EN ISO 21971:2024)  
Fine ceramics (advanced ceramics, advanced technical ceramics) – Mechanical properties of ceramic composites at ambient temperature in air atmospheric pressure – Determination of hoop tensile properties of tubes (ISO 21971:2019; EN ISO 21971:2024)

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

HRN EN ISO 11334-4:2024 en pr  
Jednoručna pomagala za hodanje – Zahtjevi i metode ispitivanja – 4. dio: Štapovi za hodanje s trima krakovima ili više (ISO 11334-4:2024; EN ISO 11334-4:2024)  
Assistive products for walking, manipulated by one arm – Requirements and test methods – Part 4: Walking sticks with three or more legs (ISO 11334-4:2024; EN ISO 11334-4:2024)

HRN EN ISO 14356:2024 en pr  
Stomatologija – Materijal za dupliciranje (ISO 14356:2024; EN ISO 14356:2024)  
Dentistry – Duplicating material (ISO 14356:2024; EN ISO 14356:2024)

HRN EN ISO 25539-3:2024 en pr  
Kardiovaskularni implantati – Endovaskularna sredstva – 3. dio: Kavalni filtri (ISO 25539-3:2024; EN ISO 25539-3:2024)  
Cardiovascular implants – Endovascular devices – Part 3: Vena cava filters (ISO 25539-3:2024; EN ISO 25539-3:2024)

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

HRN EN 2350:2024 en pr  
Zrakoplovstvo – Automatski osigurači – Tehničke specifikacije (EN 2350:2024)  
Aerospace series – Circuit breakers – Technical specification (EN 2350:2024)

HRN EN 2588:2024 en pr  
Zrakoplovstvo – Ležajevi, kuglasti klizni sa žljebovima, izrađeni od čelika otpornog na koroziju – Dimenzije i opterećenja (EN 2588:2024)  
Aerospace series – Bearing, spherical plain in corrosion resisting steel with assembly slots – Dimensions and loads (EN 2588:2024)

HRN EN 2591-100:2024 en pr  
Zrakoplovstvo – Elementi električne i optičke veze – Metode ispitivanja – 100. dio: Općenito (EN 2591-100:2024)  
Aerospace series – Elements of electrical and optical connection – Test methods – Part 100: General (EN 2591-100:2024)

HRN EN 3841-100:2024 en pr  
Zrakoplovstvo – Automatski osigurači – Metode ispitivanja – 100. dio: Općenito (EN 3841-100:2024)  
Aerospace series – Circuit breakers – Test methods – Part 100: General (EN 3841-100:2024)

HRN EN 4165-024:2024 en pr  
Zrakoplovstvo – Spojnice, električne, pravokutne, modularne – Stalna radna temperatura 175 °C – Dio 024: Samostalni modul utikač – Norma za proizvod (EN 4165-024:2024)  
Aerospace series – Connectors, electrical, rectangular, modular – Operating temperature 175 °C continuous – Part 024: Single module plug – Product standard (EN 4165-024:2024)

HRN EN 9300-001:2024 en pr  
Zrakoplovstvo – LOTAR – Dugoročno arhiviranje i učitavanje digitalne tehničke dokumentacije za proizvod kao što su podaci 3D, CAD i PDM – Dio 001: Struktura (EN 9300-001:2024)  
Aerospace series – LOTAR – Long Term Archiving and Retrieval of digital technical product documentation such as 3D, CAD and PDM data – Part 001: Structure (EN 9300-001:2024)

HRN EN 12312-4:2024 en pr  
Oprema za zemaljsku podršku zrakoplovu – Posebni zahtjevi – 4. dio: Mostovi za ukrcaj putnika (EN 12312-4:2024)  
Aircraft ground support equipment – Specific requirements – Part 4: Passenger boarding bridges (EN 12312-4:2024)

## HN/TU U1, Opća elektrotehnika 1

HRN EN IEC 60721-3-1:2018/Ispr.1:2024 en pr  
Razredba uvjeta okoliša – Dio 3-1: Razredba skupina utjecaja okoliša i njihove strogosti – Skladištenje (IEC 60721-3-1:2018/Corr.1:2024; EN IEC 60721-3-1:2018/AC:2024)  
Classification of environmental conditions – Part 3-1: Classification of groups of environmental parameters and their severities – Storage (IEC 60721-3-1:2018/Corr.1:2024; EN IEC 60721-3-1:2018/AC:2024)

## HN/TU V1, Elektronika 1

HRN EN IEC 60384-14:2023/Ispr.1:2024 en pr  
Fiksni kondenzatori za uporabu u elektroničkoj opremi – 14. dio: Sekcijska specifikacija – Fiksni kondenzatori za suzbijanje elektromagnetskih smetnji i za spajanje na mrežu za napajanje (IEC 60384-14:2023/Corr.1:2024; EN IEC 60384-14:2023/AC:2024)  
Fixed capacitors for use in electronic equipment – Part 14: Sectional specification – Fixed capacitors for electromagnetic interference suppression and connection to the supply mains (IEC 60384-14:2023/Corr.1:2024; EN IEC 60384-14:2023/AC:2024)

HRN EN IEC 60891:2021/Ispr.1:2024 en pr  
Fotonaponski uređaji – Postupci za korekciju izmjerenih karakteristika I-V prema temperaturi i zračenju (IEC 60891:2021/Corr.1:2024; EN IEC 60891:2021/AC:2024)  
Photovoltaic devices – Procedures for temperature and irradiance corrections to measured I-V characteristics (IEC 60891:2021/Corr.1:2024; EN IEC 60891:2021/AC:2024)

HRN EN IEC 62668-1:2019/A1:2024 en pr  
Upravljanje procesima za elektroničku zrakoplovnu opremu – Sprečavanje krivotvorina – 1. dio: Izbjegavanje upotrebe krivotvorenih, lažnih i recikliranih elektroničkih komponenti (IEC 62668-1:2019/am1:2024; EN IEC 62668-1:2019/A1:2024)  
Process management for avionics – Counterfeit prevention – Part 1: Avoiding the use of counterfeit, fraudulent and recycled electronic components (IEC 62668-1:2019/am1:2024; EN IEC 62668-1:2019/A1:2024)

HRN EN IEC 63044-5-1:2019/A1:2024 en pr  
Elektronički sustavi u stanovima i zgradama (ESSZ) i sustavi automatizacije i nadzora u zgradama (BACS) – Dio 5-1: EMC zahtjevi, uvjeti i ispitivanje (IEC 63044-5-1:2017/am1:2022; EN IEC 63044-5-1:2019/A1:2024)  
Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS) – Part 5-1: EMC requirements, conditions and test set-up (IEC 63044-5-1:2017/am1:2022; EN IEC 63044-5-1:2019/A1:2024)

HRN EN IEC 63044-5-2:2019/A1:2024 en pr  
Elektronički sustavi u stanovima i zgradama (ESSZ) i sustavi automatizacije i nadzora u zgradama (BACS) – Dio 5-2: EMC zahtjevi za HBES/BACS za uporabu u stambenom, poslovnom i lakoindustrijskom okruženju (IEC 63044-5-2:2017/am1:2022; EN IEC 63044-5-2:2019/A1:2024)  
Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS) – Part 5-2: EMC requirements for HBES/BACS used in residential, commercial and light industrial environments (IEC 63044-5-2:2017/am1:2022; EN IEC 63044-5-2:2019/A1:2024)

HRN EN IEC 63044-5-3:2019/A1:2024 en pr  
Elektronički sustavi u stanovima i zgradama (ESSZ) i sustavi automatizacije i nadzora u zgradama (BACS) – Dio 5-3: EMC zahtjevi za HBES/BACS za uporabu u industrijskom okruženju (IEC 63044-5-3:2017/am1:2022; EN IEC 63044-5-3:2019/A1:2024)  
Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS) – Part 5-3: EMC requirements for HBES/BACS used in industrial environments (IEC 63044-5-3:2017/am1:2022; EN IEC 63044-5-3:2019/A1:2024)

## HN/TU W1, Energetska elektrotehnika 1

HRN EN 50156-1:2024 en pr  
Električna oprema za peći i pomoćna oprema – 1. dio: Zahtjevi za planiranje primjene i instaliranje (EN 50156-1:2024)  
Electrical equipment for furnaces and ancillary equipment – Part 1: Requirements for application design and installation (EN 50156-1:2024)

HRN EN IEC 60127-1:2024 en pr  
Minijaturni osigurači – 1. dio: Definicije za minijaturne osigurače i opći zahtjevi za minijaturne rastalne uloške (IEC 60127-1:2023; EN IEC 60127-1:2024)  
Miniature fuses – Part 1: Definitions for miniature fuses and general requirements for miniature fuse-links (IEC 60127-1:2023; EN IEC 60127-1:2024)

HRN EN IEC 60127-6:2024 en pr  
Minijaturni osigurači – 6. dio: Držači osigurača za minijaturne rastalne uloške (IEC 60127-6:2023; EN IEC 60127-6:2024)  
Miniature fuses – Part 6: Fuse-holders for miniature fuse-links (IEC 60127-6:2023; EN IEC 60127-6:2024)

HRN EN IEC 60308:2024 en pr  
Hidraulične turbine – Ispitivanje upravljačkih sustava (IEC 60308:2024; EN IEC 60308:2024)  
Hydraulic turbines – Testing of governing systems (IEC 60308:2024; EN IEC 60308:2024)

HRN EN IEC 60704-2-10:2024 en pr  
Kućanski i slični električni aparati – Ispitne odredbe za određivanje uzdušne buke – Dio 2-10: Posebni zahtjevi za štednjake, pećnice, parne pećnice, roštilje i mikrovalne pećnice (IEC 60704-2-10:2024; EN IEC 60704-2-10:2024)  
Household and similar electrical appliances – Test code for the determination of airborne acoustical noise – Part 2-10: Particular requirements for ranges, ovens, steam ovens, grills and microwave ovens (IEC 60704-2-10:2024; EN IEC 60704-2-10:2024)

HRN EN IEC 61362:2024 en pr  
Upute za specifikaciju upravljačkih sustava hidrauličnih turbina (IEC 61362:2024; EN IEC 61362:2024)  
Guide to specification of hydraulic turbine governing systems (IEC 61362:2024; EN IEC 61362:2024)

HRN EN IEC 62841-2-6:2020/Ispr.1:2024 en pr  
Ručni elektromotorni alati, prijenosni alati i mehanizacija za travnjake i vrtove – Sigurnost – Dio 2-6: Posebni zahtjevi za ručne čekiče (IEC 62841-2-6:2020/Corr.1:2024; EN IEC 62841-2-6:2020/AC:2024)  
Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 2-6: Particular requirements for hand-held hammers (IEC 62841-2-6:2020/Corr.1:2024; EN IEC 62841-2-6:2020/AC:2024)

### 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 46, *Bibliotekarstvo, dokumentacija i informacije*

ISO 30301:2019/Amd 1:2024 en  
Information and documentation – Management systems for records – Requirements – Amendment 1: Climate action changes  
Informacije i dokumentacija – Sustavi upravljanja zapisima – Zahtjevi – Amandman 1: Aktivnosti koje se odnose na klimatske promjene

#### HZN/TO 89, *Furniri i drvene ploče*

prEN ISO 12460-2 en  
Wood-based panels – Determination of formaldehyde release – Part 2: Small-scale chamber method (ISO 12460-2:2024)

#### HZN/TO 130, *Grafička tehnologija*

ISO 14298:2021/Amd 1:2024 en  
Graphic technology – Management of security printing processes – Amendment 1: Climate action changes  
Grafička tehnologija – Upravljanje procesima zaštitnog tiska – Aktivnosti koje se odnose na klimatske promjene

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

prEN ISO 10928 en  
Plastics piping systems – Glass-reinforced thermosetting plastics (GRP) pipes and fittings – Methods for regression analysis and their use (ISO 10928:2024)  
Plastični cijevni sustavi – Staklom ojačane duromerne (GRP) cijevi i spojnice – Metode za regresijsku analizu i njihova primjena (ISO 10928:2024)

#### HZN/TO 163, *Toplinska izolacija*

EN ISO 12628:2022/prA1 en  
Thermal insulating products for building equipment and industrial installations – Determination of dimensions, squareness and linearity of preformed pipe insulation (ISO 12628:2022/DAMD1:2024)  
Toplinsko-izolacijski proizvodi za instalacije u zgradama i u industriji – Određivanje dimenzija, pravokutnosti i linearnosti predgotovljene izolacije cijevovoda (ISO 12628:2022/DAMD1:2024)

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

prEN 71-1 en  
Safety of toys – Part 1: Mechanical and physical properties  
Sigurnost igraćaka – 1. dio: Mehanička i fizikalna svojstva

prEN 71-5 en  
Safety of toys – Part 5: Chemical toys (sets) other than experimental sets  
Sigurnost igraćaka – 5. dio: Kemijske igraćke (oprema) koje se ne ubrajaju u eksperimentalnu opremu

prEN 71-8 en  
Safety of toys – Part 8: Activity toys for domestic use  
Sigurnost igraćaka – 8. dio: Igraćke za fizičku aktivnost u kućanstvu

#### HZN/TO 228, *Usluge u turizmu*

ISO 21101:2014/Amd 1:2024 en  
Adventure tourism – Safety management systems – Requirements – Amendment 1: Climate action changes  
Pustolovni turizam – Sustavi upravljanja sigurnošću – Zahtjevi – Amandman 1: Aktivnosti koje se odnose na klimatske promjene

ISO 21401:2018/Amd 1:2024 en  
Tourism and related services – Sustainability management system for accommodation establishments – Requirements – Amendment 1: Climate action changes  
Turističke i srodne usluge – Sustav upravljanja održivošću za smještajne kapacitete – Zahtjevi – Amandman 1: Aktivnosti koje se odnose na klimatske promjene

#### HZN/TO 503, *Metalni materijali*

prEN ISO 9556 en  
Steel and iron – Determination of total carbon content – Infrared absorption method after combustion in an induction furnace (ISO/DIS 9556:2024)  
Čelik i željezni lijev – Određivanje ukupnog sadržaja ugljika – Infracrvena apsorpcijska metoda poslije spaljivanja u indukcijskoj peći (ISO/DIS 9556:2024)

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

prEN ISO 19901-7 en  
Oil and gas industries including lower carbon energy – Specific requirements for offshore structures – Part 7: Station-keeping systems for floating offshore structures and mobile offshore units (ISO/DIS 19901-7:2024)  
Industrije nafte i plina uključujući energiju s niskim ugljikom – Posebni zahtjevi za odobalne konstrukcije – 7. Dio: Sustavi održavanja pozicije plutajućih odobalnih objekata i pokretnih odobalnih jedinica (ISO/DIS 19901-7:2024)

#### HZN/TO 529, *Dizalice i prenosila neprekidne dobave*

prEN 280-1 en  
Mobile elevating work platforms – Part 1: Design calculations – Stability criteria – Construction – Safety – Examinations and tests  
Pokretne podizne radne platforme – 1. dio: Projektni proračuni – Kriteriji stabilnosti – Konstrukcija – Sigurnost – Ispitivanja i pokusi

prEN 18111 en  
Cash desk – Safety

#### HZN/TO 531, *Plastika i guma*

prEN 853 en  
Rubber hoses and hose assemblies – Wire braid reinforced hydraulic type – Specification  
Gumena crijeva i crijevni uređaji – Hidraulični tip ojačan žicom – Specifikacija

prEN 854 en  
Rubber hoses and hose assemblies – Textile reinforced hydraulic type – Specification  
Gumena crijeva i crijevni uređaji – Hidraulični tip ojačan tekstilom – Specifikacija

prEN 856 en  
Rubber hoses and hose assemblies – Rubber-covered spiral wire reinforced hydraulic type – Specification  
Gumena crijeva i crijevni uređaji – Gumeni hidraulični tip obložen i ojačan spiralnom žicom – Specifikacija

prEN 857 en  
Rubber hoses and hose assemblies – Wire braid reinforced compact type for hydraulic applications – Specification  
Gumena crijeva i crijevni uređaji – Kompaktni tip ojačan žičanom mrežom za hidrauličnu primjenu – Specifikacija

prEN 1761 en  
Rubber hoses and hose assemblies for fuel truck delivery – Specification  
Gumena crijeva i crijevni uređaji dostavnih vozila za goriva – Specifikacija

#### HZN/TO 533, *Kolničke konstrukcije*

prEN 13880-11 en  
Hot applied joint sealants – Part 11: Test method for the preparation of asphalt test blocks used in the function test and for the determination of compatibility with asphalt pavements  
Vruće brtvene mase – 11. dio: Ispitna metoda za pripremu asfaltnih uzoraka koji se upotrebljavaju za ispitivanje učinkovitosti i određivanje kompatibilnosti s asfaltnim kolnikom

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

prEN 16282-7 en  
Equipment for commercial kitchens – Components for ventilation in commercial kitchens – Part 7: Installation and use of fixed fire extinguishing systems

prEN 17691-1 en  
Components for BAC control loops – Valve and actuator assemblies – Part 1: Water-based HVAC applications

## **HZN/TO 551, Gradnja**

prEN ISO 11431 en  
Building and civil engineering sealants – Determination of adhesion/cohesion properties of sealants after exposure to heat, water and artificial light through glass (ISO/DIS 11431:2024)  
Gradnja zgrada – Proizvodi za spajanje – Određivanje svojstava adhezije/kohezije brtvila nakon izlaganja toplini, vodi i umjetnom svjetlu kroz staklo (ISO/DIS 11431:2024)

## **HZN/TO 552, Društvena odgovornost**

ISO 37001:2016/Amd 1:2024 en  
Anti-bribery management systems – Requirements with guidance for use – Amendment 1: Climate action changes  
Sustavi upravljanja za suzbijanje podmičivanja – Zahtjevi s uputama za uporabu – Amandman 1: Aktivnosti koje se odnose na klimatske promjene

ISO 37301:2021/Amd 1:2024 en  
Compliance management systems – Requirements with guidance for use – Amendment 1: Climate action changes  
Sustavi upravljanja usklađenošću – Zahtjevi sa smjernicama za uporabu – Amandman 1: Aktivnosti koje se odnose na klimatske promjene

## **HZN/TO 555, Medicinski proizvodi**

prEN ISO 18704 en  
Molecular in vitro diagnostic examinations – Specifications for pre-examination processes for urine and other body fluids – Isolated cell free DNA (ISO/DIS 18704:2024)

## **HZN/TO 572, Kruti oporabljeni materijali uključujući kruta oporabljena goriva**

prEN ISO 18708 en  
Solid recovered fuels – Determination of bulk density (ISO/DIS 18708:2024)  
Kruta oporabljena goriva – Određivanje gustoće rastresitog materijala (ISO/DIS 18708:2024)

prEN ISO 21660-2 en  
Solid recovered fuels – Determination of moisture content using the oven dry method – Part 2: Determination of total moisture by a simplified method (ISO/DIS 21660-2:2024)

## **HZN/TO 582, Informacijska sigurnost i upravljanje kontinuitetom poslovanja**

ISO/IEC 20000-1:2018/Amd 1:2024 en  
Information technology – Service management – Part 1: Service management system requirements – Amendment 1: Climate action changes  
Informacijska tehnologija – Upravljanje uslugama – 1. dio: Zahtjevi za sustav upravljanja uslugama – Amandman 1: Aktivnosti koje se odnose na klimatske promjene

ISO 28000:2022/Amd 1:2024 en  
Security and resilience – Security management systems – Requirements – Amendment 1: Climate action changes  
Sigurnost i otpornost – Sustavi upravljanja sigurnošću – Zahtjevi – Amandman 1: Aktivnosti koje se odnose na klimatske promjene

## **HZN/TO E10, Fluidi za primjenu u elektrotehnici**

prEN IEC 63359:2024 en  
Fluids for electrotechnical application: Specifications for the re-use of mixtures of gases alternative to SF6 (IEC 63359 ED1)  
Tekućine za primjenu u elektrotehnici: Specifikacije za ponovno korištenje plinskih smjesa kao zamjena za SF6 (IEC 63359 ED1)

## **HZN/TO E20, Električni kabeli**

prEN 50483-1 en  
Test requirements for low voltage aerial bundled cable accessories – Part 1: Generalities  
Ispitni zahtjevi za pribor niskonaponskih nadzemnih kabelskih snopova – 1. dio: Općenito

prEN 50483-2 en  
Test requirements for low voltage aerial bundled cable accessories – Part 2: Tension and suspension clamps, fittings and brackets for self supporting system  
Ispitni zahtjevi za pribor niskonaponskih nadzemnih kabelskih snopova – 2. dio: Zatezne i nosive stezaljke, spojnice i nosači za samonosivi sustav

prEN 50483-3 en  
Test requirements for low voltage aerial bundled cable accessories – Part 3: Tension and suspension clamps for neutral messenger system  
Ispitni zahtjevi za pribor niskonaponskih nadzemnih kabelskih snopova – 3. dio: Zatezne i nosive stezaljke za sustav s nosivim neutralnim vodičem

prEN 50483-4 en  
Test requirements for low voltage aerial bundled cable accessories – Part 4: Connectors  
Ispitni zahtjevi za pribor niskonaponskih nadzemnih kabelskih snopova – 4. dio: Spojni pribor

prEN 50483-5 en  
Test requirements for low voltage aerial bundled cable accessories – Part 5: Electrical ageing test  
Ispitni zahtjevi za pribor niskonaponskih nadzemnih kabelskih snopova – 5. dio: Ispitivanje električnim starenjem

prEN 50483-6 en  
Test requirements for low voltage aerial bundled cable accessories – Part 6: Environmental testing  
Ispitni zahtjevi za pribor niskonaponskih nadzemnih kabelskih snopova – 6. dio: Ispitivanje utjecaja okoliša

## **HZN/TO E34, Žarulje, svjetiljke i pripadna oprema**

prEN IEC 60598-2-1:2024 en  
Luminaires – Part 2-1: Particular requirements – Fixed general purpose luminaires (IEC 60598-2-1 ED3)  
Svjetiljke – Dio 2-1: Posebni zahtjevi – Fiksne svjetiljke za opću uporabu (IEC 60598-2-1 ED3)

prEN IEC 60598-2-2:2024 en  
Luminaires – Part 2-2: Particular requirements – Recessed luminaires and recessed air-handling luminaires (IEC 60598-2-2 ED5)  
Svjetiljke – Dio 2-2: Posebni zahtjevi – Uvučene svjetiljke i uvučene svjetiljke koje propuštaju zrak (IEC 60598-2-2 ED5)

prEN IEC 60598-2-24:2024 en  
Luminaires – Part 2-24: Particular requirements – Luminaires with limited surface temperatures (IEC 60598-2-24 ED3)  
Svjetiljke – Dio 2-24: Posebni zahtjevi – Svjetiljke s ograničenim površinskim temperaturama (IEC 60598-2-24 ED3)

EN IEC 63129:2020/prA1:2024 en  
Determination of inrush current characteristics of lighting products (IEC 63129/am1 ED1)  
Određivanje značajki struje uključivanja rasvjetnih proizvoda (IEC 63129/am1 ED1)

## **HZN/TO E62, Električna oprema u medicinskoj praksi**

prEN IEC 61267:2024 en  
Medical diagnostic x-ray equipment – Radiation conditions for use in the determination of characteristics (IEC 61267 ED3)  
Medicinski dijagnostički rendgenski uređaji – Uvjeti zračenja za uporabu pri određivanju njihovih značajka (IEC 61267 ED3)

## **HZN/TO E79, Alarmni sustavi**

prEN IEC 62676-4:2024 en  
Video surveillance systems for use in security applications – Part 4: Application guidelines (IEC 62676-4 ED2)  
Sustavi video nadzora za uporabu u primjenama zaštite – 4. dio: Smjernice za primjenu (IEC 62676-4 ED2)

## HZN/TO E88, Vjetroagregati

prEN IEC 61400-40:2024 en

Wind energy generation systems – Part 40: Electromagnetic compatibility (EMC) – Requirements and test methods (IEC 61400-40 ED1)

Sustavi za proizvodnju energije iz vjetra – 40. dio: Elektromagnetska kompatibilnost (EMC) – Zahtjevi i metode ispitivanja (IEC 61400-40 ED1)

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

prEN IEC 63002:2024 en

Interoperability specifications and communication method for external power supplies used with computing and consumer electronics devices (IEC 63002 ED3)

Specifikacije interoperabilnosti i metoda komunikacije vanjskih izvora napajanja korištenih kod računala i uređaja potrošačke elektronike (IEC 63002 ED3)

## HZN/TO E106, Elektromagnetska polja u ljudskome okolišu

FprEN IEC 63184:2024 en

Assessment methods of the human exposure to electric and magnetic fields from wireless power transfer systems – Models, instrumentation, measurement and computational methods and procedures (Frequency Range of 3 kHz to 30 MHz) (IEC/IEEE 63184 ED1)

Metode procjene izloženosti ljudi električnim i magnetskim poljima iz sustava bežičnog prijenosa energije – Modeli, instrumenti, metode i postupci mjerenja i izračuna (frekvencijski raspon od 3 kHz do 30 MHz) (IEC/IEEE 63184 ED1)

## HZN/TO E502, Elektrotehnički aspekti telekomunikacijske opreme

prEN 50600-3-1:2024 en

Information technology – Data centre facilities and infrastructures – Part 3-1: Management and operational information

Informacijska tehnologija – Sredstva i infrastrukture podatkovnih centara – Dio 3-1: Upravljanje i radni podaci

## HZN/TO T4, Normizacija u telekomunikacijama

Draft EN 301 908-14 V17.1.0:2024 en

IMT cellular networks – Harmonised Standard for access to radio spectrum – Part 14: Evolved Universal Terrestrial Radio Access (E-UTRA) Base Stations (BS) Release 17  
IMT (International Mobile Telecommunications) celularne mreže – Harmonizirana norma za pristup radijskom spektru – 14. dio: Bazne postaje (BS) za razvijeni univerzalni terestrijalni radijski pristup (E-UTRA) Izdanje 17

Draft EN 301 908-18 V17.1.0:2024 en

IMT cellular networks – Harmonised Standard for access to radio spectrum – Part 18: NR, E-UTRA, UTRA and GSM/EDGE Multi-Standard Radio (MSR) Base Station (BS) Release 17  
IMT (International Mobile Telecommunications) celularne mreže – Harmonizirana norma za pristup radijskom spektru – 18. dio: NR, E-UTRA, UTRA i GSM/EDGE bazna postaja (BS) multistandardnog radija (MSR) Izdanje 17

Draft EN 303 800-3 V0.0.18:2024 en

Environmental Engineering (EE) – Assessment of material efficiency of ICT network infrastructure goods (circular economy) – Part 3: Server and data storage product availability of firmware and of security updates to firmware  
Inženjerstvo okoliša (EE) – Procjena materijalne učinkovitosti proizvoda koji se odnose na mrežnu infrastrukturu IKT-a (kružno gospodarstvo) – 3. dio: Dostupnost ugrađenog softvera i sigurnosnih nadogradnji ugrađenog softvera poslužiteljima i proizvodima za pohranu podataka

## HZN/TO Z2, Ocjenjivanje sukladnosti i akreditacija

prEN ISO 17007 en

Conformity assessment – Guidance for drafting normative documents suitable for use for conformity assessment (ISO/IEC DIS 17007:2024)

## HZN/TU B2, Graditeljstvo 2

prEN 17160 en

Product category rules for ceramic tiles  
Pravila za kategorizaciju proizvoda za keramičke pločice

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

prEN ISO 11125-5 en

Preparation of steel substrates before application of paints and related products – Test methods for metallic blast-cleaning abrasives – Part 5: Determination of percentage defective particles and of microstructure (ISO/DIS 11125-5:2024)

Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Ispitne metode za metalne abrazive za čišćenje mlazom – 5. dio: Određivanje postotnog udjela oštećenih čestica i mikrostrukture (ISO/DIS 11125-5:2024)

prEN ISO 11126-1 en

Preparation of steel substrates before application of paints and related products – Specifications for non-metallic blast-cleaning abrasives – Part 1: General introduction and classification (ISO/DIS 11126-1:2024)

Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Specifikacije za nemetalne abrazive za čišćenje mlazom – 1. dio: Opći uvod i razredba (ISO/DIS 11126-1:2024)

prEN 14056-1 en

Laboratory furniture – Recommendations for design and installation – Part 1: General  
Laboratorijski namještaj – Preporuke za projektiranje i ugradnju – 1. dio: Općenito

prEN 15154-1 en

Emergency safety showers – Part 1: Plumbed-in body showers for laboratories  
Sigurnosni tuševi u slučaju opasnosti – 1. dio: Plombirani laboratorijski tuševi za tijelo

prEN 15154-2 en

Emergency safety showers – Part 2: Plumbed-in eye-wash units  
Sigurnosni tuševi u slučaju opasnosti – 2. dio: Plombirane naprave za pranje očiju

## HZN/TU I2, Strojarstvo 2

prEN ISO 19581 en

Measurement of radioactivity – Gamma emitting radionuclides – Rapid screening method using scintillation detector gamma-ray spectrometry (ISO/DIS 19581:2024)  
Mjerenje radioaktivnosti – Radionuklidi koji emitiraju gama zračenje – Metoda brzog probira pomoću spektrometrije gama zraka i scintilacijskog detektora (ISO/DIS 19581:2024)

## HZN/TU N1, Nemetalni materijali 1

prEN ISO 4255 en

Fine ceramics (advanced ceramics, advanced technical ceramics) – Mechanical properties of ceramic composites at high temperature – Determination of uniaxial tensile properties of tubes (ISO/DIS 4255:2024)

prEN ISO 17507-1 en

Natural gas – Calculation of methane number of gaseous fuels for reciprocating internal combustion engines – Part 1: MNC method (ISO/DIS 17507-1:2024)

prEN ISO 17507-2 en

Natural gas – Calculation of methane number of gaseous fuels for reciprocating internal combustion engines – Part 2: PKI method (ISO/DIS 17507-2:2024)

prEN ISO 20505 en

Fine ceramics (advanced ceramics, advanced technical ceramics) – Mechanical properties of ceramic composites at room temperature – Determination of the interlaminar shear strength and shear modulus of continuous-fibre-reinforced composites by the compression of double-notched test pieces and by the losipescu test (ISO 20505:2023)

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

prEN 3475-603 en

Aerospace series – Cables, electrical, aircraft use – Test methods – Part 603: Resistance to wet arc tracking  
Zrakoplovstvo – Električni kabeli za upotrebu u zrakoplovstvu – Metode ispitivanja – 603. dio: Otpornost na iskrenje u vlazi

prEN 3475-604 en

Aerospace series – Cables, electrical, aircraft use – Test methods – Part 604: Resistance to dry arc propagation  
Zrakoplovstvo – Električni kabeli za upotrebu u zrakoplovstvu – Metode ispitivanja – 604. dio: Otpornost na iskrenje u suhoj sredini

prEN 3475-605 en  
Aerospace series – Cables, electrical, aircraft use – Test methods – Part 605: Wet short-circuit test  
Zrakoplovstvo – Električni kabeli za upotrebu u zrakoplovstvu – Metode ispitivanja – 605. dio: Ispitivanje kratkog spoja u vlazi

prEN 4509 en  
Aerospace series – Screw, 100° countersunk normal head, offset cruciform recess, threaded to head, in titanium alloy, anodized, with aluminium pigmented coating, metric series – Classification: 1 100 MPa (at ambient temperature)/315 °C  
Zrakoplovstvo – Vijci, 100° sa normalnom upuštenom glavom, s ujednačenim križnim uredom, s navojem do glave, od legure titana, anodizirani, s aluminijem pigmentiranim premazom, metrički nizovi – Klasifikacija: 1 100 MPa (pri temperaturi okoline)/315 °C

## **HZN/TU V1, Elektronika 1**

prEN 50090-4-4 en  
Home and Building Electronic Systems (HBES) – Part 4-4: HBES IoT Point API  
Elektronički sustavi u stanovima i zgradama (HBES) – Dio 4-4: HBES IoT Point API

prEN IEC 60115-2:2024 en  
Fixed resistors for use in electronic equipment – Part 2: Sectional specification: Low-power film resistors with leads for through-hole assembly on circuit boards (THT) (IEC 60115-2:2023)

prEN IEC 60115-2:2024/prAA:2024 en  
Fixed resistors for use in electronic equipment – Part 2: Sectional specification: Low-power film resistors with leads for through-hole assembly on circuit boards (THT)

prEN IEC 60115-2-10:2024 en  
Fixed resistors for use in electronic equipment – Part 2-10: Blank detail specification: Low-power film resistors with leads for through-hole assembly on circuit boards (THT), for general electronic equipment, classification level G (IEC 60115-2-10:2023)

prEN IEC 60115-2-10:2024/prAA:2024 en  
Fixed resistors for use in electronic equipment – Part 2-10: Blank detail specification: Low-power film resistors with leads for through-hole assembly on circuit boards (THT), for general electronic equipment, classification level G

prEN IEC 60115-4:2024 en  
Fixed resistors for use in electronic equipment – Part 4: Sectional specification: Power resistors for through hole assembly on circuit boards (THT) or for assembly on chassis

prEN IEC 60115-4:2024/prAA:2024 en  
Fixed resistors for use in electronic equipment – Part 4: Sectional specification: Power resistors for through hole assembly on circuit boards (THT) or for assembly on chassis

prEN IEC 60115-8:2024 en  
Fixed resistors for use in electronic equipment – Part 8: Sectional specification – Fixed surface mount resistors (IEC 60115-8:2023)  
Fiksni otpornici za uporabu u elektroničkoj opremi – 8. dio: Sekcijska specifikacija: Fiksni otpornici za površinsku ugradnju (IEC 60115-8:2023)

prEN IEC 60115-8:2024/prAA:2024 en  
Fixed resistors for use in electronic equipment – Part 8: Sectional specification – Fixed surface mount resistors  
Fiksni otpornici za uporabu u elektroničkoj opremi – 8. dio: Sekcijska specifikacija: Fiksni otpornici za površinsku ugradnju

prEN IEC 61076-2-104:2024 en  
Connectors for electronic equipment – Product requirements – Part 2-104: Circular connectors – Detail specification for circular connectors with m8 screw-locking or snap-locking (IEC 61076-2-104 ED3)

prEN IEC 61076-2-118:2024 en  
Circular connectors – Detail specification for shielded and unshielded, free and fixed connectors with bayonet-locking size b12, b17, b23 and b40, for power, signal and data transmission (IEC 61076-2-118 ED1)

prEN IEC 61189-3-302:2024 en  
Test methods for electrical materials, printed board and other interconnection structures and assemblies – Part 3-302: Detection of plating defects in unpopulated circuit boards by computed tomography (CT) (IEC 61189-3-302 ED1)

prEN IEC 61249-2-52:2024 en  
Materials for printed boards and other interconnecting structures – Part 2-52: Reinforced base materials clad and unclad – Thermosetting hydrocarbon resin system, woven e-glass reinforced laminate sheets of defined flammability (vertical burning test), copper-clad (IEC 61249-2-52 ED1)

prEN IEC 61249-2-53:2024 en  
Materials for printed boards and other interconnecting structures – Part 2-53: Reinforced base materials clad and unclad – PTFE unfilled laminate sheets of defined flammability (vertical burning test), copper-clad (IEC 61249-2-53 ED1)

EN IEC 62149-4:2023/prA1:2024 en  
Fibre optic active components and devices – Performance standards – Part 4: 1 300 nm fibre optic transceivers for Gigabit Ethernet application (IEC 62149-4/am1 ED3)  
Aktivne svjetlovodne komponente i uređaji – Izvedbene norme – 4. dio: 1 300 nm svjetlovodni primopredajnici za Gigabit Ethernet (IEC 62149-4/am1 ED3)

## **HZN/TU W1, Energetska elektrotehnika 1**

prEN IEC 60127-4:2024 en  
Miniature fuses – Part 4: Universal modular fuse-links (UMF) – Through-hole and surface mount types (IEC 60127-4 ED4)  
Minijaturni osigurači – 4. dio: Univerzalni modularni rastalni ulošci (UMF) – Tipovi za površinsku ugradnju i montažu kroz otvor (IEC 60127-4 ED4)

prEN IEC 60127-7:2024 en  
Miniature fuses – Part 7: Miniature fuse-links for special applications (IEC 60127-7 ED3)  
Minijaturni osigurači – 7. dio: Minijaturni rastalni ulošci osigurača za specijalne primjene (IEC 60127-7 ED3)

prEN IEC 62841-2-25:2024 en  
Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 2-25: Particular requirements for hand-held chain beam saws (IEC 62841-2-25 ED1)  
Ručni elektromotorni alati, prijenosni alati i mehanizacija za travnjake i vrtove – Sigurnost – Dio 2-25: Posebni zahtjevi za ručne lančane pile s vodilicom (IEC 62841-2-25 ED1)

prEN IEC 62933-4-3:2024 en  
Electrical energy storage (EES) systems – Part 4-3: The protection requirements of BESS according to the environmental conditions (IEC 62933-4-3 ED1)  
Sustavi za pohranu električne energije (EES) – Dio 4-3: Zahtjevi za zaštitu sustava za pohranu energije baziranih na baterijama (BESS) u skladu s uvjetima okoliša (IEC 62933-4-3 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 5, Metalne cijevi i priključci

HRN EN 1591-1:2014 en  
Prirubnice i njihovi spojevi – Pravila za projektiranje prirubničkih spojeva s kružnim prirubnicama i brtvljenjem – 1. dio: Proračun (EN 1591-1:2013)  
Flanges and their joints – Design rules for gasketed circular flange connections – Part 1: Calculation (EN 1591-1:2013)  
- zamijenjena s: HRN EN 1591-1:2024

HRN EN 14585-1:2007 en  
Sastavni dijelovi valovitih metalnih cijevi za primjenu pod tlakom – 1. dio: Zahtjevi (EN 14585-1:2006)  
Corrugated metal hose assemblies for pressure applications – Part 1: Requirements (EN 14585-1:2006)  
- zamijenjena s: HRN EN 14585:2024

HRN CEN/TR 14585-2:2007 en  
Sastavni dijelovi valovitih savitljivih metalnih cijevi za primjenu pod tlakom – 2. dio: Upute za primjenu postupaka za ocjenu sukladnosti (CEN/TR 14585-2:2006)  
Corrugated metal hose assemblies for pressure applications – Part 2: Guidance on the use of conformity assessment procedures (CEN/TR 14585-2:2006)  
- zamijenjena s: HRN EN 14585:2024

### HZN/TO 8, Brodogradnja

HRN EN 14504:2019 en  
Plovni objekti unutarnje plovidbe – Plutajuća pristaništa i plutajući mostovi na unutarnjim vodama – Zahtjevi, ispitivanja (EN 14504:2019)  
Inland navigation vessels – Floating landing stages and floating bridges on inland waters – Requirements, tests (EN 14504:2019)  
- zamijenjena s: HRN EN 14504:2024

### HZN/TO 21, Protupožarna i vatrogasna oprema

HRN EN 17446:2021 en  
Sustavi za gašenje požara u profesionalnim kuhinjama – Projektiranje sustava, dokumentacija i zahtjevi za ispitivanje (EN 17446:2021)  
Fire extinguishing systems in commercial kitchens – System design, documentation, and test requirements (EN 17446:2021)  
- zamijenjena s: HRN EN 17446:2024

### HZN/TO 28, Naftni proizvodi i maziva

HRN EN 16709:2018 en  
Goriva za motorna vozila – Dizelsko gorivo s velikom količinom FAME (B20 ili B30) – Zahtjevi i metode ispitivanja (EN 16709:2015+A1:2018)  
Automotive fuels – High FAME diesel fuel (B20 and B30) – Requirements and test methods (EN 16709:2015+A1:2018)  
- zamijenjena s: HRN EN 16709:2024

### HZN/TO 34, Poljoprivredni i prehrambeni proizvodi

HRN EN 14105:2020 en  
Derivati masti i ulja – Metilni esteri masnih kiselina – Određivanje sadržaja slobodnog i ukupnog glicerola sadržaja mono-, di- i triglicerida (EN 14105:2020)  
Fat and oil derivatives – Fatty Acid Methyl Esters (FAME) – Determination of free and total glycerol and mono-, di-, triglyceride contents (EN 14105:2020)  
- zamijenjena s: HRN EN 14105:2024

### HZN/TO 44, Zavarivanje i srodni postupci

HRN EN ISO 636:2017 en  
Dodatni i potrošni materijali za zavarivanje – Šipke, žice i depoziti za TIG zavarivanje nelegiranih i sitnozrnatih čelika – Razredba (ISO 636:2017; EN ISO 636:2017)  
Welding consumables – Rods, wires and deposits for tungsten inert gas welding of non-alloy and fine-grain steels – Classification (ISO 636:2017; EN ISO 636:2017)  
- zamijenjena s: HRN EN ISO 636:2024

### HZN/TO 54, Eterična ulja

HRS ISO/TS 210:2017 en  
Eterična ulja – Opća pravila pakiranja, kondicioniranja i čuvanja (ISO/TS 210:2014)  
Essential oils – General rules for packaging, conditioning and storage (ISO/TS 210:2014)  
- zamijenjena s: HRN ISO 210:2024

HRS ISO/TS 211:2017 en  
Eterična ulja – Opća pravila deklariranja i označavanja spremnika (ISO/TS 211:2014)  
Essential oils – General rules for labelling and marking of containers (ISO/TS 211:2014)  
- zamijenjena s: HRN ISO 211:2024

HRN ISO 9842:2005 en  
Ulje ruže (Rosa x damascena Miller) (ISO 9842:2003)  
Oil of rose (Rosa x damascena Miller) (ISO 9842:2003)  
- zamijenjena s: HRN ISO 9842:2024

### HZN/TO 71, Beton

HRN EN 12390-18:2021 en  
Ispitivanje očvrsloga betona – 18. dio: Određivanje koeficijenta migracije klorida (EN 12390-18:2021)  
Testing hardened concrete – Part 18: Determination of the chloride migration coefficient (EN 12390-18:2021)  
- zamijenjena s: HRN EN 12390-18:2024

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

HRN EN 16838:2019 en  
Rashladne vitrine i pozzetti za prodaju sladoleda na kuglice – Razredba, zahtjevi, značajke i ispitivanje potrošnje energije (EN 16838:2019)  
Refrigerated display scooping cabinets and pozzetto for gelato – Classification, requirements, performance and energy consumption testing (EN 16838:2019)  
- zamijenjena s: HRN EN 16838:2024

### HZN/TO 92, Zaštita od požara

HRN EN 1366-8:2007 en  
Ispitivanja otpornosti servisnih instalacija na požar – 8. dio: Kanali za odimljavanje (EN 1366-8:2004)  
Fire resistance tests for service installations – Part 8: Smoke extraction ducts (EN 1366-8:2004)  
- zamijenjena s: HRN EN 1366-8:2024

HRN EN 1366-9:2008 en  
Ispitivanja otpornosti servisnih instalacija na požar – 9. dio: Zasebno odijeljeni kanali za odimljavanje (EN 1366-9:2008)  
Fire resistance tests for service installations – Part 9: Single compartment smoke extraction ducts (EN 1366-9:2008)  
- zamijenjena s: HRN EN 1366-9:2024

HRN EN 15269-2:2012 en  
Proširena primjena rezultata ispitivanja otpornosti na požar i/ili dimopropusnosti vrata, zaslona i prozora koji se mogu otvarati, uključujući pripadajući okov – 2. dio: Otpornost na požar zaokretnih čeličnih vrata (EN 15269-2:2012)  
Extended application of test results for fire resistance and/or smoke control for door, shutter and openable window assemblies, including their elements of building hardware – Part 2: Fire resistance of hinged and pivoted steel doorsets (EN 15269-2:2012)  
- zamijenjena s: HRN EN 15269-2:2024

### HZN/TO 120, Koža i obuća

HRN EN ISO 3379:2015 en  
Koža – Određivanje rastezljivosti i čvrstoće površine (Ballova metoda prskanja) (ISO 3379:2015; EN ISO 3379:2015)  
Leather – Determination of distension and strength of surface (Ball burst method) (ISO 3379:2015; EN ISO 3379:2015)  
- zamijenjena s: HRN EN ISO 3379:2024



## HZN/TO 121, Anestetička i respiracijska oprema

HRN EN ISO 18562-1:2020 en

Vrednovanje biološke podnošljivosti dijelova za dovod respiratornog plina za primjenu u zdravstvu – 1. dio: Ocjena i ispitivanje u okviru procesa upravljanja rizicima (ISO 18562-1:2017; EN ISO 18562-1:2020)  
Biocompatibility evaluation of breathing gas pathways in healthcare applications – Part 1: Evaluation and testing within a risk management process (ISO 18562-1:2017; EN ISO 18562-1:2020)  
- zamijenjena s: HRN EN ISO 18562-1:2024

HRN EN ISO 18562-2:2020 en

Vrednovanje biološke podnošljivosti dijelova za dovod respiratornog plina za primjenu u zdravstvu – 2. dio: Ispitivanja emisija čestica (ISO 18562-2:2017; EN ISO 18562-2:2020)  
Biocompatibility evaluation of breathing gas pathways in healthcare applications – Part 2: Tests for emissions of particulate matter (ISO 18562-2:2017; EN ISO 18562-2:2020)  
- zamijenjena s: HRN EN ISO 18562-2:2024

HRN EN ISO 18562-3:2020 en

Vrednovanje biološke podnošljivosti dijelova za dovod respiratornog plina za primjenu u zdravstvu – 3. dio: Ispitivanja emisija hlapljivih organskih spojeva (ISO 18562-3:2017; EN ISO 18562-3:2020)  
Biocompatibility evaluation of breathing gas pathways in healthcare applications – Part 3: Tests for emissions of volatile organic compounds (VOCs) (ISO 18562-3:2017; EN ISO 18562-3:2020)  
- zamijenjena s: HRN EN ISO 18562-3:2024

HRN EN ISO 18562-4:2020 en

Vrednovanje biološke podnošljivosti dijelova za dovod respiratornog plina za primjenu u zdravstvu – 4. dio: Ispitivanja emisija ostataka ispiranja u kondenzatu (ISO 18562-4:2017; EN ISO 18562-4:2020)  
Biocompatibility evaluation of breathing gas pathways in healthcare applications – Part 4: Tests for leachables in condensate (ISO 18562-4:2017; EN ISO 18562-4:2020)  
- zamijenjena s: HRN EN ISO 18562-4:2024

## HZN/TO 135, Nerazorna ispitivanja

HRN EN ISO 15708-1:2019 en

Nerazorno ispitivanje – Metode zračenja za računalnu tomografiju – 1. dio: Nazivlje (ISO 15708-1:2017; EN ISO 15708-1:2019)  
Non-destructive testing – Radiation methods for computed tomography – Part 1: Terminology (ISO 15708-1:2017; EN ISO 15708-1:2019)  
- zamijenjena s: HRN EN ISO 15708-1:2024

HRN EN ISO 16810:2014 hr-en

Nerazorno ispitivanje – Ultrazvučno ispitivanje – Opća načela (ISO 16810:2012; EN ISO 16810:2014)  
Non-destructive testing – Ultrasonic testing – General principles (ISO 16810:2012; EN ISO 16810:2014)  
- zamijenjena s: HRN EN ISO 16810:2024

HRN EN ISO 18563-2:2017 en

Nerazorno ispitivanje – Karakterizacija i provjeravanje ultrazvučne višepretvorničke fazno upravljane opreme – 2. dio: Sonde (ISO 18563-2:2017; EN ISO 18563-2:2017)  
Non-destructive testing – Characterization and verification of ultrasonic phased array equipment – Part 2: Probes (ISO 18563-2:2017; EN ISO 18563-2:2017)  
- zamijenjena s: HRN EN ISO 18563-2:2024

## HZN/TO 159, Ergonomija

HRN EN ISO 9241-920:2016 en

Ergonomija interakcije čovjek-sustav – 920. dio: Upute za taktilnu i haptičku interakciju (ISO 9241-920:2009; EN ISO 9241-920:2016)  
Ergonomics of human-system interaction – Part 920: Guidance on tactile and haptic interactions (ISO 9241-920:2009; EN ISO 9241-920:2016)  
- zamijenjena s: HRN EN ISO 9241-920:2024

## HZN/TO 163, Toplinska izolacija

HRN EN 13172:2012 en

Toplinsko-izolacijski proizvodi – Vrednovanje sukladnosti (EN 13172:2012)  
Thermal insulation products – Evaluation of conformity (EN 13172:2012)  
- zamijenjena s: HRN EN 13172:2024

## HZN/TO 207, Upravljanje okolišem

HRS CEN ISO/TS 14071:2016 en

Upravljanje okolišem – Procjena životnog ciklusa – Procesi kritičke ocjene i kompetencije ocjenjivača: Dodatni zahtjevi i smjernice za normu ISO 14044:2006 (ISO/TS 14071:2014; CEN ISO/TS 14071:2016)  
Environmental management – Life cycle assessment – Critical review processes and reviewer competencies: Additional requirements and guidelines to ISO 14044:2006 (ISO/TS 14071:2014; CEN ISO/TS 14071:2016)  
- zamijenjena s: HRN EN ISO 14071:2024

## HZN/TO 221, Geosintetici

HRN EN ISO 10319:2015 en

Geosintetici – Vlačno ispitivanje na širokim trakama (ISO 10319:2015; EN ISO 10319:2015)  
Geosynthetics – Wide-width tensile test (ISO 10319:2015; EN ISO 10319:2015)  
- zamijenjena s: HRN EN ISO 10319:2024

HRN EN ISO 13428:2005 en

Geosintetici – Određivanje učinkovitosti zaštite geosintetikom od oštećenja udarcem (ISO 13428:2005; EN ISO 13428:2005)  
Geosynthetics – Determination of the protection efficiency of a geosynthetic against impact damage (ISO 13428:2005; EN ISO 13428:2005)  
- zamijenjena s: HRN EN ISO 13428:2024

## HZN/TO 502, Plinski uređaji

HRN EN 88-2:2022 en

Sigurnosni i regulacijski uređaji za plinske plamenike i plinske uređaje – 2. dio: Regulatori tlaka i/ili protoka za ulazne tlakove iznad 50 kPa do 500 kPa i uključujući 500 kPa (EN 88-2:2022)  
Safety and control devices for gas burners and gas burning appliances – Part 2: Pressure regulators for inlet pressures above 50 kPa up to and including 500 kPa (EN 88-2:2022)  
- zamijenjena s: HRN EN 88-2:2024

HRN EN 88-3:2022 en

Sigurnosni i regulacijski uređaji za plinske plamenike i plinske uređaje – 3. dio: Regulatori tlaka i/ili protoka za ulazne tlakove do 500 kPa i uključujući 500 kPa, elektronički tipovi (EN 88-3:2022)  
Safety and control devices for gas burners and gas burning appliances – Part 3: Pressure and/or flow rate regulators for inlet pressures up to and including 500 kPa, electronic types (EN 88-3:2022)  
- zamijenjena s: HRN EN 88-3:2024

HRN EN 125:2022 en

Uređaji za nadzor plamena za plinske uređaje – Termoelektrični uređaji za nadzor plamena (EN 125:2022)  
Flame supervision devices for gas burning appliances – Thermoelectric flame supervision devices (EN 125:2022)  
- zamijenjena s: HRN EN 125:2024

HRN EN 509:2004 en

Plinski uređaji s ukrasnim utiskom (dekorativnim efektom) gorenja (EN 509:1999+A1:2003)  
Decorative fuel-effect gas appliances (EN 509:1999+A1:2003)  
- zamijenjena s: HRN EN 509:2024

HRN EN 16304:2022 en

Automatski odzračni ventili za plinske plamenike i plinske uređaje (EN 16304:2022)  
Automatic vent valves for gas burners and gas burning appliances (EN 16304:2022)  
- zamijenjena s: HRN EN 16304:2024

## HZN/TO 503, Metalni materijali

HRN EN 1982:2017 en

Bakar i legure bakra – Ingoti i odljevci (EN 1982:2017)  
Copper and copper alloys – Ingots and castings (EN 1982:2017)  
- zamijenjena s: HRN EN 1982:2024

HRN EN 10305-5:2016 en

Precizne čelične cijevi – Tehnički uvjeti isporuke – 5. dio: Zavarene hladno valjane cijevi kvadratnog i četvrtastog presjeka (EN 10305-5:2016)  
Steel tubes for precision applications – Technical delivery conditions – Part 5: Welded cold sized square and rectangular tubes (EN 10305-5:2016)  
- zamijenjena s: HRN EN 10305-3:2024

HRN EN 12163:2016 en  
Bakar i legure bakra – Šipke za opću namjenu (EN 12163:2016)  
Copper and copper alloys – Rod for general purposes  
(EN 12163:2016)  
- zamijenjena s: HRN EN 12163:2024

HRN EN 12164:2016 en  
Bakar i legure bakra – Šipke namijenjene strojnoj obradi  
(EN 12164:2016)  
Copper and copper alloys – Rod for free machining purposes  
(EN 12164:2016)  
- zamijenjena s: HRN EN 12164:2024

HRN EN 12165:2016 en  
Bakar i legure bakra – Gnječeni i negnječeni materijal  
namijenjen kovanju (EN 12165:2016)  
Copper and copper alloys – Wrought and unwrought forging  
stock (EN 12165:2016)  
- zamijenjena s: HRN EN 12165:2024

HRN EN 12166:2016 en  
Bakar i legure bakra – Žica za opću namjenu (EN 12166:2016)  
Copper and copper alloys – Wire for general purposes  
(EN 12166:2016)  
- zamijenjena s: HRN EN 12166:2024

HRN EN 12167:2016 en  
Bakar i legure bakra – Profili i šipke za opću namjenu  
(EN 12167:2016)  
Copper and copper alloys – Profiles and bars for general  
purposes (EN 12167:2016)  
- zamijenjena s: HRN EN 12167:2024

HRN EN 12168:2016 en  
Bakar i legure bakra – Šuplje šipke namijenjene strojnoj  
obradi (EN 12168:2016)  
Copper and copper alloys – Hollow rod for free machining  
purposes (EN 12168:2016)  
- zamijenjena s: HRN EN 12168:2024

HRN EN 12420:2014 en  
Bakar i legure bakra – Otkivci (EN 12420:2014)  
Copper and copper alloys – Forgings (EN 12420:2014)  
- zamijenjena s: HRN EN 12420:2024

HRN EN 12735-2:2016 en  
Bakar i legure bakra – Bešavne okrugle cijevi za klimatizaciju i  
hlađenje – 2. dio: Cijevi za opremu (EN 12735-2:2016)  
Copper and copper alloys – Seamless, round tubes for air  
conditioning and refrigeration – Part 2: Tubes for equipment  
(EN 12735-2:2016)  
- zamijenjena s: HRN EN 12735-2:2024

## **HZN/TO 505, *Prijenos i distribucija plina***

HRN EN 12007-5:2014 en  
Plinska infrastruktura – Cjevovodi za najveći radni tlak do  
16 bara i uključujući 16 bara – 5. dio: Vodovi za održavanje  
– Specifični funkcionalni zahtjevi (EN 12007-5:2014)  
Gas infrastructure – Pipelines for maximum operating  
pressure up to and including 16 bar – Part 5: Service lines  
– Specific functional requirements (EN 12007-5:2014)  
- zamijenjena s: HRN EN 12007-5:2024

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

HRN EN ISO 10426-5:2006 en  
Industrija nafte i prirodnog plina – Cementi i materijali za  
cementaciju bušotine – 5. dio: Određivanje stezanja i širenja  
bušotinskih cementnih pripravaka pri atmosferskom tlaku  
(ISO 10426-5:2004; EN ISO 10426-5:2005)  
Petroleum and natural gas industries – Cements and materials  
for well cementing – Part 5: Determination of shrinkage  
and expansion of well cement formulations at atmospheric  
pressure (ISO 10426-5:2004; EN ISO 10426-5:2005)  
- zamijenjena s: HRN EN ISO 10426-5:2024

## **HZN/TO 509, *Cestovna oprema***

HRN ENV 1317-4:2004 en  
Zaštitni cestovni sustavi – 4. dio: Vrste izvedbi, kriteriji  
prihvatljivosti ispitivanja udara i metode ispitivanja završnih  
i prijelaznih elemenata zaštitnih ograda (ENV 1317-4:2001)  
Road restraint systems – Part 4: Performance classes, impact  
test acceptance criteria and test methods for terminals and  
transitions of safety barriers (ENV 1317-4:2001)  
- zamijenjena s: HRS CEN/TS 1317-7:2024,  
HRS CEN/TS 1317-9:2024, HRI CEN/TR 1317-10:2024

HRN EN 1794-1:2019 en  
Barijere za zaštitu od buke s cesta – Neakustična svojstva  
– 1. dio: Mehanička svojstva i zahtjevi za stabilnost  
(EN 1794-1:2018+AC:2018)  
Road traffic noise reducing devices – Non-acoustic  
performance – Part 1: Mechanical performance and stability  
requirements (EN 1794-1:2018+AC:2018)  
- zamijenjena s: HRN EN 1794-1:2024

HRN EN 1794-2:2020 en  
Barijere za zaštitu od buke s cesta – Neakustična svojstva  
– 2. dio: Opći sigurnosni zahtjevi i uvjeti zaštite okoliša  
(EN 1794-2:2020)  
Road traffic noise reducing devices – Non-acoustic  
performance – Part 2: General safety and environmental  
requirements (EN 1794-2:2020)  
- zamijenjena s: HRN EN 1794-2:2024

## **HZN/TO 522, *Gospodarenje otpadom i karakterizacija mulja***

HRN EN 14803:2020 en  
Identifikacija i/ili određivanje količine otpada (EN 14803:2020)  
Identification and/or determination of the quantity of waste  
(EN 14803:2020)  
- zamijenjena s: HRN EN 14803:2024

## **HZN/TO 526, *Bitumenska veziva***

HRN EN 12594:2014 en  
Bitumen i bitumenska veziva – Priprema ispitnih uzoraka  
(EN 12594:2014)  
Bitumen and bituminous binders – Preparation of test samples  
(EN 12594:2014)  
- zamijenjena s: HRN EN 12594:2024

HRN EN 12597:2014 en,fr,de  
Bitumen i bitumenska veziva – Nazivlje (EN 12597:2014)  
Bitumen and bituminous binders – Terminology (EN 12597:2014)  
- zamijenjena s: HRN EN 12597:2024

## **HZN/TO 528, *Oprema za željeznice***

HRN EN 12299:2009 en  
Željeznički sustav – Udobnost vožnje putnika – Mjerenje i  
vrednovanje (EN 12299:2009)  
Railway applications – Ride comfort for passengers  
– Measurement and evaluation (EN 12299:2009)  
- zamijenjena s: HRN EN 12299:2024

HRN EN 13261:2020 en  
Željeznički sustav – Osovinski sklopovi i okretna postolja  
– Osovine – Zahtjevi za proizvod (EN 13261:2020)  
Railway applications – Wheelsets and bogies – Axles – Product  
requirements (EN 13261:2020)  
- zamijenjena s: HRN EN 13261:2024

HRN EN 15227:2020 en  
Željeznički sustav – Zahtjevi za otpornost tračničkih vozila na  
sudare (EN 15227:2020)  
Railway applications – Crashworthiness requirements for rail  
vehicles (EN 15227:2020)  
- zamijenjena s: HRN EN 15227:2024

HRN EN 15313:2016 en  
Željeznički sustav – Zahtjevi za osovinske sklopove u uporabi  
– Održavanje osovinskih sklopova u uporabi i skladištenju  
(EN 15313:2016)  
Railway applications – In-service wheelset operation  
requirements – In-service and off-vehicle wheelset  
maintenance (EN 15313:2016)  
- zamijenjena s: HRN EN 15313:2024

HRN EN 15839:2015 en  
Željeznički sustav – Ispitivanje prihvatljivosti vozničkih  
značajki željezničkih vozila – Teretni vagoni – Ispitivanje  
sigurnosti vožnje zbog djelovanja uzdužnih tlačnih sila  
(EN 15839:2012+A1:2015)  
Railway applications – Testing for the acceptance of running  
characteristics of railway vehicles – Freight wagons – Testing  
of running safety under longitudinal compressive forces  
(EN 15839:2012+A1:2015)  
- zamijenjena s: HRN EN 15839:2024

HRN EN 16286-1:2013 en  
Željeznički sustav – Prijelaznice između vozila – 1. dio: Glavne  
primjene (EN 16286-1:2013)  
Railway applications – Gangway systems between vehicles  
– Part 1: Main applications (EN 16286-1:2013)  
- zamijenjena s: HRN EN 16286-1:2024

## HZN/TO 531, *Plastika i guma*

HRN EN ISO 899-2:2008 en  
Plastika – Određivanje ponašanja pri puzanju – 2. dio: Savojno puzanje uz opterećenje na tri točke (ISO 899-2:2003; EN ISO 899-2:2003)  
Plastics – Determination of creep behaviour – Part 2: Flexural creep by three-point loading (ISO 899-2:2003; EN ISO 899-2:2003)  
- zamijenjena s: HRN EN ISO 899-2:2024

HRN EN ISO 899-2:2008/A1:2015 en  
Plastika – Određivanje ponašanja pri puzanju – 2. dio: Savojno puzanje uz opterećenje na tri točke – Amandman 1 (ISO 899-2:2003/Amd 1:2015; EN ISO 899-2:2003/A1:2015)  
Plastics – Determination of creep behaviour – Part 2: Flexural creep by three-point loading – Amendment 1 (ISO 899-2:2003/Amd 1:2015; EN ISO 899-2:2003/A1:2015)  
- zamijenjena s: HRN EN ISO 899-2:2024

HRN EN ISO 4892-1:2016 en  
Plastika – Metode izlaganja izvorima svjetla u laboratoriju – 1. dio: Opće upute (ISO 4892-1:2016; EN ISO 4892-1:2016)  
Plastics – Methods of exposure to laboratory light sources – Part 1: General guidance (ISO 4892-1:2016; EN ISO 4892-1:2016)  
- zamijenjena s: HRN EN ISO 4892-1:2024

HRN EN ISO 4892-3:2016 en  
Plastika – Metode izlaganja izvorima svjetla u laboratoriju – 3. dio: Fluorescentne UV-svjetiljke (ISO 4892-3:2016; EN ISO 4892-3:2016)  
Plastics – Methods of exposure to laboratory light sources – Part 3: Fluorescent UV lamps (ISO 4892-3:2016; EN ISO 4892-3:2016)  
- zamijenjena s: HRN EN ISO 4892-3:2024

## HZN/TO 534, *Spremnici za teret*

HRN EN ISO 21009-2:2016 en  
Kriogenične posude – Nepomične posude izolirane vakuumom – 2. dio: Pogonski zahtjevi (ISO 21009-2:2015; EN ISO 21009-2:2015)  
Cryogenic vessels – Static vacuum insulated vessels – Part 2: Operational requirements (ISO 21009-2:2015; EN ISO 21009-2:2015)  
- zamijenjena s: HRN EN ISO 21009-2:2024

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

HRN EN ISO 5459:2012 en  
Geometrijske specifikacije proizvoda (GSP) – Geometrijske tolerancije – Reference i sustavi referenci (ISO 5459:2011; EN ISO 5459:2011)  
Geometrical product specifications (GPS) – Geometrical tolerancing – Datums and datum systems (ISO 5459:2011; EN ISO 5459:2011)  
- zamijenjena s: HRN EN ISO 5459:2024

## HZN/TO 555, *Medicinski proizvodi*

HRN EN 556-2:2015 en  
Sterilizacija medicinskih proizvoda – Zahtjevi za medicinske proizvode koji se označavaju sa „STERILNO“ – 2. dio: Zahtjevi za aseptički obrađene medicinske proizvode (EN 556-2:2015)  
Sterilization of medical devices – Requirements for medical devices to be designated "STERILE" – Part 2: Requirements for aseptically processed medical devices (EN 556-2:2015)  
- zamijenjena s: HRN EN 556-2:2024

## HZN/TO 557, *Zaštitna odjeća*

HRN EN ISO 13997:2023 en  
Zaštitna odjeća – Mehanička svojstva – Određivanje otpornosti na razrezivanje oštrim predmetima (ISO 13997:2023; EN ISO 13997:2023)  
Protective clothing – Mechanical properties – Determination of resistance to cutting by sharp objects (ISO 13997:2023; EN ISO 13997:2023)  
- zamijenjena s: HRN EN ISO 13997:2024

## HZN/TO 560, *Tekstilni proizvodi*

HRN ISO 7772-1:2003 en  
Ocjena strojeva za industrijsko pranje prema njihovom utjecaju na tekstil – 1. dio: Strojevi za pranje (ISO 7772-1:1998)  
Assessment of industrial laundry machinery by its effect on textiles – Part 1: Washing machines (ISO 7772-1:1998)  
- bez zamjene

HRN EN 17137:2018 en  
Tekstil – Određivanje sadržaja spojeva na osnovi klorobenzena i klorotoluena (EN 17137:2018)  
Textiles – Determination of the content of compounds based on chlorobenzenes and chlorotoluenes (EN 17137:2018)  
- zamijenjena s: HRN EN 17137:2024

## HZN/TO 562, *Alatni strojevi i alati*

HRN EN ISO 19085-4:2018 en  
Strojevi za obradu drva – Sigurnost – 4. dio: Vertikalne kružne pile za ploče (ISO 19085-4:2018; EN ISO 19085-4:2018)  
Woodworking machines – Safety – Part 4: Vertical panel circular sawing machines (ISO 19085-4:2018; EN ISO 19085-4:2018)  
- zamijenjena s: HRN EN ISO 19085-4:2024

HRN EN ISO 19085-5:2017 en  
Strojevi za obradu drva – Sigurnost – 5. dio: Formatne pile (ISO 19085-5:2017; EN ISO 19085-5:2017)  
Woodworking Machines – Safety – Part 5: Dimension saws (ISO 19085-5:2017; EN ISO 19085-5:2017)  
- zamijenjena s: HRN EN ISO 19085-5:2024

HRN EN ISO 19085-7:2021 en  
Strojevi za obradu drva – Sigurnost – 7. dio: Strojevi za blanjanje površina, strojevi za blanjanje na debljinu i kombinirani strojevi za blanjanje površina i blanjanje na debljinu (ISO 19085-7:2019; EN ISO 19085-7:2019)  
Woodworking machines – Safety – Part 7: Surface planing, thickness planing, combined surface/thickness planing machines (ISO 19085-7:2019; EN ISO 19085-7:2019)  
- zamijenjena s: HRN EN ISO 19085-7:2024

HRN EN ISO 19085-8:2018 en  
Strojevi za obradu drva – Sigurnost – 8. dio: Tračne brusilice za kalibriranje za ravne obratke (ISO 19085-8:2017; EN ISO 19085-8:2018)  
Woodworking machines – Safety – Part 8: Belt sanding and calibrating machines for straight workpieces (ISO 19085-8:2017; EN ISO 19085-8:2018)  
- zamijenjena s: HRN EN ISO 19085-8:2024

HRN EN ISO 19085-9:2021 en  
Strojevi za obradu drva – Sigurnost – 9. dio: Kružne stolne pile (sa i bez klizne ploče) (ISO 19085-9:2019; EN ISO 19085-9:2020)  
Woodworking machines – Safety – Part 9: Circular saw benches (with and without sliding table) (ISO 19085-9:2019; EN ISO 19085-9:2020)  
- zamijenjena s: HRN EN ISO 19085-9:2024

HRN EN ISO 19085-11:2020 en  
Strojevi za obradu drva – Sigurnost – 11. dio: Kombinirani strojevi (ISO 19085-11:2020; EN ISO 19085-11:2020)  
Woodworking machines – Safety – Part 11: Combined machines (ISO 19085-11:2020; EN ISO 19085-11:2020)  
- zamijenjena s: HRN EN ISO 19085-11:2024

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

HRN EN ISO 20837:2008 en  
Mikrobiologija hrane i hrane za životinje – Lančana reakcija polimerazom (PCR) za dokazivanje prisutnosti patogena u hrani – Zahtjevi za pripremu uzoraka i kvalitativno određivanje (ISO 20837:2006; EN ISO 20837:2006)  
Microbiology of food and animal feeding stuffs – Polymerase chain reaction (PCR) for the detection of food-borne pathogens – Requirements for sample preparation for qualitative detection (ISO 20837:2006; EN ISO 20837:2006)  
- zamijenjena s: HRN EN ISO 22174:2024

HRN EN ISO 20838:2008 en  
Mikrobiologija hrane i hrane za životinje – Lančana reakcija polimerazom (PCR) za dokazivanje prisutnosti patogena u hrani – Zahtjevi za amplifikaciju i određivanje za kvalitativne metode (ISO 20838:2006; EN ISO 20838:2006)  
Microbiology of food and animal feeding stuffs – Polymerase chain reaction (PCR) for the detection of food-borne pathogens – Requirements for amplification and detection for qualitative methods (ISO 20838:2006; EN ISO 20838:2006)  
- zamijenjena s: HRN EN ISO 22174:2024

HRN EN ISO 22119:2012 en

Mikrobiologija hrane i stočne hrane – Lančana reakcija polimerazom u stvarnom vremenu (RT-PCR) za dokazivanje patogena koji potječu iz hrane – Opći zahtjevi i definicije (ISO 22119:2011; EN ISO 22119:2011)  
Microbiology of food and animal feeding stuffs – Real-time polymerase chain reaction (PCR) for the detection of food-borne pathogens – General requirements and definitions (ISO 22119:2011; EN ISO 22119:2011)  
- zamijenjena s: HRN EN ISO 22174:2024

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

HRN EN 17109:2020 en

Planinarska oprema – Individualni sigurnosni sustavi za adrenalinske parkove – Sigurnosni zahtjevi i metode ispitivanja (EN 17109:2020)  
Mountaineering equipment – Individual safety systems for rope courses – Safety requirements and test methods (EN 17109:2020)  
- zamijenjena s: HRN EN 17109:2024

HRN EN ISO 20957-2:2021 en

Nepomična oprema za vježbanje – 2. dio: Sprava za trening snage, dodatni posebni sigurnosni zahtjevi i metode ispitivanja (ISO 20957-2:2020; EN ISO 20957-2:2021)  
Stationary training equipment – Part 2: Strength training equipment, additional specific safety requirements and test methods (ISO 20957-2:2020; EN ISO 20957-2:2021)  
- zamijenjena s: HRN EN ISO 20957-2:2024

HRN EN ISO 20957-7:2021 en

Nepomična oprema za vježbanje – 7. dio: Veslački ergometar, dodatni posebni sigurnosni zahtjevi i metode ispitivanja (ISO 20957-7:2020; EN ISO 20957-7:2021)  
Stationary training equipment – Part 7: Rowing equipment, additional specific safety requirements and test methods (ISO 20957-7:2020; EN ISO 20957-7:2021)  
- zamijenjena s: HRN EN ISO 20957-7:2024

### **HZN/TO E15, Čvrsti elektrotehnički izolacijski materijali**

HRN EN 60455-3-8:2013 en

Reaktivne mješavine na bazi smola koje se upotrebljavaju za električne izolacije – 3. dio: Specifikacije za pojedinačne materijale – 8. list: Smole za kabelski pribor (IEC 60455-3-8:2013; EN 60455-3-8:2013)  
Resin based reactive compounds used for electrical insulation – Part 3: Specifications for individual materials – Sheet 8: Resins for cable accessories (IEC 60455-3-8:2013; EN 60455-3-8:2013)  
- zamijenjena s: HRN EN IEC 60455-3-8:2021

HRN EN 60674-3-1:2005 en

Plastične folije za elektrotehničke svrhe – 3. dio: Specifikacije za pojedinačne materijale – 1. list: Dvoosno orijentirana polipropilenska folija za kondenzatore (IEC 60674-3-1:1998; EN 60674-3-1:1998)  
Plastic films for electrical purposes – Part 3: Specifications for individual materials – Sheet 1: Biaxially oriented polypropylene (PP) film for capacitors (IEC 60674-3-1:1998; EN 60674-3-1:1998)  
- zamijenjena s: HRN EN IEC 60674-3-1:2021

HRN EN 60674-3-1:2005/A1:2014 en

Plastične folije za elektrotehničke svrhe – 3. dio: Specifikacije za pojedinačne materijale – 1. list: Dvoosno orijentirana polipropilenska folija za kondenzatore (IEC 60674-3-1:1998/am1:2011; EN 60674-3-1:1998/A1:2011)  
Plastic films for electrical purposes – Part 3: Specifications for individual materials – Sheet 1: Biaxially oriented polypropylene (PP) film for capacitors (IEC 60674-3-1:1998/am1:2011; EN 60674-3-1:1998/A1:2011)  
- zamijenjena s: HRN EN IEC 60674-3-1:2021

### **HZN/TO E31, Eksplozivne atmosfere**

HRN EN 13237:2012 hr,en-en

Potencijalno eksplozivne atmosfere – Nazivlje i definicije za opremu i zaštitne sustave za uporabu u ugroženim prostorima (EN 13237:2012)  
Potentially explosive atmospheres – Terms and definitions for equipment and protective systems intended for use in potentially explosive atmospheres (EN 13237:2012)  
- zamijenjena s: HRN EN 13237:2024

HRN EN 14983:2007 en

Sprečavanje eksplozije i zaštita u podzemnim rudnicima – Oprema i zaštitni sustavi za drenažu jamskog plina (EN 14983:2007)  
Explosion prevention and protection in underground mines – Equipment and protective systems for firedamp drainage (EN 14983:2007)  
- zamijenjena s: HRN EN 14983:2024

HRN EN ISO 16852:2016 en

Prigušivači plamena – Zahtjevi za pogonska svojstva, metode ispitivanja i ograničenja za uporabu (ISO 16852:2016; EN ISO 16852:2016)  
Flame arresters – Performance requirements, test methods and limits for use (ISO 16852:2016; EN ISO 16852:2016)  
- zamijenjena s: HRN EN ISO/IEC 80079-49:2024

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

HRN EN 684:2004 en

Elastične podne obloge – Određivanje čvrstoće šava (EN 684:1995)  
Resilient floor coverings – Determination of seam strength (EN 684:1995)  
- zamijenjena s: HRN EN ISO 16906:2024

HRN EN 1269:2019 en

Tekstilne podne obloge – Ocjena impregnacije iglanih podnih obloga pomoću ispitivanja zemljom (EN 1269:2019)  
Textile floor coverings – Assessment of impregnations in needled floor coverings by means of a soiling test (EN 1269:2019)  
- zamijenjena s: HRN EN 1269:2024

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

HRN EN ISO 19403-4:2020 en

Boje i lakovi – Kvašenje – 4. dio: Određivanje polarnih i disperzivnih udjela površinske napetosti tekućina iz međupovršinske napetosti (ISO 19403-4:2017; EN ISO 19403-4:2020)  
Paints and varnishes – Wettability – Part 4: Determination of the polar and dispersive fractions of the surface tension of liquids from an interfacial tension (ISO 19403-4:2017; EN ISO 19403-4:2020)  
- zamijenjena s: HRN EN ISO 19403-4:2024

HRN EN ISO 19403-5:2020 en

Boje i lakovi – Kvašenje – 5. dio: Određivanje polarnih i disperzivnih udjela površinske napetosti tekućina iz mjerenja kontaktnih kutova na krutini s čisto disperzivnim doprinosom energiji površine (ISO 19403-5:2017; EN ISO 19403-5:2020)  
Paints and varnishes – Wettability – Part 5: Determination of the polar and dispersive fractions of the surface tension of liquids from contact angles measurements on a solid with only a disperse contribution to its surface energy (ISO 19403-5:2017; EN ISO 19403-5:2020)  
- zamijenjena s: HRN EN ISO 19403-5:2024

HRN EN ISO 19403-6:2020 en

Boje i lakovi – Kvašenje – 6. dio: Mjerenje dinamičkog kontaktnog kuta (ISO 19403-6:2017; EN ISO 19403-6:2020)  
Paints and varnishes – Wettability – Part 6: Measurement of dynamic contact angle (ISO 19403-6:2017; EN ISO 19403-6:2020)  
- zamijenjena s: HRN EN ISO 19403-6:2024

HRN EN ISO 19403-7:2020 en

Boje i lakovi – Kvašenje – 7. dio: Mjerenje kontaktnog kuta na platformi na naginjanje (kut kotrljanja kapi) (ISO 19403-7:2017; EN ISO 19403-7:2020)  
Paints and varnishes – Wettability – Part 7: Measurement of the contact angle on a tilt stage (roll-off angle) (ISO 19403-7:2017; EN ISO 19403-7:2020)  
- zamijenjena s: HRN EN ISO 19403-7:2024

### **HZN/TU N1, Nemetalni materijali 1**

HRN EN 16214-1:2019 en

Kriteriji održivosti za proizvodnju biogoriva i biotekućina za dobivanje energije – Načela, kriteriji, indikatori i sredstva za provjeru – 1. dio: Nazivlje (EN 16214-1:2012+A1:2019)  
Sustainability criteria for the production of biofuels and bioliquids for energy applications – Principles, criteria, indicators and verifiers – Part 1: Terminology (EN 16214-1:2012+A1:2019)  
- zamijenjena s: HRN EN 16214-1:2024

HRN EN 16214-3:2017 en

Kriteriji održivosti za proizvodnju biogoriva i biotekućina za dobivanje energije – Načela, kriteriji, indikatori i sredstva za provjeru – 3. dio: Bioraznolikost i ekološki aspekti vezani za zaštitu prirode (EN 16214-3:2012+A1:2017)  
Sustainability criteria for the production of biofuels and bioliquids for energy applications – Principles, criteria, indicators and verifiers – Part 3: Biodiversity and environmental aspects related to nature protection purposes (EN 16214-3:2012+A1:2017)  
- zamijenjena s: HRN EN 16214-3:2024

HRN EN ISO 20182:2008 en

Priprema vatrootalnih testnih uzoraka – Punjenje vatrootalnih panela pištoljima s pneumatskom mlaznicom za miješanje (ISO 20182:2008; EN ISO 20182:2008)  
Refractory test-piece preparation – Gunning refractory panels by the pneumatic-nozzle mixing type guns (ISO 20182:2008; EN ISO 20182:2008)  
- zamijenjena s: HRN EN ISO 20182:2024

## **HZNTU S1, Zdravlje, okoliš i medicinska oprema 1**

HRN EN ISO 11334-4:2008 en

Jednoručna pomagala za hodanje – Zahtjevi i metode ispitivanja – 4. dio: Štapovi za hodanje s 3 ili više krakova (ISO 11334-4:1999; EN ISO 11334-4:1999)  
Walking aids manipulated by one arm – Requirements and test methods – Part 4: Walking sticks with three or more legs (ISO 11334-4:1999; EN ISO 11334-4:1999)  
- zamijenjena s: HRN EN ISO 11334-4:2024

HRN EN ISO 14356:2008 en

Stomatologija – Materijal za dupliciranje (ISO 14356:2003; EN ISO 14356:2003)  
Dentistry – Duplicating material (ISO 14356:2003; EN ISO 14356:2003)  
- zamijenjena s: HRN EN ISO 14356:2024

HRN EN ISO 25539-3:2012 en

Kardiovaskularni implantati – Endovaskularna sredstva – 3. dio: Kavalni filtri (ISO 25539-3:2011; EN ISO 25539-3:2011)  
Cardiovascular implants – Endovascular devices – Part 3: Vena cava filters (ISO 25539-3:2011; EN ISO 25539-3:2011)  
- zamijenjena s: HRN EN ISO 25539-3:2024

## **HZNTU T1, Prijevoz, rukovanje materijalima i pakiranje 1**

HRN EN 2350:2008 en

Nizovi o zrakoplovstvu – Automatski osigurači – Tehničke specifikacije (EN 2350:1990)  
Aerospace series – Circuit breakers – Technical specification (EN 2350:1990)  
- zamijenjena s: HRN EN 2350:2024

HRN EN 2588:2008 en

Nizovi o zrakoplovstvu – Ležajevi, kuglasti klizni sa žljebovima, izrađeni od čelika otpornog na koroziju – Dimenzije i opterećenja (EN 2588:2006)  
Aerospace series – Bearings, spherical plain in corrosion resisting steel with assembly slots – Dimensions and loads (EN 2588:2006)  
- zamijenjena s: HRN EN 2588:2024

HRN EN 2591-100:2018 en

Zrakoplovstvo – Elementi električne i optičke veze – Metode ispitivanja – 100. dio: Općenito (EN 2591-100:2018)  
Aerospace series – Elements of electrical and optical connection – Test methods – Part 100: General (EN 2591-100:2018)  
- zamijenjena s: HRN EN 2591-100:2024

HRN EN 3841-100:2008 en

Nizovi o zrakoplovstvu – Automatski osigurači – Metode ispitivanja – 100. dio: Općenito (EN 3841-100:2004)  
Aerospace series – Circuit breakers – Test methods – Part 100: General (EN 3841-100:2004)  
- zamijenjena s: HRN EN 3841-100:2024

HRN EN 4165-024:2017 en

Zrakoplovstvo – Spojnice, električne, pravokutne, modularne – Stalna radna temperatura 175 °C – Dio 024: Samostalni modul utikač – Norma za proizvod (EN 4165-024:2017)  
Aerospace series – Connectors, electrical, rectangular, modular – Operating temperature 175 °C continuous – Part 024: Single module plug – Product standard (EN 4165-024:2017)  
- zamijenjena s: HRN EN 4165-024:2024

HRN EN 12312-4:2014 en

Oprema za zemaljsku podršku zrakoplovu – Posebni zahtjevi – 4. dio: Mostovi za ukrcaj putnika (EN 12312-4:2014)  
Aircraft ground support equipment – Specific requirements – Part 4: Passenger boarding bridges (EN 12312-4:2014)  
- zamijenjena s: HRN EN 12312-4:2024

## 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 34, *Poljoprivredni i prehrambeni proizvodi*

- **umjesto**

HRN EN ISO 20122:2024

Biljna ulja – Određivanje zasićenih ugljikovodika iz mineralnih ulja (MOSH) i aromatskih ugljikovodika iz mineralnih ulja (MOAH) analizom na online vezanom sustavu tekućinske kromatografije visoke djelotvornosti-plinska kromatografija-plamenoionizacijski detektor HPLC-GC-FID – Metoda za nisku granicu kvantifikacije (ISO 20122:2024; EN ISO 20122:2024)

Vegetable oils – Determination of mineral oil saturated hydrocarbons (MOSH) and mineral oil aromatic hydrocarbons (MOAH) with online-coupled high performance liquid chromatography-gas chromatography-flame ionization detection (HPLC-GC-FID) analysis – Method for low limit of quantification (ISO 20122:2024; EN ISO 20122:2024)

- **treba biti**

HRN EN ISO 20122:2024

Biljna ulja – Određivanje zasićenih ugljikovodika iz mineralnih ulja (MOSH) i aromatskih ugljikovodika iz mineralnih ulja (MOAH) analizom na online vezanom sustavu tekućinske kromatografije visoke djelotvornosti-plinska kromatografija-plamenoionizacijski detektor HPLC-GC-FID – Metoda za nisku granicu kvantifikacije (ISO 20122:2024, **ispravljena verzija 2024-11**; EN ISO 20122:2024)

Vegetable oils – Determination of mineral oil saturated hydrocarbons (MOSH) and mineral oil aromatic hydrocarbons (MOAH) with online-coupled high performance liquid chromatography-gas chromatography-flame ionization detection (HPLC-GC-FID) analysis – Method for low limit of quantification (ISO 20122:2024, **Corrected version 2024-11**; EN ISO 20122:2024)

### HZN/TO 89, *Furniri i drvne ploče*

- **umjesto**

HRN EN ISO 12460-5:2016

Ploče na osnovi drva – Određivanje otpuštanja formaldehida – 5. dio: Metoda izdvajanja (nazvana **perforacijska** metoda) (ISO 12460-5:2015; EN ISO 12460-5:2015)

Wood-based panels – Determination of formaldehyde release – Part 5: Extraction method (called the perforator method) (ISO 12460-5:2015; EN ISO 12460-5:2015)

- **treba biti**

HRN EN ISO 12460-5:2016

Ploče na osnovi drva – Određivanje otpuštanja formaldehida – 5. dio: Metoda izdvajanja (nazvana **perforatorska** metoda) (ISO 12460-5:2015; EN ISO 12460-5:2015)

Wood-based panels – Determination of formaldehyde release – Part 5: Extraction method (called the perforator method) (ISO 12460-5:2015; EN ISO 12460-5:2015)

## 2 Rezultati međunarodne i europske normizacije

### Europska normizacija (CEN)

Oznaka norme	Naslov norme	ICS	Datum objave
EN 334+A1	Gas pressure regulators for inlet pressure up to 10 MPa (100 bar)	23.060.40	rujan 2024.
EN 353-2	Personal fall protection equipment – Part 2: Guided type fall arresters including a flexible anchor line	13.340.60	rujan 2024.
EN 455-1+A2	Medical gloves for single use – Part 1: Requirements and testing for freedom of holes	11.140	rujan 2024.
EN 603-2	Aluminium and aluminium alloys – Wrought forging stock – Part 2: Mechanical properties	77.150.10	rujan 2024.
EN 817	Sanitary tapware – Mechanical mixing valves (PN 10) – General technical specifications	91.140.70	rujan 2024.
EN 1366-10+A1	Fire resistance tests for service installations – Part 10: Smoke control dampers	13.220.50; 91.140.30	rujan 2024.
EN 1996-1-2	Eurocode 6 – Design of masonry structures – Part 1-2: Structural fire design	13.220.50; 91.010.30; 91.080.30	rujan 2024.
EN 1996-2	Eurocode 6 – Design of masonry structures – Part 2: Design considerations, selection of materials and execution	91.010.30; 91.080.30	rujan 2024.
EN 1997-1	Eurocode 7 – Geotechnical design – Part 1: General rules	91.010.30; 93.020	rujan 2024.
EN 1997-2	Eurocode 7 – Geotechnical design – Part 2: Ground properties	91.010.30; 93.020	rujan 2024.
EN 1998-1-1	Eurocode 8 – Design of structures for earthquake resistance – Part 1-1: General rules and seismic action	91.010.30; 91.120.25	rujan 2024.
EN 1998-5	Eurocode 8 – Design of structures for earthquake resistance – Part 5: Geotechnical aspects, foundations, retaining and underground structures	91.010.30; 91.120.25	rujan 2024.
EN 3155-002	Aerospace series – Electrical contacts used in elements of connection – Part 002: List and utilization of contacts	49.060	rujan 2024.
EN 4888	Aerospace Series – Commercial aircraft passenger seats – Reliability testing	49.095	rujan 2024.
EN 10088-2	Stainless steels – Part 2: Technical delivery conditions for sheet/plate and strip of corrosion resistant steels for general purposes	77.140.20; 77.140.50	rujan 2024.
CEN/TR 12952-17	Water-tube boilers and auxiliary installations – Part 17: Guideline for the involvement of an inspection body independent of the manufacturer	27.040	rujan 2024.
EN 13445-11	Unfired pressure vessels – Part 11: Additional requirements for pressure vessels of titanium and titanium alloys	23.020.30	rujan 2024.
EN 14382+A1	Gas safety shut-off devices for inlet pressure up to 10 MPa (100 bar)	23.060.40	rujan 2024.
EN 15338	Hardware for furniture – Strength and durability of extension elements and their components	97.140	rujan 2024.
EN 15624+A1	Railway applications – Braking – Empty-loaded changeover devices	45.040	rujan 2024.
EN 16156	Cigarettes – Assessment of the ignition propensity – Safety requirement	13.220.40; 65.160	rujan 2024.
EN 17235	Permanent anchor devices and safety hooks	13.340.60	rujan 2024.
CEN/TR 17842-2	Playground equipment for children – Part 2: Replies to requests for interpretation of EN 1176:2017 and its parts (2020 – 2022)	97.200.40	rujan 2024.
EN 17860-1	Carrier cycles – Part 1: Terms and definitions	01.040.43; 43.150	rujan 2024.
EN 17860-2	Carrier Cycles – Part 2: Lightweight single track carrier cycles – Mechanical aspects	43.150	rujan 2024.
EN 17860-3	Carrier Cycles – Part 3: Lightweight multi track carrier cycles – Mechanical aspects	43.150	rujan 2024.
EN 17942	Welding and allied processes – Gas welding equipment – Safety requirements for thermoprocess equipment with open firing oxy-fuel gas welding equipment	25.160.30	rujan 2024.
CEN/TS 18053-1	Digital Chain of Custody for CBRNE Evidence – Part 1: Overview and Concepts	13.300; 35.240.99	rujan 2024.
CEN/TS 18053-2	Digital Chain of Custody for CBRNE Evidence – Part 2: Data Management and Audit	13.300; 35.240.99	rujan 2024.

Oznaka norme	Naslov norme	ICS	Datum objave
CEN/TS 18073	Ambient air – Determination of lung deposited surface area (LDSA) concentration using aerosol monitors based on diffusion charging	13.040.20	rujan 2024.
CEN/TR 18077	Building information modelling – Digital twins applied to the built environment – Use cases	35.240.67	rujan 2024.
CEN/TR 18093	Framework and Implementation of Common Data Environment solutions and workflow, in accordance with EN ISO 19650	35.240.67; 91.010.01	rujan 2024.
CEN/TR 18104	Space – SBAS receivers performances for maritime applications – MARESS Test report	47.020.70	rujan 2024.
CEN/TR 18108	Personal identification – Usage of biometrics in breeder documents	35.240.15	rujan 2024.
EN 50365/AC	Live Working – Electrically insulating helmets for use on low and medium voltage installations	13.260; 13.340.20	rujan 2024.
EN 50522/A1	Earthing of power installations exceeding 1 kV a.c.	29.120.50	rujan 2024.
EN 50620/A2	Electric cables – Charging cables for electric vehicles	29.060.20	rujan 2024.
EN IEC 60127-8/A1	Miniature fuses – Part 8: Fuse resistors with particular overcurrent protection (IEC 60127-8:2018/AMD1:2024)	29.120.50	rujan 2024.
EN 60216-2/AC	Electrical insulating materials – Thermal endurance properties – Part 2: Determination of thermal endurance properties of electrical insulating materials – Choice of test criteria (IEC 60216-2:2005/COR1:2024)	17.220.99; 29.035.01	rujan 2024.
EN IEC 60300-3-14	Dependability management – Part 3-14: Application guide – Supportability and support (IEC 60300-3-14:2024)	03.100.40; 03.120.01; 29.020; 31.020; 33.020; 35.020	rujan 2024.
EN IEC 60384-8	Fixed capacitors for use in electronic equipment – Part 8: Sectional specification – Fixed capacitors of ceramic dielectric, Class 1 (IEC 60384-8:2024)	31.060.20	rujan 2024.
EN IEC 60384-9	Fixed capacitors for use in electronic equipment – Part 9: Sectional specification – Fixed capacitors of ceramic dielectric, Class 2 (IEC 60384-9:2024)	31.060.20	rujan 2024.
EN 60400/A2	Lampholders for tubular fluorescent lamps and starterholders (IEC 60400:2017/AMD2:2022)	29.140.10	rujan 2024.
EN IEC 60601-2-2/A1	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 60601-2-2:2017/AMD1:2023)	11.040.30	rujan 2024.
EN 60601-2-3/A2	Medical electrical equipment – Part 2-3: Particular requirements for the basic safety and essential performance of short-wave therapy equipment (IEC 60601-2-3:2012/AMD2:2022)	11.040.60	rujan 2024.
EN 60601-2-6/A2	Medical electrical equipment – Part 2-6: Particular requirements for the basic safety and essential performance of microwave therapy equipment (IEC 60601-2-6:2012/AMD2:2022)	11.040.60	rujan 2024.
EN 60601-2-10/A2	Medical electrical equipment – Part 2-10: Particular requirements for the basic safety and essential performance of nerve and muscle stimulators (IEC 60601-2-10:2012/AMD2:2023)	11.040.60	rujan 2024.
EN IEC 60601-2-33	Medical electrical equipment – Part 2-33: Particular requirements for the basic safety and essential performance of magnetic resonance equipment for medical diagnosis (IEC 60601-2-33:2022)	11.040.55	rujan 2024.
EN 60601-2-45/A2	Medical electrical equipment – Part 2-45: Particular requirements for the basic safety and essential performance of mammographic X-ray equipment and mammographic stereotactic devices (IEC 60601-2-45:2011/A2:2022)	11.040.50	rujan 2024.
EN IEC 60601-2-46	Medical electrical equipment – Part 2-46: Particular requirements for the basic safety and essential performance of operating tables (IEC 60601-2-46:2023)	11.140	rujan 2024.
EN IEC 60601-2-54	Medical electrical equipment – Part 2-54: Particular requirements for the basic safety and essential performance of X-ray equipment for radiography and radioscopy (IEC 60601-2-54:2022)	11.040.50	rujan 2024.



Oznaka norme	Naslov norme	ICS	Datum objave
EN IEC 60601-2-75/A1	Medical electrical equipment – Part 2-75: Particular requirements for the basic safety and essential performance of photodynamic therapy and photodynamic diagnosis equipment (IEC 60601-2-75:2017/AMD1:2023)	11.040.01; 11.040.55; 11.040.60	rujan 2024.
EN IEC 61000-2-4	Electromagnetic compatibility (EMC) – Part 2-4: Environment – Compatibility levels in power distribution systems in industrial locations for low-frequency conducted disturbances (IEC 61000-2-4:2024)	33.100.01; 33.100.10; 33.100.20	rujan 2024.
EN IEC 61084-1	Cable trunking systems and cable ducting systems for electrical installations – Part 1: General requirements (IEC 61084-1:2017)	29.060.01; 29.120.01; 29.120.10	rujan 2024.
EN IEC 61084-1/A11	Cable trunking systems and cable ducting systems for electrical installations – Part 1: General requirements	29.060.01; 29.120.01; 29.120.10	rujan 2024.
EN IEC 61084-2-1	Cable trunking systems and cable ducting systems for electrical installations – Part 2-1: Particular requirements – Cable trunking systems and cable ducting systems intended for mounting on walls and ceilings	29.060.01; 29.120.10	rujan 2024.
EN IEC 61084-2-1/A11	Cable trunking systems and cable ducting systems for electrical installations – Part 2-1: Particular requirements – Cable trunking systems and cable ducting systems intended for mounting on walls and ceilings	29.060.01; 29.120.10	rujan 2024.
EN IEC 61084-2-2	Cable trunking systems and cable ducting systems for electrical installations – Part 2-2: Particular requirements – Cable trunking systems and cable ducting systems intended for mounting underfloor, flushfloor, or onfloor (IEC 61084-2-2:2017)	29.060.01; 29.120.10	rujan 2024.
EN IEC 61084-2-2/A11	Cable trunking systems and cable ducting systems for electrical installations – Part 2-2: Particular requirements – Cable trunking systems and cable ducting systems intended for mounting underfloor, flushfloor, or onfloor	29.060.01; 29.120.10	rujan 2024.
EN IEC 61084-2-3	Cable trunking systems and cable ducting systems for electrical installations – Part 2-3: Particular requirements – Slotted cable trunking systems intended for installation in cabinets (IEC 61084-2-3:2017)	29.060.01; 29.120.10	rujan 2024.
EN IEC 61084-2-3/A11	Cable trunking systems and cable ducting systems for electrical installations – Part 2-3: Particular requirements – Slotted cable trunking systems intended for installation in cabinets	29.060.01; 29.120.10	rujan 2024.
EN IEC 61084-2-4	Cable trunking systems and cable ducting systems for electrical installations – Part 2-4: Particular requirements – Service poles and service posts (IEC 61084-2-4:2017)	29.060.01; 29.120.10	rujan 2024.
EN IEC 61084-2-4/A11	Cable trunking systems and cable ducting systems for electrical installations – Part 2-4: Particular requirements – Service poles and service posts	29.060.01; 29.120.10	rujan 2024.
EN IEC 61280-2-13	Fibre optic communication subsystem test procedures – Part 2-13: Digital systems – Measurement of error vector magnitude (IEC 61280-2-13:2024)	33.180.01; 33.180.10	rujan 2024.
EN 61786-1/A1	Measurement of DC magnetic, AC magnetic and AC electric fields from 1 Hz to 100 kHz with regard to exposure of human beings – Part 1: Requirements for measuring instruments (IEC 61786-1:2013/AMD1:2024)	17.220.20	rujan 2024.
EN IEC 61960-4	Secondary cells and batteries containing alkaline or other non- acid electrolytes – Secondary lithium cells and batteries for portable applications – Part 4: Coin secondary lithium cells, and batteries made from them (IEC 61960-4:2024)	29.220.30; 29.220.99	rujan 2024.
EN IEC 61968-9	Enterprise business function interfaces for utility operations – Part 9: Interfaces for meter reading and control (IEC 61968-9:2024)	33.200; 35.240.99; 91.140.50	rujan 2024.
EN IEC 62271-100/A1	High-voltage switchgear and controlgear – Part 100: Alternating-current circuit-breakers (IEC 62271-100:2021/AMD1:2024)	29.130.10	rujan 2024.
EN IEC 62381	Automation systems in the process industry – Factory acceptance test (FAT), site acceptance test (SAT), and site integration test (SIT) (IEC 62381:2024)	25.040.40; 35.240.50	rujan 2024.
EN IEC 62382	Control systems in the process industry – Electrical and instrumentation loop check (IEC 62382:2024)	03.080.99; 25.040.40; 71.120.01	rujan 2024.

Oznaka norme	Naslov norme	ICS	Datum objave
EN IEC 62443-2-1	Security for industrial automation and control systems – Part 2-1: Security program requirements for IACS asset owners (IEC 62443-2-1:2024)	25.040.40; 35.030; 35.100.05; 35.240.50	rujan 2024.
EN IEC 62676-5-1	Video surveillance systems for use in security applications – Part 5-1: Data specifications and image quality performance for camera devices – Environmental test methods for image quality performance (IEC 62676-5-1:2024)	13.310; 13.320	rujan 2024.
EN IEC 62841-2-7	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 2-7: Particular requirements for hand-held spray guns (IEC 62841-2-7:2024)	25.140.20; 87.100	rujan 2024.
EN IEC 62841-2-7/A11	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 2-7: Particular requirements for hand-held spray guns	25.140.20; 87.100	rujan 2024.
EN IEC 62933-5-1	Electrical energy storage (EES) systems – Part 5-1: Safety considerations for grid-integrated EES systems – General specification (IEC 62933-5-1:2024)	13.020.30; 27.010	rujan 2024.
EN IEC 63082-2	Intelligent device management – Part 2: Requirements and recommendations (IEC 63082-2:2024)	25.040.01; 25.040.40; 35.240.50	rujan 2024.
EN IEC 63303	Human machine interfaces for process automation systems (IEC 63303:2024)	13.180; 25.040.40; 35.240.50	rujan 2024.
EN IEC 63412-1	Ultrasonics – Shear-wave elastography – Part 1: Specifications for the user interface (IEC 63412-1:2024)	11.040.55; 17.140.50	rujan 2024.
EN IEC 80601-2-58	Medical electrical equipment – Part 2-58: Particular requirements for the basic safety and essential performance of lens removal devices and vitrectomy devices for ophthalmic surgery (IEC 80601-2-58:2024)	11.040.70	rujan 2024.
EN IEC 80601-2-78/A1	Medical electrical equipment – Part 2-78: Particular requirements for basic safety and essential performance of medical robots for rehabilitation, assessment, compensation or alleviation (IEC 80601-2-78:2019/AMD1:2024)	11.040.01; 11.040.60	rujan 2024.
EN ISO 544	Welding consumables – Technical delivery conditions for filler materials and fluxes – Type of product, dimensions, tolerances and markings (ISO 544:2024)	25.160.20	rujan 2024.
EN ISO 642	Steel – Hardenability test by end quenching (Jominy test) (ISO 642:2024)	77.040.99	rujan 2024.
EN ISO 643	Steels – Micrographic determination of the apparent grain size (ISO 643:2024)	77.040.99	rujan 2024.
EN ISO 712-1	Cereals and cereal products – Determination of moisture content – Part 1: Reference method (ISO 712-1:2024)	67.060	rujan 2024.
EN ISO 712-2	Cereals and cereal products – Determination of moisture content – Part 2: Automatic drying oven method (ISO 712-2:2024)	67.060	rujan 2024.
EN ISO 2411	Rubber- or plastics-coated fabrics – Determination of coating adhesion (ISO 2411:2023)	59.080.40	rujan 2024.
EN ISO 2884-1	Paints and varnishes – Determination of viscosity using rotational viscometers – Part 1: Absolute viscosity measurement with cone-plate measuring geometry at high shear rates (ISO 2884-1:2024)	87.040	rujan 2024.
CEN ISO/TS 5387	Nanotechnologies – Lung burden mass measurement of nanomaterials for inhalation toxicity tests (ISO/TS 5387:2023)	7.120	rujan 2024.
EN ISO 5463	Geometrical product specifications (GPS) – Rotary axis form-measuring instruments – Design and metrological characteristics (ISO 5463:2024)	17.040.30; 17.040.40	rujan 2024.
EN ISO 7199	Cardiovascular implants and artificial organs – Blood-gas exchangers (oxygenators) (ISO 7199:2024)	11.040.40	rujan 2024.
EN ISO 7211-2	Textiles – Methods for analysis of woven fabrics construction – Part 2: Determination of number of threads per unit length (ISO 7211-2:2024)	59.080.30	rujan 2024.
EN ISO 7287/A1	Graphical symbols for thermal cutting equipment – Amendment 1 (ISO 7287:2002/Amd 1:2024)	01.080.20; 25.160.30	rujan 2024.
EN ISO 8536-13	Infusion equipment for medical use – Part 13: Graduated flow regulators for single use with fluid contact (ISO 8536-13:2024)	11.040.20	rujan 2024.
EN ISO 9001/A1	Quality management systems – Requirements – Amendment 1: Climate action changes (ISO 9001:2015/Amd 1:2024)	03.100.70; 03.120.10	rujan 2024.

Oznaka norme	Naslov norme	ICS	Datum objave
EN ISO 9013/A1	Thermal cutting – Classification of thermal cuts – Geometrical product specification and quality tolerances – Amendment 1 (ISO 9013:2017/Amd 1:2024)	25.160.10	rujan 2024.
EN ISO 9241-5	Ergonomics of human-system interaction – Part 5: Workstation layout and postural requirements (ISO 9241-5:2024)	13.180; 35.180	rujan 2024.
EN ISO 9658	Steel – Determination of aluminium content – Flame atomic absorption spectrometric method (ISO 9658:2024)	77.080.20	rujan 2024.
EN ISO 9773	Plastics – Determination of burning behaviour of thin flexible vertical specimens in contact with a small-flame ignition source (ISO 9773:2024)	13.220.40; 83.080.01	rujan 2024.
EN ISO 10427-1	Oil and gas industries including lower carbon energy – Equipment for well cementing – Part 1: Casing bow-spring centralizers (ISO 10427-1:2024)	75.180.10	rujan 2024.
EN ISO 11812	Small craft – Watertight or quick-draining recesses and cockpits (ISO 11812:2020)	47.080	rujan 2024.
EN ISO 11812/A1	Small craft – Watertight or quick-draining recesses and cockpits – Amendment 1 (ISO 11812:2020/Amd 1:2024)	47.080	rujan 2024.
EN ISO 12312-1/A11	Eye and face protection – Sunglasses and related eyewear – Part 1: Sunglasses for general use	13.340.20	rujan 2024.
EN ISO 13351	Fans – Dimensions (ISO 13351:2024)	23.120	rujan 2024.
EN ISO 14001/A1	Environmental management systems – Requirements with guidance for use – Amendment 1: Climate action changes (ISO 14001:2015/Amd 1:2024)	03.100.70; 13.020.10	rujan 2024.
EN ISO 14344	Welding consumables – Procurement of filler materials and fluxes (ISO 14344:2024)	25.160.20	rujan 2024.
EN ISO 15085	Small craft – Protection from falling overboard and means of reboarding (ISO 15085:2024)	47.080	rujan 2024.
EN ISO 15378/A1	Primary packaging materials for medicinal products – Particular requirements for the application of ISO 9001:2015, with reference to good manufacturing practice (GMP) – Amendment 1: Climate action changes (ISO 15378:2017/Amd 1:2024)	03.100.70; 11.040.01	rujan 2024.
EN ISO 15614-5	Specification and qualification of welding procedures for metallic materials – Welding procedure test – Part 5: Arc welding of titanium, zirconium and their alloys (ISO 15614-5:2024)	25.160.10	rujan 2024.
EN ISO 15995/A1	Gas cylinders – Specifications and testing of LPG cylinder valves – Manually operated – Amendment 1 (ISO 15995:2021/Amd 1:2024)	23.020.35	rujan 2024.
EN ISO 16140-2/A1	Microbiology of the food chain – Method validation – Part 2: Protocol for the validation of alternative (proprietary) methods against a reference method – Amendment 1 (ISO 16140-2:2016/Amd 1:2024)	07.100.30	rujan 2024.
EN ISO 16140-4/A1	Microbiology of the food chain – Method validation – Part 4: Protocol for method validation in a single laboratory – Amendment 1: Validation of a larger test portion size for qualitative methods (ISO 16140-4:2020/Amd 1:2024)	07.100.30	rujan 2024.
EN ISO 16890-3	Air filters for general ventilation – Part 3: Determination of the gravimetric efficiency and the air flow resistance versus the mass of test dust captured (ISO 16890-3:2024)	91.140.30	rujan 2024.
EN ISO 17174	Molecular biomarker analysis – DNA barcoding of fish and fish products using defined mitochondrial cytochrome b and cytochrome c oxidase I gene segments (ISO 17174:2024)	67.120.30	rujan 2024.
EN ISO 19337	Nanotechnologies – Characteristics of working suspensions of nano-objects for in vitro assays to evaluate inherent nano-object toxicity (ISO 19337:2023)	7.120	rujan 2024.
EN ISO 19403-2	Paints and varnishes – Wettability – Part 2: Determination of the surface free energy of solid surfaces by measuring the contact angle (ISO 19403-2:2024)	87.040	rujan 2024.
EN ISO 19403-3	Paints and varnishes – Wettability – Part 3: Determination of the surface tension of liquids using the pendant drop method (ISO 19403-3:2024)	87.040	rujan 2024.
EN ISO 19443/A1	Quality management systems – Specific requirements for the application of ISO 9001:2015 by organizations in the supply chain of the nuclear energy sector supplying products and services important to nuclear safety (ITNS) – Amendment 1: Climate action changes (ISO 19443:2018/Amd 1:2024)	03.120.10; 27.120.01	rujan 2024.

Oznaka norme	Naslov norme	ICS	Datum objave
EN ISO 20342-5	Assistive products for tissue integrity when lying down – Part 5: Test method for resistance to cleaning and disinfection (ISO 20342-5:2024)	11.180.01	rujan 2024.
EN ISO 21012	Cryogenic vessels – Hoses (ISO 21012:2024)	23.020.40; 83.140.40	rujan 2024.
EN ISO 21898	Packaging – Flexible intermediate bulk containers (FIBCs) for non-dangerous goods (ISO 21898:2024)	55.180.99	rujan 2024.
EN ISO 22000/A1	Food safety management systems – Requirements for any organization in the food chain – Amendment 1: Climate action changes (ISO 22000:2018/Amd 1:2024)	03.100.70; 67.020	rujan 2024.
EN ISO 22174	Microbiology of the food chain – Polymerase chain reaction (PCR) for the detection and quantification of microorganisms – General requirements and definitions (ISO 22174:2024)	07.100.30	rujan 2024.
EN ISO 22301/A1	Security and resilience – Business continuity management systems – Requirements – Amendment 1: Climate action changes (ISO 22301:2019/Amd 1:2024)	03.100.01; 03.100.70	rujan 2024.
EN ISO 23500-1	Preparation and quality management of fluids for haemodialysis and related therapies – Part 1: General requirements (ISO 23500-1:2024)	11.040.40	rujan 2024.
CEN/CLC ISO/IEC/TS 23532-1	Information security, cybersecurity and privacy protection – Requirements for the competence of IT security testing and evaluation laboratories – Part 1: Evaluation for ISO/IEC 15408 (ISO/IEC/TS 23532-1:2021)	35.030	rujan 2024.
CEN/CLC ISO/IEC/TS 23532-2	Information security, cybersecurity and privacy protection – Requirements for the competence of IT security testing and evaluation laboratories – Part 2: Testing for ISO/IEC 19790 (ISO/IEC/TS 23532-2:2021)	35.030	rujan 2024.
EN ISO 23936-4	Oil and gas industries including lower carbon energy – Non-metallic materials in contact with media related to oil and gas production – Part 4: Fiber-reinforced composite (ISO 23936-4:2024)	75.180.01	rujan 2024.
EN ISO 24096-1	Technical product documentation (TPD) – Classification of requirements – Part 1: Framework (ISO 24096-1:2024)	01.100.01	rujan 2024.
EN ISO 24096-2	Technical product documentation (TPD) – Classification of requirements – Part 2: Classification based on severity and susceptibility (ISO 24096-2:2024)	01.100.01	rujan 2024.
CEN ISO/TS 24672	Nanotechnologies – Guidance on the measurement of nanoparticle number concentration (ISO/TS 24672:2023)	7.120	rujan 2024.
EN ISO 24808/A11	Recreational diving services – Requirements for rebreather instructor training	03.080.30; 03.100.30; 03.200.99	rujan 2024.
EN ISO/IEC 27001/A1	Information security, cybersecurity and privacy protection – Information security management systems – Requirements – Amendment 1: Climate action changes (ISO/IEC 27001:2022/Amd 1:2024)	03.100.70; 35.030	rujan 2024.
EN ISO 29001/A1	Petroleum, petrochemical and natural gas industries – Sector-specific quality management systems – Requirements for product and service supply organizations – Amendment 1: Climate action changes (ISO 29001:2020/Amd 1:2024)	03.100.70; 75.020	rujan 2024.
EN ISO 34101-1/A1	Sustainable and traceable cocoa – Part 1: Requirements for cocoa sustainability management systems – Amendment 1: Climate action changes (ISO 34101-1:2019/Amd 1:2024)	03.100.70; 67.140.30	rujan 2024.
EN ISO 37101/A1	Sustainable development in communities – Management system for sustainable development – Requirements with guidance for use – Amendment 1: Climate action changes (ISO 37101:2016/Amd 1:2024)	03.100.70; 13.020.20	rujan 2024.
EN ISO 41001/A1	Facility management – Management systems – Requirements with guidance for use – Amendment 1: Climate action changes (ISO 41001:2018/Amd 1:2024)	03.080.10; 03.100.70	rujan 2024.
EN ISO 45001/A1	Occupational health and safety management systems – Requirements with guidance for use – Amendment 1: Climate action changes (ISO 45001:2018/Amd 1:2024)	03.100.70; 13.100	rujan 2024.
EN ISO 50001/A1	Energy management systems – Requirements with guidance for use – Amendment 1: Climate action changes (ISO 50001:2018/Amd 1:2024)	03.100.70; 27.015	rujan 2024.

Oznaka norme	Naslov norme	ICS	Datum objave
EN ISO 56001	Innovation management system – Requirements (ISO 56001:2024)	03.100.01; 03.100.40; 03.100.70	rujan 2024.
CEN ISO/TS 80004-13	Nanotechnologies – Vocabulary – Part 13: Graphene and other two-dimensional (2D) materials (ISO/TS 80004-13:2024)	7.120	rujan 2024.
EN ISO 80601-2-79	Medical electrical equipment – Part 2-79: Particular requirements for basic safety and essential performance of ventilatory support equipment for ventilatory impairment (ISO 80601-2-79:2024)	11.040.10	rujan 2024.
EN ISO 80601-2-80	Medical electrical equipment – Part 2-80: Particular requirements for basic safety and essential performance of ventilatory support equipment for ventilatory insufficiency (ISO 80601-2-80:2024)	11.040.10	rujan 2024.

## Europska normizacija (CENELEC)

Oznaka norme	Naslov norme	ICS	Datum objave
CEN/TR 18104	Space – SBAS receivers performances for maritime applications – MARESS Test report	47.020.70	rujan 2024.
EN 50365/AC	Live Working – Electrically insulating helmets for use on low and medium voltage installations	13.260; 13.340.20	rujan 2024.
EN 50522/A1	Earthing of power installations exceeding 1 kV a.c.	29.120.50	rujan 2024.
EN 50620/A2	Electric cables – Charging cables for electric vehicles	29.060.20	rujan 2024.
EN IEC 60127-8/A1	Miniature fuses – Part 8: Fuse resistors with particular overcurrent protection (IEC 60127-8:2018/AMD1:2024)	29.120.50	rujan 2024.
EN 60216-2/AC	Electrical insulating materials – Thermal endurance properties – Part 2: Determination of thermal endurance properties of electrical insulating materials – Choice of test criteria (IEC 60216-2:2005/COR1:2024)	17.220.99; 29.035.01	rujan 2024.
EN IEC 60300-3-14	Dependability management – Part 3-14: Application guide – Supportability and support (IEC 60300-3-14:2024)	03.100.40; 03.120.01; 29.020; 31.020; 33.020; 35.020	rujan 2024.
EN IEC 60384-8	Fixed capacitors for use in electronic equipment – Part 8: Sectional specification – Fixed capacitors of ceramic dielectric, Class 1 (IEC 60384-8:2024)	31.060.20	rujan 2024.
EN IEC 60384-9	Fixed capacitors for use in electronic equipment – Part 9: Sectional specification – Fixed capacitors of ceramic dielectric, Class 2 (IEC 60384-9:2024)	31.060.20	rujan 2024.
EN 60400/A2	Lampholders for tubular fluorescent lamps and starterholders (IEC 60400:2017/AMD2:2022)	29.140.10	rujan 2024.
EN IEC 60601-2-2/A1	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 60601-2-2:2017/AMD1:2023)	11.040.30	rujan 2024.
EN 60601-2-3/A2	Medical electrical equipment – Part 2-3: Particular requirements for the basic safety and essential performance of short-wave therapy equipment (IEC 60601-2-3:2012/AMD2:2022)	11.040.60	rujan 2024.
EN 60601-2-6/A2	Medical electrical equipment – Part 2-6: Particular requirements for the basic safety and essential performance of microwave therapy equipment (IEC 60601-2-6:2012/AMD2:2022)	11.040.60	rujan 2024.
EN 60601-2-10/A2	Medical electrical equipment – Part 2-10: Particular requirements for the basic safety and essential performance of nerve and muscle stimulators (IEC 60601-2-10:2012/AMD2:2023)	11.040.60	rujan 2024.
EN IEC 60601-2-33	Medical electrical equipment – Part 2-33: Particular requirements for the basic safety and essential performance of magnetic resonance equipment for medical diagnosis (IEC 60601-2-33:2022)	11.040.55	rujan 2024.
EN 60601-2-45/A2	Medical electrical equipment – Part 2-45: Particular requirements for the basic safety and essential performance of mammographic X-ray equipment and mammographic stereotactic devices (IEC 60601-2-45:2011/A2:2022)	11.040.50	rujan 2024.
EN IEC 60601-2-46	Medical electrical equipment – Part 2-46: Particular requirements for the basic safety and essential performance of operating tables (IEC 60601-2-46:2023)	11.140	rujan 2024.
EN IEC 60601-2-54	Medical electrical equipment – Part 2-54: Particular requirements for the basic safety and essential performance of X-ray equipment for radiography and radioscopy (IEC 60601-2-54:2022)	11.040.50	rujan 2024.
EN IEC 60601-2-75/A1	Medical electrical equipment – Part 2-75: Particular requirements for the basic safety and essential performance of photodynamic therapy and photodynamic diagnosis equipment (IEC 60601-2-75:2017/AMD1:2023)	11.040.01; 11.040.55; 11.040.60	rujan 2024.
EN IEC 61000-2-4	Electromagnetic compatibility (EMC) – Part 2-4: Environment – Compatibility levels in power distribution systems in industrial locations for low-frequency conducted disturbances (IEC 61000-2-4:2024)	33.100.01; 33.100.10; 33.100.20	rujan 2024.

Oznaka norme	Naslov norme	ICS	Datum objave
EN IEC 61084-1	Cable trunking systems and cable ducting systems for electrical installations – Part 1: General requirements (IEC 61084-1:2017)	29.060.01; 29.120.01; 29.120.10	rujan 2024.
EN IEC 61084-1/A11	Cable trunking systems and cable ducting systems for electrical installations – Part 1: General requirements	29.060.01; 29.120.01; 29.120.10	rujan 2024.
EN IEC 61084-2-1	Cable trunking systems and cable ducting systems for electrical installations – Part 2-1: Particular requirements – Cable trunking systems and cable ducting systems intended for mounting on walls and ceilings	29.060.01; 29.120.10	rujan 2024.
EN IEC 61084-2-1/A11	Cable trunking systems and cable ducting systems for electrical installations – Part 2-1: Particular requirements – Cable trunking systems and cable ducting systems intended for mounting on walls and ceilings	29.060.01; 29.120.10	rujan 2024.
EN IEC 61084-2-2	Cable trunking systems and cable ducting systems for electrical installations – Part 2-2: Particular requirements – Cable trunking systems and cable ducting systems intended for mounting underfloor, flushfloor, or onfloor (IEC 61084-2-2:2017)	29.060.01; 29.120.10	rujan 2024.
EN IEC 61084-2-2/A11	Cable trunking systems and cable ducting systems for electrical installations – Part 2-2: Particular requirements – Cable trunking systems and cable ducting systems intended for mounting underfloor, flushfloor, or onfloor	29.060.01; 29.120.10	rujan 2024.
EN IEC 61084-2-3	Cable trunking systems and cable ducting systems for electrical installations – Part 2-3: Particular requirements – Slotted cable trunking systems intended for installation in cabinets (IEC 61084-2-3:2017)	29.060.01; 29.120.10	rujan 2024.
EN IEC 61084-2-3/A11	Cable trunking systems and cable ducting systems for electrical installations – Part 2-3: Particular requirements – Slotted cable trunking systems intended for installation in cabinets	29.060.01; 29.120.10	rujan 2024.
EN IEC 61084-2-4	Cable trunking systems and cable ducting systems for electrical installations – Part 2-4: Particular requirements – Service poles and service posts (IEC 61084-2-4:2017)	29.060.01; 29.120.10	rujan 2024.
EN IEC 61084-2-4/A11	Cable trunking systems and cable ducting systems for electrical installations – Part 2-4: Particular requirements – Service poles and service posts	29.060.01; 29.120.10	rujan 2024.
EN IEC 61280-2-13	Fibre optic communication subsystem test procedures – Part 2-13: Digital systems – Measurement of error vector magnitude (IEC 61280-2-13:2024)	33.180.01; 33.180.10	rujan 2024.
EN 61786-1/A1	Measurement of DC magnetic, AC magnetic and AC electric fields from 1 Hz to 100 kHz with regard to exposure of human beings – Part 1: Requirements for measuring instruments (IEC 61786-1:2013/AMD1:2024)	17.220.20	rujan 2024.
EN IEC 61960-4	Secondary cells and batteries containing alkaline or other non- acid electrolytes – Secondary lithium cells and batteries for portable applications – Part 4: Coin secondary lithium cells, and batteries made from them (IEC 61960-4:2024)	29.220.30; 29.220.99	rujan 2024.
EN IEC 61968-9	Enterprise business function interfaces for utility operations – Part 9: Interfaces for meter reading and control (IEC 61968-9:2024)	33.200; 35.240.99; 91.140.50	rujan 2024.
EN IEC 62271-100/A1	High-voltage switchgear and controlgear – Part 100: Alternating-current circuit-breakers (IEC 62271-100:2021/AMD1:2024)	29.130.10	rujan 2024.
EN IEC 62381	Automation systems in the process industry – Factory acceptance test (FAT), site acceptance test (SAT), and site integration test (SIT) (IEC 62381:2024)	25.040.40; 35.240.50	rujan 2024.
EN IEC 62382	Control systems in the process industry – Electrical and instrumentation loop check (IEC 62382:2024)	03.080.99; 25.040.40; 71.120.01	rujan 2024.
EN IEC 62443-2-1	Security for industrial automation and control systems – Part 2-1: Security program requirements for IACS asset owners (IEC 62443-2-1:2024)	25.040.40; 35.030; 35.100.05; 35.240.50	rujan 2024.
EN IEC 62676-5-1	Video surveillance systems for use in security applications – Part 5-1: Data specifications and image quality performance for camera devices – Environmental test methods for image quality performance (IEC 62676-5-1:2024)	13.310; 13.320	rujan 2024.

Oznaka norme	Naslov norme	ICS	Datum objave
EN IEC 62841-2-7	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 2-7: Particular requirements for hand-held spray guns (IEC 62841-2-7:2024)	25.140.20; 87.100	rujan 2024.
EN IEC 62841-2-7/A11	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 2-7: Particular requirements for hand-held spray guns	25.140.20; 87.100	rujan 2024.
EN IEC 62933-5-1	Electrical energy storage (EES) systems – Part 5-1: Safety considerations for grid-integrated EES systems – General specification (IEC 62933-5-1:2024)	13.020.30; 27.010	rujan 2024.
EN IEC 63082-2	Intelligent device management – Part 2: Requirements and recommendations (IEC 63082-2:2024)	25.040.01; 25.040.40; 35.240.50	rujan 2024.
EN IEC 63303	Human machine interfaces for process automation systems (IEC 63303:2024)	13.180; 25.040.40; 35.240.50	rujan 2024.
EN IEC 63412-1	Ultrasonics – Shear-wave elastography – Part 1: Specifications for the user interface (IEC 63412-1:2024)	11.040.55; 17.140.50	rujan 2024.
EN IEC 80601-2-58	Medical electrical equipment – Part 2-58: Particular requirements for the basic safety and essential performance of lens removal devices and vitrectomy devices for ophthalmic surgery (IEC 80601-2-58:2024)	11.040.70	rujan 2024.
EN IEC 80601-2-78/A1	Medical electrical equipment – Part 2-78: Particular requirements for basic safety and essential performance of medical robots for rehabilitation, assessment, compensation or alleviation (IEC 80601-2-78:2019/AMD1:2024)	11.040.01; 11.040.60	rujan 2024.
CEN/CLC ISO/IEC/TS 23532-1	Information security, cybersecurity and privacy protection – Requirements for the competence of IT security testing and evaluation laboratories – Part 1: Evaluation for ISO/IEC 15408 (ISO/IEC/TS 23532-1:2021)	35.030	rujan 2024.
CEN/CLC ISO/IEC/TS 23532-2	Information security, cybersecurity and privacy protection – Requirements for the competence of IT security testing and evaluation laboratories – Part 2: Testing for ISO/IEC 19790 (ISO/IEC/TS 23532-2:2021)	35.030	rujan 2024.
EN ISO/IEC 27001/A1	Information security, cybersecurity and privacy protection – Information security management systems – Requirements – Amendment 1: Climate action changes (ISO/IEC 27001:2022/Amd 1:2024)	03.100.70; 35.030	rujan 2024.
EN ISO 50001/A1	Energy management systems – Requirements with guidance for use – Amendment 1: Climate action changes (ISO 50001:2018/Amd 1:2024)	03.100.70; 27.015	rujan 2024.



## Europska normizacija (ETSI)

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 102671 V 18.1.0	Secure Elements – Additional UICC form factors and environmental conditions – Physical and logical characteristics (Release 18)	35.240.15	rujan 2024.
ETSI TS 103410-8 V 2.1.1	SmartM2M – Extension to SAREF – Part 8: eHealth/Ageing-well Domain	33.200	rujan 2024.
ETSI TS 103525-1 V 2.1.1	Intelligent Transport Systems (ITS) – Testing – Conformance test specifications for ITS PKI management – Part 1: Protocol Implementation Conformance Statement (PICS) – Release 2	35.240.60	rujan 2024.
ETSI TS 103525-2 V 2.1.1	Intelligent Transport Systems (ITS) – Testing – Conformance test specifications for ITS PKI management – Part 2: Test Suite Structure and Test Purposes (TSS & TP) – Release 2	35.240.60	rujan 2024.
ETSI TS 103525-3 V 2.1.1	Intelligent Transport Systems (ITS) – Testing – Conformance test specifications for ITS PKI management – Part 3: Abstract Test Suite (ATS) and Protocol Implementation eXtra Information for Testing (PIXIT) – Release 2	35.240.60	rujan 2024.
ETSI TS 103666-2 V 16.0.0	Smart Secure Platform (SSP) – Part 2: Integrated SSP (iSSP) characteristics (Release 16)	35.240.15	rujan 2024.
ETSI TS 103666-2 V 17.0.0	Smart Secure Platform (SSP) – Part 2: Integrated SSP (iSSP) characteristics (Release 17)	35.240.15	rujan 2024.
ETSI TS 103770 V 1.2.1	Digital Video Broadcasting (DVB) – Service Discovery and Programme Metadata for DVB-I	33.170	rujan 2024.
ETSI TS 103786 V 1.3.1	Environmental Engineering (EE) – Measurement method for energy efficiency of wireless access network equipment – Dynamic energy efficiency measurement method of 5G Base Station (BS)	33.040.01	rujan 2024.
ETSI TR 103847 V 1.1.1	SmartM2M – Digital Twins communication support in oneM2M	33.200	rujan 2024.
ETSI TR 103865 V 1.1.1	Rail Telecommunications (RT) – Future Railway Mobile Communication System (FRMCS) – Radio performance aspects	33.070.50	rujan 2024.
ETSI TS 103874-2 V 1.1.1	DECT-2020 New Radio (NR) – Access Profile Part 2 – Smart Metering, City and Buildings	33.070.30	rujan 2024.
ETSI TS 103876 V 1.1.1	Digital Video Broadcasting (DVB) – Native IP Broadcasting	33.170	rujan 2024.
ETSI TR 103948 V 1.1.1	Wireline Access Network Systems – General engineering for existing network reuse – Implementation of IP equipment on existing coaxial networks	33.060.40	rujan 2024.
ETSI TR 103957 V 1.1.1	Cyber Security (CYBER) – Metaverse Cyber Security Analysis	33.040.99; 35.030	rujan 2024.
ETSI TR 104003 V 1.1.1	Cyber Security (CYBER) – The vulnerability disclosure ecosystem	33.040.99; 35.030	rujan 2024.
ETSI TR 104004 V 1.1.1	Environmental Engineering (EE) – Processor power management functionality of servers	33.040.01	rujan 2024.
ETSI TS 104089 V 1.1.1	Digital Audio Broadcasting (DAB) – Emergency Warning System (EWS) – Definition and rules of behaviour	33.170	rujan 2024.
ETSI TS 104090 V 1.1.1	Digital Audio Broadcasting (DAB) – Emergency Warning System (EWS) – Minimum requirements and test specifications for receivers	33.170	rujan 2024.
ETSI ES 202706-1 V 1.8.1	Environmental Engineering (EE) – Metrics and measurement method for energy efficiency of wireless access network equipment – Part 1: Power consumption – static measurement method	33.040.01	rujan 2024.
ETSI GR CIM 048 V 1.1.1	Context Information Management (CIM) – Handling of data catalogues and data services with NGSI-LD	35.080; 35.240.01	rujan 2024.
ETSI GS NFV-IFA 027 V 5.2.1	Network Functions Virtualisation (NFV) Release 5 – Management and Orchestration – Performance Measurements Specification	35.110	rujan 2024.
EN 300019-2-7 V 3.1.1	Environmental Engineering (EE) – Environmental conditions and environmental tests for telecommunications equipment – Part 2: Specification of environmental tests – Sub-part 7: Portable and non-stationary use	33.040.01	rujan 2024.
EN 303645 V 3.1.3	CYBER – Cyber Security for Consumer Internet of Things: Baseline Requirements	35.030; 35.240.95	rujan 2024.

## Međunarodna normizacija (ISO)

Oznaka norme	Naslov norme	ICS	Datum objave
IEC 80601-2-49 AMD 1	Medical electrical equipment – Part 2-49: Particular requirements for the basic safety and essential performance of multifunction patient monitors; Amendment 1	11.040.55	rujan 2024.
IEC 80601-2-49 Edition 1.1	Medical electrical equipment – Part 2-49: Particular requirements for the basic safety and essential performance of multifunction patient monitors	11.040.55	rujan 2024.
ISO 544	Welding consumables – Technical delivery conditions for filler materials and fluxes – Type of product, dimensions, tolerances and markings	25.160.20	rujan 2024.
ISO 636	Welding consumables – Rods, wires and deposits for tungsten inert gas welding of non-alloy and fine-grain steels – Classification	25.160.20	rujan 2024.
ISO 712-1	Cereals and cereal products – Determination of moisture content – Part 1: Reference method	67.060	rujan 2024.
ISO 712-2	Cereals and cereal products – Determination of moisture content – Part 2: Automatic drying oven method	67.060	rujan 2024.
ISO 830	Freight containers – Vocabulary	01.040.55; 55.180.10	rujan 2024.
ISO 1206 AMD 1	Rolling bearings – Needle roller bearings with machined rings – Boundary dimensions, geometrical product specifications (GPS) and tolerance values – Amendment 1	21.100.20	rujan 2024.
ISO 2411	Rubber- or plastics-coated fabrics – Determination of coating adhesion	59.080.40	rujan 2024.
ISO 2884-1	Paints and varnishes – Determination of viscosity using rotational viscometers – Part 1: Absolute viscosity measurement with cone-plate measuring geometry at high shear rates	87.040	rujan 2024.
ISO 3643	Rolling bearings – Ceramic rolling elements – Terms and characteristics of surface imperfections	21.100.20	rujan 2024.
ISO 3987	Petroleum products – Determination of sulfated ash in lubricating oils and additives and fatty acid methyl esters	75.100	rujan 2024.
ISO 4240-2	Fine bubble technology – Environmental applications – Part 2: Test method for evaluating aeration performance of fine bubble jet devices	7.030	rujan 2024.
ISO 4266-5	Petroleum and liquid petroleum products – Measurement of level and temperature in storage tanks by automatic methods – Part 5: Measurement of temperature in marine vessels	75.180.30	rujan 2024.
ISO 4764	Plastics – Polyols for use in the production of polyurethanes – Determination of degree of unsaturation by using iodine method	83.080.10	rujan 2024.
ISO 4931-1	Buildings and civil engineering works – Principles, framework and guidance for resilience design – Part 1: Adaptation to climate change	91.040.01; 93.010	rujan 2024.
ISO/IEC 4944	Information technology – User interfaces – Evaluating usability of natural user interfaces	13.180; 35.180	rujan 2024.
ISO/TS 5384	Health informatics – Categorial structure and data elements for the identification and exchange of immunization data	35.240.80	rujan 2024.
ISO 5463	Geometrical product specifications (GPS) – Rotary axis form-measuring instruments – Design and metrological characteristics	17.040.30; 17.040.40	rujan 2024.
ISO/TS 5733	Plastics – Test method of exposure to white LED lamps	83.080.01	rujan 2024.
ISO/TS 6253	Requirements and recommendations for training programmes in community interpreting	3.180	rujan 2024.
ISO 6325	Ships and marine technology – Cable stoppers	47.020.50	rujan 2024.
ISO 6608-1	Active and intelligent packaging – Part 1: General requirements and specifications of active packaging	55.020	rujan 2024.
ISO 6729	Petroleum products and other liquids – Standard test method for ethanol determination in gasoline blends by gas chromatography	75.160.40	rujan 2024.
ISO 7199	Cardiovascular implants and artificial organs – Blood-gas exchangers (oxygenators)	11.040.40	rujan 2024.
ISO 7287 AMD 1	Graphical symbols for thermal cutting equipment – Amendment 1	01.080.20; 25.160.30	rujan 2024.

Oznaka norme	Naslov norme	ICS	Datum objave
ISO 7447	Underwater acoustics – Measurement of radiated underwater sound from percussive pile driving – In situ determination of the insertion loss of barrier control measures underwater	17.140.20	rujan 2024.
ISO 7544	Rolling bearings – Test and assessment methods for cleanliness	21.100.20	rujan 2024.
ISO 7615-1	Energy performance of building systems – Underfloor air distribution systems – Part 1: General overview	91.120.10	rujan 2024.
ISO 8504-5	Preparation of steel substrates before application of paints and related products – Surface preparation methods – Part 5: Water jet cleaning	25.220.10	rujan 2024.
ISO/IEC 8506	Information technology – Automatic identification and data capture technology – AIDC application in industrial construction	35.040.50; 35.240.67	rujan 2024.
ISO 8536-13	Infusion equipment for medical use – Part 13: Graduated flow regulators for single use with fluid contact	11.040.20	rujan 2024.
ISO 8636-2	Machine tools – Test conditions for bridge-type milling machines – Part 2: Testing of the accuracy of travelling bridge (gantry-type) machines	25.080.20	rujan 2024.
ISO 8690	Measurement of radioactivity – Gamma ray and beta emitting radionuclides – Test method to assess the ease of decontamination of surface materials	13.280	rujan 2024.
ISO 8838	Plain bearings – Water-lubricated plain bearing materials	21.100.10	rujan 2024.
ISO 8858-2	Coal – Froth flotation testing – Part 2: Sequential evaluation	73.040	rujan 2024.
ISO 9013 AMD 1	Thermal cutting – Classification of thermal cuts – Geometrical product specification and quality tolerances – Amendment 1	25.160.10	rujan 2024.
ISO 9658	Steel – Determination of aluminium content – Flame atomic absorption spectrometric method	77.080.20	rujan 2024.
ISO 9773	Plastics – Determination of burning behaviour of thin flexible vertical specimens in contact with a small flame ignition source	13.220.40; 83.080.01	rujan 2024.
ISO 9815	Road vehicles – Passenger-car and trailer combinations – Lateral stability test	43.100	rujan 2024.
ISO/IEC 10192-4-2	Information technology – Home electronic system (HES) interfaces – Part 4-2: Common user interface and cluster-to-cluster interface to support interworking among home cluster systems – Interfaces, services and objects	35.200; 97.120	rujan 2024.
ISO/TR 10300-30	Calculation of load capacity of bevel gears – Part 30: ISO rating system for bevel and hypoid gears – Sample calculations	21.200	rujan 2024.
ISO 10303-42	Industrial automation systems and integration – Product data representation and exchange – Part 42: Integrated generic resource: Geometric and topological representation	25.040.40; 35.240.50	rujan 2024.
ISO 10303-46	Industrial automation systems and integration – Product data representation and exchange – Part 46: Integrated generic resource: Visual presentation	25.040.40; 35.240.50	rujan 2024.
ISO 10303-47	Industrial automation systems and integration – Product data representation and exchange – Part 47: Integrated generic resource: Shape variation tolerances	25.040.40; 35.240.50	rujan 2024.
ISO/TS 10303-400	Industrial automation systems and integration – Product data representation and exchange – Part 400: Reference schema for SysML mapping	35.240.50	rujan 2024.
ISO/TS 10303-439	Industrial automation systems and integration – Product data representation and exchange – Part 439: Application module: AP239 product life cycle support	35.240.50	rujan 2024.
ISO/TS 10303-442	Industrial automation systems and integration – Product data representation and exchange – Part 442: Application module: AP242 managed model based 3D engineering	35.240.50	rujan 2024.
ISO/TS 10303-1001	Industrial automation systems and integration – Product data representation and exchange – Part 1001: Application module: Appearance assignment	35.240.50	rujan 2024.

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ISO/TS 10303-1004	Industrial automation systems and integration – Product data representation and exchange – Part 1004: Application module: Elemental geometric shape	35.240.50	rujan 2024.
ISO/TS 10303-1011	Industrial automation systems and integration – Product data representation and exchange – Part 1011: Application module: Person organization	35.240.50	rujan 2024.
ISO/TS 10303-1012	Industrial automation systems and integration – Product data representation and exchange – Part 1012: Application module: Approval	35.240.50	rujan 2024.
ISO/TS 10303-1013	Industrial automation systems and integration – Product data representation and exchange – Part 1013: Application module: Person organization assignment	35.240.50	rujan 2024.
ISO/TS 10303-1019	Industrial automation systems and integration – Product data representation and exchange – Part 1019: Application module: Product view definition	25.040.40; 35.240.50	rujan 2024.
ISO/TS 10303-1030	Industrial automation systems and integration – Product data representation and exchange – Part 1030: Application module: Property assignment	25.040.40	rujan 2024.
ISO/TS 10303-1032	Industrial automation systems and integration – Product data representation and exchange – Part 1032: Application module: Shape property assignment	25.040.40; 35.240.50	rujan 2024.
ISO/TS 10303-1050	Industrial automation systems and integration – Product data representation and exchange – Part 1050: Application module: Dimension tolerance	25.040.40	rujan 2024.
ISO/TS 10303-1051	Industrial automation systems and integration – Product data representation and exchange – Part 1051: Application module: Geometric tolerance	25.040.40	rujan 2024.
ISO/TS 10303-1068	Industrial automation systems and integration – Product data representation and exchange – Part 1068: Application module: Constructive solid geometry 3D	35.240.50	rujan 2024.
ISO/TS 10303-1109	Industrial automation systems and integration – Product data representation and exchange – Part 1109: Application module: Alternative solution	25.040.40	rujan 2024.
ISO/TS 10303-1110	Industrial automation systems and integration – Product data representation and exchange – Part 1110: Application module: Surface conditions	25.040.40	rujan 2024.
ISO/TS 10303-1111	Industrial automation systems and integration – Product data representation and exchange – Part 1111: Application module: Classification with attributes	25.040.40; 35.240.50	rujan 2024.
ISO/TS 10303-1112	Industrial automation systems and integration – Product data representation and exchange – Part 1112: Application module: Specification control	25.040.40	rujan 2024.
ISO/TS 10303-1127	Industrial automation systems and integration – Product data representation and exchange – Part 1127: Application module: File identification	25.040.40	rujan 2024.
ISO/TS 10303-1130	Industrial automation systems and integration – Product data representation and exchange – Part 1130: Application module: Derived shape element	25.040.40	rujan 2024.
ISO/TS 10303-1131	Industrial automation systems and integration – Product data representation and exchange – Part 1131: Application module: Construction geometry	25.040.40	rujan 2024.
ISO/TS 10303-1206	Industrial automation systems and integration – Product data representation and exchange – Part 1206: Application module: Draughting annotation	35.240.50	rujan 2024.
ISO/TS 10303-1231	Industrial automation systems and integration – Product data representation and exchange – Part 1231: Application module: Product data management	25.040.40	rujan 2024.
ISO/TS 10303-1251	Industrial automation systems and integration – Product data representation and exchange – Part 1251: Application module: Interface	25.040.40; 35.240.50	rujan 2024.
ISO/TS 10303-1254	Industrial automation systems and integration – Product data representation and exchange – Part 1254: Application module: Condition evaluation	25.040.40; 35.240.50	rujan 2024.

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ISO/TS 10303-1255	Industrial automation systems and integration – Product data representation and exchange – Part 1255: Application module: State definition	25.040.40	rujan 2024.
ISO/TS 10303-1256	Industrial automation systems and integration – Product data representation and exchange – Part 1256: Application module: State observed	25.040.40; 35.240.50	rujan 2024.
ISO/TS 10303-1265	Industrial automation systems and integration – Product data representation and exchange – Part 1265: Application module: Envelope	25.040.40; 35.240.50	rujan 2024.
ISO/TS 10303-1276	Industrial automation systems and integration – Product data representation and exchange – Part 1276: Application module: Location	25.040.40; 35.240.50	rujan 2024.
ISO/TS 10303-1289	Industrial automation systems and integration – Product data representation and exchange – Part 1289: Application module: AP239 management resource information	35.240.50	rujan 2024.
ISO/TS 10303-1292	Industrial automation systems and integration – Product data representation and exchange – Part 1292: Application module: AP239 product definition information	25.040.40; 35.240.50	rujan 2024.
ISO/TS 10303-1293	Industrial automation systems and integration – Product data representation and exchange – Part 1293: Application module: AP239 part definition information	25.040.40; 35.240.50	rujan 2024.
ISO/TS 10303-1297	Industrial automation systems and integration – Product data representation and exchange – Part 1297: Application module: AP239 document management	25.040.40; 35.240.50	rujan 2024.
ISO/TS 10303-1307	Industrial automation systems and integration – Product data representation and exchange – Part 1307: Application module: AP239 work definition	25.040.40; 35.240.50	rujan 2024.
ISO/TS 10303-1310	Industrial automation systems and integration – Product data representation and exchange – Part 1310: Application module: Draughting element	25.040.40	rujan 2024.
ISO/TS 10303-1311	Industrial automation systems and integration – Product data representation and exchange – Part 1311: Application module: Associative draughting elements	25.040.40	rujan 2024.
ISO/TS 10303-1315	Industrial automation systems and integration – Product data representation and exchange – Part 1315: Application module: Mechanical design presentation representation with draughting	25.040.40	rujan 2024.
ISO/TS 10303-1323	Industrial automation systems and integration – Product data representation and exchange – Part 1323: Application module: Basic geometric topology	25.040.40	rujan 2024.
ISO/TS 10303-1324	Industrial automation systems and integration – Product data representation and exchange – Part 1324: Application module: Non manifold surface	35.240.50	rujan 2024.
ISO/TS 10303-1329	Industrial automation systems and integration – Product data representation and exchange – Part 1329: Application module: Elementary boundary representation	35.240.50	rujan 2024.
ISO/TS 10303-1348	Industrial automation systems and integration – Product data representation and exchange – Part 1348: Application module: Requirement management	25.040.40; 35.240.50	rujan 2024.
ISO/TS 10303-1362	Industrial automation systems and integration – Product data representation and exchange – Part 1362: Application module: Dimension and tolerance callouts	25.040.40	rujan 2024.
ISO/TS 10303-1467	Industrial automation systems and integration – Product data representation and exchange – Part 1467: Application module: Risk management	25.040.40; 35.240.50	rujan 2024.
ISO/TS 10303-1503	Industrial automation systems and integration – Product data representation and exchange – Part 1503: Application module: Tessellated manifold surface shape representation	35.240.50	rujan 2024.
ISO/TS 10303-1504	Industrial automation systems and integration – Product data representation and exchange – Part 1504: Application module: Tessellated manifold subsurface shape representation	35.240.50	rujan 2024.
ISO/TS 10303-1509	Industrial automation systems and integration – Product data representation and exchange – Part 1509: Application module: Manifold surface	25.040.40	rujan 2024.

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ISO/TS 10303-1511	Industrial automation systems and integration – Product data representation and exchange – Part 1511: Application module: Topologically bounded surface	35.240.50	rujan 2024.
ISO/TS 10303-1512	Industrial automation systems and integration – Product data representation and exchange – Part 1512: Application module: Faceted boundary representation	25.040.40; 35.240.50	rujan 2024.
ISO/TS 10303-1513	Industrial automation systems and integration – Product data representation and exchange – Part 1513: Hybrid boundary representation	35.240.50	rujan 2024.
ISO/TS 10303-1514	Industrial automation systems and integration – Product data representation and exchange – Part 1514: Application module: Advanced boundary representation	25.040.40	rujan 2024.
ISO/TS 10303-1515	Industrial automation systems and integration – Product data representation and exchange – Part 1515: Tessellated boundary representation	35.240.50	rujan 2024.
ISO/TS 10303-1601	Industrial automation systems and integration – Product data representation and exchange – Part 1601: Application module: Altered package	25.040.40	rujan 2024.
ISO/TS 10303-1634	Industrial automation systems and integration – Product data representation and exchange – Part 1634: Application module: Assembly component placement requirements	25.040.40	rujan 2024.
ISO/TS 10303-1643	Industrial automation systems and integration – Product data representation and exchange – Part 1643: Application module: Assembly module with interconnect component	25.040.40	rujan 2024.
ISO/TS 10303-1651	Industrial automation systems and integration – Product data representation and exchange – Part 1651: Application module: Basic curve	35.240.50	rujan 2024.
ISO/TS 10303-1660	Industrial automation systems and integration – Product data representation and exchange – Part 1660: Application module: Datum difference based model	25.040.40	rujan 2024.
ISO/TS 10303-1702	Industrial automation systems and integration – Product data representation and exchange – Part 1702: Application module: Manifold subsurface	25.040.40	rujan 2024.
ISO/TS 10303-1707	Industrial automation systems and integration – Product data representation and exchange – Part 1707: Application module: Package	25.040.40	rujan 2024.
ISO/TS 10303-1721	Industrial automation systems and integration – Product data representation and exchange – Part 1721: Application module: Physical component feature	25.040.40	rujan 2024.
ISO/TS 10303-1725	Industrial automation systems and integration – Product data representation and exchange – Part 1725: Application module: Physical unit 3D design view	25.040.40	rujan 2024.
ISO/TS 10303-1739	Industrial automation systems and integration – Product data representation and exchange – Part 1739: Application module: Production rule	25.040.40	rujan 2024.
ISO/TS 10303-1765	Industrial automation systems and integration – Product data representation and exchange – Part 1765: Application module: Characterizable object	25.040.40	rujan 2024.
ISO/TS 10303-1804	Industrial automation systems and integration – Product data representation and exchange – Part 1804: Application module: Product as individual assembly and test	25.040.40; 35.240.50	rujan 2024.
ISO/TS 10303-1806	Industrial automation systems and integration – Product data representation and exchange – Part 1806: Application module: Form feature in panel	25.040.40	rujan 2024.
ISO/TS 10303-1808	Industrial automation systems and integration – Product data representation and exchange – Part 1808: Application module: Assembly shape	25.040.40	rujan 2024.
ISO/TS 10303-1811	Industrial automation systems and integration – Product data representation and exchange – Part 1811: Application module: Product and manufacturing information with nominal 3D models	25.040.40	rujan 2024.

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ISO/TS 10303-1816	Industrial automation systems and integration – Product data representation and exchange – Part 1816: Application module: Model based 3D geometrical dimensioning and tolerancing representation	25.040.40	rujan 2024.
ISO/TS 10303-1827	Industrial automation systems and integration – Product data representation and exchange – Part 1827: Application module: Extruded structure cross section	25.040.40	rujan 2024.
ISO/TS 10303-1828	Industrial automation systems and integration – Product data representation and exchange – Part 1828: Application module: Wiring harness assembly design	25.040.40	rujan 2024.
ISO/TS 10303-1830	Industrial automation systems and integration – Product data representation and exchange – Part 1830: Application module: Edge based topological representation with length constraint	25.040.40	rujan 2024.
ISO/TS 10303-1844	Industrial automation systems and integration – Product data representation and exchange – Part 1844: Application module: General design connectivity	25.040.40	rujan 2024.
ISO/TS 10303-1845	Industrial automation systems and integration – Product data representation and exchange – Part 1845: Application module: Wire and cable design connectivity	25.040.40	rujan 2024.
ISO/TS 10303-1846	Industrial automation systems and integration – Product data representation and exchange – Part 1846: Application module: Mechanical design features and requirements	25.040.40	rujan 2024.
ISO/TS 10303-1848	Industrial automation systems and integration – Product data representation and exchange – Part 1848: Application module: Annotated 3d model data quality criteria	35.240.50	rujan 2024.
ISO/TS 10303-1849	Industrial automation systems and integration – Product data representation and exchange – Part 1849: Application module: Annotated 3d model data quality inspection result	35.240.50	rujan 2024.
ISO/TS 10303-1850	Industrial automation systems and integration – Product data representation and exchange – Part 1850: Application module: Triangulated shape data quality	35.240.50	rujan 2024.
ISO/TS 10303-1851	Industrial automation systems and integration – Product data representation and exchange – Part 1851: Application module: PMI data quality	35.240.50	rujan 2024.
ISO/TS 10303-1853	Industrial automation systems and integration – Product data representation and exchange – Part 1853: Datum and datum systems	35.240.50	rujan 2024.
ISO/TS 10303-1854	Industrial automation systems and integration – Product data representation and exchange – Part 1854: Line length area indicator assignment	35.240.50	rujan 2024.
ISO/TS 10303-4000	Industrial automation systems and integration – Product data representation and exchange – Part 4000: Core model	25.040.40; 35.240.50	rujan 2024.
ISO/TS 10303-4439	Industrial automation systems and integration – Product data representation and exchange – Part 4439: Application domain model: Product life cycle support	25.040.40	rujan 2024.
ISO/TS 10303-4442	Industrial automation systems and integration – Product data representation and exchange – Part 4442: Domain model: Managed model based 3D engineering domain	25.040.40	rujan 2024.
ISO 10426-5	Oil and gas industries including lower carbon energy – Cements and materials for well cementing – Part 5: Determination of shrinkage and expansion of well cement formulations	75.020; 91.100.10	rujan 2024.
ISO/IEEE 11073-10425	Health informatics – Device interoperability – Part 10425: Personal health device communication – Device specialization – Continuous Glucose Monitor (CGM)	35.240.80	rujan 2024.
ISO/IEEE 11073-10471	Health informatics – Device interoperability – Part 10471: Personal health device communication – Device specialization – Independent living activity hub	35.240.80	rujan 2024.
ISO/IEEE 11073-10472	Health informatics – Device interoperability – Part 10472: Personal health device communication – Device specialization – Medication monitor	35.240.80	rujan 2024.

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ISO/IEEE 11073-10700	Health informatics – Device interoperability – Part 10700: Point-of-care medical device communication – Standard for base requirements for participants in a Service-oriented Device Connectivity (SDC) system	35.240.80	rujan 2024.
ISO/IEEE 11073-10701	Health informatics – Device interoperability – Part 10701: Point-of-care medical device communication – Metric provisioning by participants in a Service-oriented Device Connectivity (SDC) system	35.240.80	rujan 2024.
ISO/IEC 11581-7	Information technology – User interface icons – Part 7: Icons for setting interaction modes	35.240.20	rujan 2024.
ISO 11671	Fibre reinforced plastics – Telescopic ladder – Requirements and test methods	83.120; 97.145	rujan 2024.
ISO 11799	Information and documentation – Document storage requirements for archive and library materials	01.140.20	rujan 2024.
ISO 12141	Stationary source emissions – Determination of low range mass concentration of dust – Manual gravimetric method	13.040.40	rujan 2024.
ISO 12233	Digital cameras – Resolution and spatial frequency responses	37.040.10	rujan 2024.
ISO 13118	Textile – Biaxial tensile properties of woven fabric – Determination of elasticity properties using a cruciform test piece	59.080.30	rujan 2024.
ISO/TS 13329	Nanomaterials – Preparation of safety data sheets (SDS)	07.120; 13.100	rujan 2024.
ISO 13649	Earth-moving machinery – Fire prevention guidance	53.100	rujan 2024.
ISO 14119	Safety of machinery – Interlocking devices associated with guards – Principles for design and selection	13.110	rujan 2024.
ISO 14344	Welding consumables – Procurement of filler materials and fluxes	25.160.20	rujan 2024.
ISO 14404-1	Calculation method of carbon dioxide emission intensity from iron and steel production – Part 1: Steel plant with blast furnace	13.020.40; 77.080.01	rujan 2024.
ISO 14404-2	Calculation method of carbon dioxide emission intensity from iron and steel production – Part 2: Steel plant with electric arc furnace (EAF)	13.020.40; 77.080.01	rujan 2024.
ISO 14404-3	Calculation method of carbon dioxide emission intensity from iron and steel production – Part 3: Steel plant with electric arc furnace (EAF) and coal-based or gas-based direct reduction iron (DRI) facility	13.020.40; 77.080.01	rujan 2024.
ISO 14630	Non-active surgical implants – General requirements	11.040.40	rujan 2024.
ISO/IEC 14776-346	Information technology – Small computer system interface (SCSI) – Part 346: Zoned Block Commands – 2 (ZBC-2)	35.200	rujan 2024.
ISO/IEC 15067-3	Information technology – Home Electronic System (HES) application model – Part 3: Model of an energy management system for HES	35.200; 35.240.99; 97.120	rujan 2024.
ISO 16140-2 AMD 1	Microbiology of the food chain – Method validation – Part 2: Protocol for the validation of alternative (proprietary) methods against a reference method – Amendment 1: Revision of qualitative method comparison study data evaluation, relative level of detection calculations in the interlaboratory study, calculation and interpretation of the relative trueness study, and inclusion of a commercial sterility testing protocol for specific products	07.100.30	rujan 2024.
ISO 16140-4 AMD 1	Microbiology of the food chain – Method validation – Part 4: Protocol for method validation in a single laboratory – Amendment 1: Validation of a larger test portion size for qualitative methods	07.100.30	rujan 2024.
ISO 16521	Design of concrete-filled steel tubular (CFST) hybrid structures	91.080.99	rujan 2024.
ISO 16694	Space systems – Measured parameters at firing bench and flight tests of liquid rocket engines	49.140	rujan 2024.
ISO 16756*IDF 259	Milk and milk products – Guidance for the application of Carr-Purcell-Meiboom-Gill (CPMG) pulsed time-domain nuclear magnetic resonance (TD-NMR) spectroscopy for fat determination	67.100.01	rujan 2024.



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ISO/IEC TS 17035	Conformity assessment – Guidelines for validation and verification programmes	03.120.20	rujan 2024.
ISO 17174	Molecular biomarker analysis – DNA barcoding of fish and fish products using defined mitochondrial cytochrome b and cytochrome c oxidase I gene segments	67.120.30	rujan 2024.
ISO 17396	Synchronous belt drives – Metric pitch – Tooth profiles T and AT endless and open ended belts and pulleys	21.220.10	rujan 2024.
ISO 17438-2	Intelligent transport systems – Indoor navigation for personal and vehicle ITS stations – Part 2: Requirements and specification for indoor maps	03.220.01; 35.240.60	rujan 2024.
ISO 17438-3	Intelligent transport systems – Indoor navigation for personal and vehicle ITS stations – Part 3: Requirements and specification for indoor positioning reference data	03.220.01; 35.240.60	rujan 2024.
ISO 17650	Low-alloyed steel – Determination of Mn, P, Cr, Ni, Mo, Co, Cu, V, Ti, As and Sn – Inductively coupled plasma optical emission spectrometric method	77.140.20	rujan 2024.
ISO 18563-2	Non-destructive testing – Characterization and verification of ultrasonic phased array equipment – Part 2: Array probes	19.100	rujan 2024.
ISO 18573	Conveyor belts – Test atmospheres and conditioning periods	53.040.20	rujan 2024.
ISO 18716	Professional farmer organization – Guidance	65.020.01	rujan 2024.
ISO 19103	Geographic information – Conceptual schema language	35.240.70	rujan 2024.
ISO/IEC 19369	Information technology – Telecommunications and information exchange between systems – NFCIP-2 test methods	35.100.10	rujan 2024.
ISO 19403-2	Paints and varnishes – Wettability – Part 2: Determination of the surface free energy of solid surfaces by measuring the contact angle	87.040	rujan 2024.
ISO 19403-3	Paints and varnishes – Wettability – Part 3: Determination of the surface tension of liquids using the pendant drop method	87.040	rujan 2024.
ISO 20140-5	Automation systems and integration – Evaluating energy efficiency and other factors of manufacturing systems that influence the environment – Part 5: Environmental performance evaluation data	25.040.01	rujan 2024.
ISO 20342-5	Assistive products for tissue integrity when lying down – Part 5: Test method for resistance to cleaning and disinfection	11.180.01	rujan 2024.
ISO/TS 20444	Rubber and plastics hoses – Determination of abrasion resistance of the outer cover	83.140.40	rujan 2024.
ISO 20579-1	Surface chemical analysis – Sample handling, preparation and mounting – Part 1: Documenting and reporting the handling of specimens prior to analysis	71.040.40	rujan 2024.
ISO 20957-2	Stationary training equipment – Part 2: Strength training equipment – Additional specific safety requirements and test methods	97.220.30	rujan 2024.
ISO 20957-7	Stationary training equipment – Part 7: Rowing equipment – Additional specific safety requirements and test methods	97.220.30	rujan 2024.
ISO/TS 22583	Requirements and recommendations for supervisors and operators of point-of-care testing (POCT) equipment	03.100.30; 11.100.01	rujan 2024.
ISO 22762-1	Elastomeric seismic-protection isolators – Part 1: Test methods	83.140.99	rujan 2024.
ISO 22762-2	Elastomeric seismic-protection isolators – Part 2: Applications for bridges – Specifications	83.140.99; 93.040	rujan 2024.
ISO 22762-3	Elastomeric seismic-protection isolators – Part 3: Applications for buildings – Specifications	83.140.99; 91.120.25	rujan 2024.
ISO/IEC 23090-18 AMD 1	Information technology – Coded representation of immersive media – Part 18: Carriage of geometry-based point cloud compression data – Amendment 1: Support for temporal scalability	35.040.40	rujan 2024.
ISO/IEC 23090-22	Information technology – Coded representation of immersive media – Part 22: Conformance for G-PCC	35.040.40	rujan 2024.
ISO/IEC 23094-3 AMD 1	Information technology – General video coding – Part 3: Conformance and reference software for low complexity enhancement video coding – Amendment 1: Updated conformance data and reference software	35.040.40	rujan 2024.

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ISO 23548	Measurement of radioactivity – Alpha emitting radionuclides – Generic test method using alpha spectrometry	17.240	rujan 2024.
ISO 23936-4	Oil and gas industries including lower carbon energy – Non-metallic materials in contact with media related to oil and gas production – Part 4: Fiber-reinforced composite materials	75.180.01	rujan 2024.
ISO 24096-1	Technical product documentation (TPD) – Classification of requirements – Part 1: Framework	01.100.01	rujan 2024.
ISO 24096-2	Technical product documentation (TPD) – Classification of requirements – Part 2: Classification based on severity and susceptibility	01.100.01	rujan 2024.
ISO 24212	Remediation techniques applied at contaminated sites	13.080.01	rujan 2024.
ISO 24581	Road vehicles – General requirements and test methods of in-vehicle optical harnesses for up to 100 Gbit/s communication	43.040.10	rujan 2024.
ISO 24650	Road vehicles – Sensors for automated driving under adverse weather conditions – Assessment of the cleaning system efficiency	43.040.10; 43.040.15	rujan 2024.
ISO 24682	Ships and marine technology – Technical requirements for "B" class fire-resistant compartment systems of composite mineral wool panel	47.020.05	rujan 2024.
ISO/IEC 25040	Systems and software engineering – Systems and software Quality Requirements and Evaluation (SQuaRE) – Quality evaluation framework	35.080	rujan 2024.
ISO 32120	Transaction assurance in E-commerce – Guidelines on sharing goods quality assurance traceability information in E-commerce supply chains	03.080.30; 35.240.63	rujan 2024.
ISO 37113	Sustainable cities and communities – Guidance for managing a public-health emergency response in smart city operating models	03.100.01; 13.020.20	rujan 2024.
ISO 37151	Smart community infrastructures – Principles and requirements for performance metrics	13.020.20	rujan 2024.
ISO/UNDP PAS 53002	Guidelines for contributing to the United Nations Sustainable Development Goals (SDGs)	13.020.20	rujan 2024.
ISO 56001	Innovation management system – Requirements	03.100.01; 03.100.40; 03.100.70	rujan 2024.
ISO/TS 80004-13	Nanotechnologies – Vocabulary – Part 13: Graphene and other two-dimensional (2D) materials	01.040.07; 07.120	rujan 2024.
IEC 80601-2-49 AMD 1	Medical electrical equipment – Part 2-49: Particular requirements for the basic safety and essential performance of multifunction patient monitoring equipment – Amendment 1	11.040.55	rujan 2024.

## Međunarodna normizacija (IEC)

Oznaka norme	Naslov norme	ICS	Datum objave
IEC 60216-2 Corrigendum 1	Electrical insulating materials – Thermal endurance properties – Part 2: Determination of thermal endurance properties of electrical insulating materials – Choice of test criteria; Corrigendum 1	29.035.01	rujan 2024.
IEC/TR 60216-7-2	Electrical insulating materials – Thermal endurance properties – Part 7-2: Accelerated determination of relative thermal endurance using analytical test methods (RTEA) – Results of the round robin tests to validate procedures of IEC TS 60216-7-1 by non-isothermal kinetic analysis of thermogravimetric data	19.020; 29.020; 29.035.01	rujan 2024.
IEC 60308	Hydraulic turbines – Testing of governing systems	27.140	rujan 2024.
IEC 60317-0-3	Specifications for particular types of winding wires – Part 0-3: General requirements – Enamelled round aluminium wire	29.060.10	rujan 2024.
IEC 60335-2-32	Household and similar electrical appliances – Safety – Part 2-32: Particular requirements for massage appliances	13.120; 97.170	rujan 2024.
IEC 60335-2-61	Household and similar electrical appliances – Safety – Part 2-61: Particular requirements for thermal storage room heaters	13.120; 97.100.10	rujan 2024.
IEC 60335-2-62	Household and similar electrical appliances – Safety – Part 2-62: Particular requirements for commercial electric rinsing sinks	97.040.40; 97.040.50	rujan 2024.
IEC 60335-2-83	Household and similar electrical appliances – Safety – Part 2-83: Particular requirements for heated gullies for roof drainage	91.060.20	rujan 2024.
IEC 60704-2-10	Household and similar electrical appliances – Test code for the determination of airborne acoustical noise – Part 2-10: Particular requirements for ranges, ovens, steam ovens, grills and microwave ovens	17.140.20; 97.040.20	rujan 2024.
IEC 60704-2-15	Household and similar electrical appliances – Test code for the determination of airborne acoustical noise – Part 2-15: Particular requirements for household food waste disposers	17.140.20; 97.040.10; 97.040.50	rujan 2024.
IEC 60947-2	Low-voltage switchgear and controlgear – Part 2: Circuit-breakers	29.130.20	rujan 2024.
IEC 61196-1-111	Coaxial communication cables – Part 1-111: Electrical test methods – Stability of phase test methods	33.120.10	rujan 2024.
IEC 61196-1-113	Coaxial communication cables – Part 1-113: Electrical test methods – Test for attenuation constant	33.120.10	rujan 2024.
IEC/TR 62150-7	Fibre optic active components and devices – Test and measurement procedures – Part 7: Calculation methodology of laser safety class for optical transceivers and transmitters	31.260; 33.180.20; 33.180.30	rujan 2024.
IEC 62271-211	High-voltage switchgear and controlgear – Part 211: Direct connection between power transformers and gas-insulated metal-enclosed switchgear for rated voltages above 52 kV	29.130.10	rujan 2024.
IEC/TS 62271-318	High-voltage switchgear and controlgear – Part 318: DC gas-insulated metal-enclosed switchgear for rated voltages including and above 100 kV	29.130.10	rujan 2024.
IEC/TS 62271-319	High-voltage switchgear and controlgear – Part 319: Alternating current circuit-breakers intended for controlled switching	29.130.10; 29.130.99	rujan 2024.
IEC 62305-1	Protection against lightning – Part 1: General principles	29.020; 91.120.40	rujan 2024.
IEC 62305-2	Protection against lightning – Part 2: Risk management	29.020; 91.120.40	rujan 2024.
IEC 62305-3	Protection against lightning – Part 3: Physical damage to structures and life hazard	29.020; 91.120.40	rujan 2024.
IEC 62305-4	Protection against lightning – Part 4: Electrical and electronic systems within structures	29.020; 91.120.40	rujan 2024.
IEC 62471-7 Corrigendum 2	Photobiological safety of lamps and lamp systems – Part 7: Light sources and luminaires primarily emitting visible radiation; Corrigendum 2	29.140.01	rujan 2024.
IEC 62514	Multimedia gateway in home networks – Guidelines	33.160.60; 35.110; 35.200	rujan 2024.
IEC 62668-1 AMD 1	Process management for avionics – Counterfeit prevention – Part 1: Avoiding the use of counterfeit, fraudulent and recycled electronic components; Amendment 1	03.020; 03.100.50; 49.020; 49.060; 49.090	rujan 2024.

Oznaka norme	Naslov norme	ICS	Datum objave
IEC 62668-1 Edition 1.1	Process management for avionics – Counterfeit prevention – Part 1: Avoiding the use of counterfeit, fraudulent and recycled electronic components	03.100.50; 31.020; 49.020; 49.060; 49.090	rujan 2024.
IEC 62709	Radiation protection instrumentation – Security screening of humans – Measuring the imaging performance of X-ray systems	13.280; 13.310; 17.240	rujan 2024.
IEC 62841-3-11	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 3-11: Particular requirements for transportable combined mitre and bench saws	25.080.60; 25.140.20	rujan 2024.
IEC 62899-301-3	Printed Electronics – Part 301-3: Equipment – Contact printing – Rigid master – Method to measure the shape errors of printing plate rollers	19.080; 31.180; 37.100.01	rujan 2024.
IEC/TR 62933-2-201	Electrical energy storage (EES) systems – Part 2-201: Unit parameters and testing methods – Review of testing for battery energy storage systems (BESS) for the purpose of implementing repurpose and reuse batteries	13.020.30; 27.010; 29.220.01; 29.220.99	rujan 2024.
IEC 63145-22-20 Corrigendum 1	Eyewear display – Part 22-20: Specific measurement methods for AR type – Image quality; Corrigendum 1	31.120	rujan 2024.
IEC/TS 63276	Guidelines for the hosting capacity evaluation of distribution networks for distributed energy resources	29.240.01	rujan 2024.
IEC SRD 63314	Active assisted living (AAL) guidance for education and training of persons working in the field of AAL	03.100.30; 11.020.99; 11.180.01; 97.120	rujan 2024.
IEC/TS 63331	Electric dishwashers for household use – Methods for measuring the microbiological efficacy of the dishwashing process	97.040.40	rujan 2024.
IEC 63356-2	LED light source characteristics – Part 2: Design parameters and values	29.140.99	rujan 2024.
IEC/TR 63368	Control and protection systems for high-voltage direct current (HVDC) power transmission systems – Off-site real-time simulation testing	29.240.30; 29.240.99	rujan 2024.
IEC/TR 63484	Guidance on fungus resistance of optical fibre cables	33.180.10	rujan 2024.
IEC/TR 63486	Nuclear facilities – Instrumentation, control and electrical power systems – Cybersecurity risk management approaches	27.100; 27.120.20	rujan 2024.
IEC 80601-2-49 AMD 1	Medical electrical equipment – Part 2-49: Particular requirements for the basic safety and essential performance of multifunction patient monitors; Amendment 1	11.040.55	rujan 2024.
IEC 80601-2-49 Edition 1.1	Medical electrical equipment – Part 2-49: Particular requirements for the basic safety and essential performance of multifunction patient monitors	11.040.55	rujan 2024.
ISO/IEC 4944	Information technology – User interfaces – Evaluating usability of natural user interfaces	13.180; 35.180	rujan 2024.
ISO/IEC 8506	Information technology – Automatic identification and data capture technology – AIDC application in industrial construction	35.040.50; 35.240.67	rujan 2024.
ISO/IEC 10192-4-2	Information technology – Home electronic system (HES) interfaces – Part 4-2: Common user interface and cluster-to-cluster interface to support interworking among home cluster systems – Interfaces, services and objects	35.200; 97.120	rujan 2024.
ISO/IEC 11581-7	Information technology – User interface icons – Part 7: Icons for setting interaction modes	35.240.20	rujan 2024.
ISO/IEC 14776-346	Information technology – Small computer system interface (SCSI) – Part 346: Zoned Block Commands – 2 (ZBC-2)	35.200	rujan 2024.
ISO/IEC 15067-3	Information technology – Home Electronic System (HES) application model – Part 3: Model of an energy management system for HES	35.200; 35.240.99; 97.120	rujan 2024.
ISO/IEC TS 17035	Conformity assessment – Guidelines for validation and verification programmes	03.120.20	rujan 2024.
ISO/IEC 19369	Information technology – Telecommunications and information exchange between systems – NFCIP-2 test methods	35.100.10	rujan 2024.

Oznaka norme	Naslov norme	ICS	Datum objave
ISO 20140-5	Automation systems and integration – Evaluating energy efficiency and other factors of manufacturing systems that influence the environment – Part 5: Environmental performance evaluation data	25.040.01	rujan 2024.
ISO/IEC 23090-18 AMD 1	Information technology – Coded representation of immersive media – Part 18: Carriage of geometry-based point cloud compression data – Amendment 1: Support for temporal scalability	35.040.40	rujan 2024.
ISO/IEC 23090-22	Information technology – Coded representation of immersive media – Part 22: Conformance for G-PCC	35.040.40	rujan 2024.
ISO/IEC 23094-3 AMD 1	Information technology – General video coding – Part 3: Conformance and reference software for low complexity enhancement video coding – Amendment 1: Updated conformance data and reference software	35.040.40	rujan 2024.
ISO/IEC 25040	Systems and software engineering – Systems and software Quality Requirements and Evaluation (SQuaRE) – Quality evaluation framework	35.080	rujan 2024.
ISO/TS 80004-13	Nanotechnologies – Vocabulary – Part 13: Graphene and other two-dimensional (2D) materials	01.040.07; 07.120	rujan 2024.
IEC 80601-2-49 AMD 1	Medical electrical equipment – Part 2-49: Particular requirements for the basic safety and essential performance of multifunction patient monitoring equipment – Amendment 1	11.040.55	rujan 2024.