

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 nacрте 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 8, Brodogradnja

- HRN EN ISO 8847:2021 en pr
Mala plovila – Kormilarski uređaj – Sustavi užadi i užnica (ISO 8847:2021; EN ISO 8847:2021)
Small craft – Steering gear – Cable over pulley systems (ISO 8847:2021; EN ISO 8847:2021)

HZN/TO 21, Protupožarna i vatrogasna oprema

- HRN EN 14972-3:2021 en pr
Stabilni protupožarni sustavi – Sustavi vodene magle – 3. dio: Protokol ispitivanja za sustave s automatskim mlaznicama za urede, školske učionice i hotele (EN 14972-3:2021)
Fixed firefighting systems – Water mist systems – Part 3: Test protocol for office, school classrooms and hotel for automatic nozzle systems (EN 14972-3:2021)

HZN/TO 28, Naftni proizvodi i maziva

- HRN EN 15692:2021 en pr
Etanol kao komponenta za namješavanje u benzin – Određivanje udjela vode – Metoda potenciometrijske titracije po Karl Fischeru (EN 15692:2021)
Ethanol as a blending component for gasoline – Determination of water content – Karl Fischer potentiometric titration method (EN 15692:2021)

- HRN EN ISO 22854:2021 en pr
Tekući naftni proizvodi – Određivanje vrste ugljikovodika i oksigenata u benzinu i etanolu (E85) kao gorivu za motorna vozila – Metoda višedimenzionalne plinske kromatografije (ISO 22854:2021; EN ISO 22854:2021)
Liquid petroleum products – Determination of hydrocarbon types and oxygenates in automotive-motor gasoline and in ethanol (E85) automotive fuel – Multidimensional gas chromatography method (ISO 22854:2021; EN ISO 22854:2021)

HZN/TO 43, Akustika

- HRN EN ISO 10052:2021 en pr
Akustika – Terenska mjerenja zračne i udarne zvučne izolacije i zvuka servisne opreme – Metoda pregleda (ISO 10052:2021; EN ISO 10052:2021)
Acoustics – Field measurements of airborne and impact sound insulation and of service equipment sound – Survey method (ISO 10052:2021; EN ISO 10052:2021)

- HRN EN ISO 21388:2021 en pr
Akustika – Upravljanje ugradnjom slušnih pomagala (HAFM) (ISO 21388:2020; EN ISO 21388:2021)
Acoustics – Hearing aid fitting management (HAFM) (ISO 21388:2020; EN ISO 21388:2021)

HZN/TO 44, Zavarivanje i srodni postupci

- HRN EN 15339-2:2021 en pr
Toplinsko naštrecavanje – Sigurnosni zahtjevi za opremu za toplinsko naštrecavanje – 2. dio: Uređaji za kontrolu plinova (EN 15339-2:2021)
Thermal spraying – Safety requirements for thermal spraying equipment – Part 2: Gas control units (EN 15339-2:2021)

- HRI CEN ISO/TR 20172:2021 en pr
Zavarivanje – Sustavi razvrstavanja materijala – Europski materijali (ISO/TR 20172:2021; CEN ISO/TR 20172:2021)
Welding – Grouping systems for materials – European materials (ISO/TR 20172:2021; CEN ISO/TR 20172:2021)

HZN/TO 54, Eterična ulja

- HRN ISO 3044:2021 en pr
Eterično ulje limunskog eukaliptusa *Corymbia citriodora* (Hook.) K.D. Hill and L.A.S. Johnson (syn. *Eucalyptus citriodora* Hook.) (ISO 3044:2020)
Essential oil of *Corymbia citriodora* (Hook.) K.D. Hill and L.A.S. Johnson (syn. *Eucalyptus citriodora* Hook.) (ISO 3044:2020)

- HRN ISO 3140:2021 en pr
Eterično ulje slatke naranče; tiješteno [*Citrus sinensis* (L.)] (ISO 3140:2019)
Essential oil of sweet orange expressed [*Citrus sinensis* (L.)] (ISO 3140:2019)

- HRN ISO 3475:2021 en pr
Eterično ulje ploda anisa (*Pimpinella anisum* L.) (ISO 3475:2020)
Essential oil of aniseed (*Pimpinella anisum* L.) (ISO 3475:2020)

- HRN ISO 4720:2021 en pr
Eterična ulja – Nomenklatura (ISO 4720:2018)
Essential oils – Nomenclature (ISO 4720:2018)

- HRN ISO 4727:2021 en pr
Eterično ulje palmaroze [*Cymbopogon martinii* (Roxburgh) W. Watson var. *motia*] (ISO 4727:2021)
Essential oil of palmarosa [*Cymbopogon martinii* (Roxb.) W. Watson var. *motia*] (ISO 4727:2021)

- HRN ISO 7358:2021 en pr
Eterična ulja bergamota; limuna; gorke naranče i limete s potpuno ili djelomično odstranjenim bergaptenom – Određivanje količine bergaptena metodom tekućinske kromatografije visokog učinka (HPLC) (ISO 7358:2021)
Essential oils of bergamot, lemon, bitter orange and lime, fully or partially reduced in bergapten – Determination of bergapten content by high-performance liquid chromatography (HPLC) (ISO 7358:2021)

- HRN ISO 19332:2021 en pr
Eterično ulje njemačke kamilice [*Matricaria chamomilla* L. syn. *Chamomilla recutita* (L.) Rauschert] (ISO 19332:2020)
Essential oil of matricaria [*Matricaria chamomilla* L. syn. *Chamomilla recutita* (L.) Rauschert] (ISO 19332:2020)

- HRN ISO 19817:2021 en pr
Eterično ulje timijana [*Thymus vulgaris* L. i *Thymus zygis* L.], timol tip (ISO 19817:2017)
Essential oil of thyme [*Thymus vulgaris* L. and *Thymus zygis* L.], thymol type (ISO 19817:2017)

HZN/TO 71, Beton

- HRN EN 12390-13:2021 en pr
Ispitivanje očvrsloga betona – 13. dio: Određivanje sekantnog modula elastičnosti pri tlaku (EN 12390-13:2021)
Testing hardened concrete – Part 13: Determination of secant modulus of elasticity in compression (EN 12390-13:2021)

- HRN EN 12504-2:2021 en pr
Ispitivanje betona u konstrukcijama – 2. dio: Nerazorno ispitivanje – Određivanje indeksa sklerometra (EN 12504-2:2021)
Testing concrete in structures – Part 2: Non-destructive testing – Determination of rebound number (EN 12504-2:2021)

HZN/TO 74, Cement i vapno

- HRN EN 459-2:2021 en pr
Građevno vapno – 2. dio: Metode ispitivanja (EN 459-2:2021)
Building lime – Part 2: Test methods (EN 459-2:2021)

HZN/TO 121, Anestetička i respiracijska oprema

- HRN EN ISO 10651-5:2021 en pr
Plućni respiratori za medicinsku primjenu – Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke – 5. dio: Oprema za reanimaciju za hitne slučajeve pokretana plinom (ISO 10651-5:2006; EN ISO 10651-5:2021)
Lung ventilators for medical use – Particular requirements for basic safety and essential performance – Part 5: Gas-powered emergency resuscitators (ISO 10651-5:2006; EN ISO 10651-5:2021)

HRN EN ISO 80601-2-74:2021 en pr
Medicinska električna oprema – Dio 2-74: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke ovlaživača za opremu za disanje (ISO 80601-2-74:2021; EN ISO 80601-2-74:2021)
Medical electrical equipment – Part 2-74: Particular requirements for basic safety and essential performance of respiratory humidifying equipment (ISO 80601-2-74:2021; EN ISO 80601-2-74:2021)

HZN/TO 146, Kvaliteta zraka

HRS CEN/TS 17638:2021 en pr
Emisije iz nepokretnih izvora – Određivanje masene koncentracije formaldehida – Ručna metoda (CEN/TS 17638:2021)
Stationary source emissions – Manual method for the determination of the mass concentration of formaldehyde – Reference method (CEN/TS 17638:2021)

HZN/TO 147, Kvaliteta vode

HRN EN ISO 10872:2021 en pr
Kvaliteta vode i tla – Određivanje toksičnog učinka uzoraka sedimenta i tla na rast, plodnost i reprodukciju *Caenorhabditis elegans* (Nematoda) (ISO 10872:2020; EN ISO 10872:2021)
Water and soil quality – Determination of the toxic effect of sediment and soil samples on growth, fertility and reproduction of *Caenorhabditis elegans* (Nematoda) (ISO 10872:2020; EN ISO 10872:2021)

HRN EN ISO 13160:2021 en pr
Kvaliteta vode – Stroncij-90 i stroncij-89 – Metode ispitivanja s upotrebom tekućinske scintilacije ili proporcionalnog brojenja (ISO 13160:2021; EN ISO 13160:2021)
Water quality – Strontium 90 and strontium 89 – Test methods using liquid scintillation counting or proportional counting (ISO 13160:2021; EN ISO 13160:2021)

HZN/TO 172, Optika i optički instrumenti

HRN EN ISO 11146-1:2021 en pr
Laseri i pridružena oprema – Metode ispitivanja za širine laserskog snopa, kutove divergencije i omjere prostiranja snopa – 1. dio: Stigmatični i jednostavni astigmatični snopovi (ISO 11146-1:2021; EN ISO 11146-1:2021)
Lasers and laser-related equipment – Test methods for laser beam widths, divergence angles and beam propagation ratios – Part 1: Stigmatic and simple astigmatic beams (ISO 11146-1:2021; EN ISO 11146-1:2021)

HRN EN ISO 11146-2:2021 en pr
Laseri i pridružena oprema – Metode ispitivanja za širine laserskog snopa, kutove divergencije i omjere prostiranja snopa – 2. dio: Opći astigmatični snopovi (ISO 11146-2:2021; EN ISO 11146-2:2021)
Lasers and laser-related equipment – Test methods for laser beam widths, divergence angles and beam propagation ratios – Part 2: General astigmatic beams (ISO 11146-2:2021; EN ISO 11146-2:2021)

HRN EN ISO 15253:2021 en pr
Oftalmološka optika i instrumenti – Optička i elektro-optička sredstva za pojačavanje slabog vida (ISO 15253:2021; EN ISO 15253:2021)
Ophthalmic optics and instruments – Optical and electro-optical devices for enhancing low vision (ISO 15253:2021; EN ISO 15253:2021)

HZN/TO 181, Sigurnost igraćaka i proizvodi za djecu

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

HZN/TO 238, Čvrsta biogoriva

HRN EN ISO 17225-5:2021 en pr
Čvrsta biogoriva – Specifikacije goriva i razredi – 5. dio: Klasifikacija ogrjevnog drva (ISO 17225-5:2021; EN ISO 17225-5:2021)
Solid biofuels – Fuel specifications and classes – Part 5: Graded firewood (ISO 17225-5:2021; EN ISO 17225-5:2021)

HRN EN ISO 17225-6:2021 en pr
Čvrsta biogoriva – Specifikacije goriva i razredi – 6. dio: Klasifikacija nedravnih peleta (ISO 17225-6:2021; EN ISO 17225-6:2021)
Solid biofuels – Fuel specifications and classes – Part 6: Graded non-woody pellets (ISO 17225-6:2021; EN ISO 17225-6:2021)

HRN EN ISO 17225-7:2021 en pr
Čvrsta biogoriva – Specifikacije goriva i razredi – 7. dio: Klasifikacija nedravnih briketa (ISO 17225-7:2021; EN ISO 17225-7:2021)
Solid biofuels – Fuel specifications and classes – Part 7: Graded non-woody briquettes (ISO 17225-7:2021; EN ISO 17225-7:2021)

HRN EN ISO 17225-9:2021 en pr
Čvrsta biogoriva – Specifikacije goriva i razredi – 9. dio: Klasifikacija drvnog iverja i drvene sječke za industrijsku uporabu (ISO 17225-9:2021; EN ISO 17225-9:2021)
Solid biofuels – Fuel specifications and classes – Part 9: Graded hog fuel and wood chips for industrial use (ISO 17225-9:2021; EN ISO 17225-9:2021)

HZN/TO 503, Metalni materijali

HRN EN ISO 15349-2:2021 en pr
Nelegirani čelik – Određivanje niskog sadržaja ugljika – 2. dio: Metoda infracrvene apsorpcije nakon izgaranja u indukcijskoj peći (s predgrijavanjem) (ISO 15349-2:2021; EN ISO 15349-2:2021)
Unalloyed steel – Determination of low carbon content – Part 2: Infrared absorption method after combustion in an induction furnace (with preheating) (ISO 15349-2:2021; EN ISO 15349-2:2021)

HZN/TO 528, Oprema za željeznice

HRN EN 16116-2:2021 en pr
Željeznički sustav – Projektni zahtjevi za stepenice, rukohvate i prateće dodatke za osoblje – 2. dio: Teretni vagoni (EN 16116-2:2021)
Railway applications – Design requirements for steps, handrails and associated access for staff – Part 2: Freight wagons (EN 16116-2:2021)

HRN EN 17168:2021 en pr
Željeznički sustav – Sustavi pregrada na peronima (EN 17168:2021)
Railway applications – Platform barrier systems (EN 17168:2021)

HZN/TO 531, Plastika i guma

HRN EN ISO 1043-4:2021 en pr
Plastika – Simboli i skraćeni nazivi – 4. dio: Usporivači gorenja (ISO 1043-4:2021; EN ISO 1043-4:2021)
Plastics – Symbols and abbreviated terms – Part 4: Flame retardants (ISO 1043-4:2021; EN ISO 1043-4:2021)

HRN EN ISO 10619-2:2021 en pr
Gumena i plastična crijeva i cijevi – Mjerenje savitljivosti i krutosti – 2. dio: Savojna ispitivanja pri temperaturi nižoj od temperature okoline (ISO 10619-2:2021; EN ISO 10619-2:2021)
Rubber and plastics hoses and tubing – Measurement of flexibility and stiffness – Part 2: Bending tests at sub-ambient temperatures (ISO 10619-2:2021; EN ISO 10619-2:2021)

HRN EN ISO 12017:2021 en pr
Plastika – Dvoslojne i troslojne poli(metil-metakrilatne) ploče – Metode ispitivanja (ISO 12017:2021; EN ISO 12017:2021)
Plastics – Poly(methyl methacrylate) double- and triple-skin sheets – Test methods (ISO 12017:2021; EN ISO 12017:2021)

HRN EN ISO 24022-2:2021 en pr
Plastika – Polistirenski (PS) prešani i ekstrudirani materijali – 2. dio: Priprema ispitaka i određivanje svojstava (ISO 24022-2:2020; EN ISO 24022-2:2020)
Plastics – Polystyrene (PS) moulding and extrusion materials – Part 2: Preparation of test specimens and determination of properties (ISO 24022-2:2020; EN ISO 24022-2:2020)

HZN/TO 553, Predgotovljeni proizvodi

HRN EN ISO 10545-10:2021 en pr
Keramičke pločice – 10. dio: Određivanje širenja pod utjecajem vlage (ISO 10545-10:2021; EN ISO 10545-10:2021)
Ceramic tiles – Part 10: Determination of moisture expansion (ISO 10545-10:2021; EN ISO 10545-10:2021)

HZN/TO 554, Obrada otpadnih voda

HRN EN 12255-16:2021 en pr
Uređaji za pročišćavanje otpadnih voda – 16. dio: Fizikalna (mehanička) filtracija (EN 12255-16:2021)
Wastewater treatment plants – Part 16: Physical (mechanical) filtration (EN 12255-16:2021)

HZN/TO 555, Medicinski proizvodi

HRN EN ISO 11138-8:2021 en pr
Sterilizacija medicinskih proizvoda – Biološki indikatori – 8. dio: Metoda validacije smanjenog vremena inkubacije za biološki indikator (ISO 11138-8:2021; EN ISO 11138-8:2021)
Sterilization of health care products – Biological indicators – Part 8: Method for validation of a reduced incubation time for a biological indicator (ISO 11138-8:2021; EN ISO 11138-8:2021)

HRN EN ISO 20166-4:2021 en pr
Molekularna in vitro dijagnostička ispitivanja – Specifikacije za postupke prije ispitivanja za tkivo fiksirano formalinom i uronjeno u parafin (FFPE) – 4. dio: In situ tehnike otkrivanja (ISO 20166-4:2021; EN ISO 20166-4:2021)
Molecular in vitro diagnostic examinations – Specifications for preexamination processes for formalin-fixed and paraffin-embedded (FFPE) tissue – Part 4: In situ detection techniques (ISO 20166-4:2021; EN ISO 20166-4:2021)

HRN EN ISO 23162:2021 en pr
Osnovni pregled sjemena – Specifikacija i metode ispitivanja (ISO 23162:2021; EN ISO 23162:2021)
Basic semen examination – Specification and test methods (ISO 23162:2021; EN ISO 23162:2021)

HZN/TO 560, Tekstilni proizvodi

HRN EN ISO 1833-22:2021 en pr
Tekstil – Kvantitativna kemijska analiza – 22. dio: Mješavine viskoznih ili određenih tipova bakrenih ili modalnih ili liocelnih vlakana i lana (metoda s uporabom mravlje kiseline i cinkovog klorida) (ISO 1833 22:2020; EN ISO 1833-22:2021)
Textiles – Quantitative chemical analysis – Part 22: Mixtures of viscose or certain types of cupro or modal or lyocell with flax fibres (method using formic acid and zinc chloride) (ISO 1833 22:2020; EN ISO 1833-22:2021)

HRN EN 17117-2:2021 en pr
Tkanine presvučene gumom ili plastikom – Mehaničke metode ispitivanja u stanjima dvoosnih naprezanja – 2. dio: Određivanje vrijednosti kompenzacije uzorka (EN 17117-2:2021)
Rubber- or plastics-coated fabrics – Mechanical test methods under biaxial stress states – Part 2: Determination of the pattern compensation values (EN 17117-2:2021)

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

HRN EN 16579:2021 en pr
Oprema za sportska igrališta – Prijenosni i učvršćeni golovi – Funkcionalni i sigurnosni zahtjevi i metode ispitivanja (EN 16579:2018+AC:2019)
Playing field equipment – Portable and permanent socketed goals – Functional, safety requirements and test methods (EN 16579:2018+AC:2019)

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

HRS CEN ISO/TS 29843-2:2021 en pr
Kvaliteta tla – Određivanje mikrobne raznolikosti tla – 2. dio: Analiza masnih kiselina u fosfolipidima (PLFA) primjenom jednostavne metode ekstrakcije PLFA (ISO/TS 29843-2:2021; CEN ISO/TS 29843-2:2021)
Soil quality – Determination of soil microbial diversity – Part 2: Method by phospholipid fatty acid analysis (PLFA) using the simple PLFA extraction method (ISO/TS 29843-2:2021; CEN ISO/TS 29843-2:2021)

HZN/TO E9, Električna oprema za željeznicu

HRN EN 50155:2021 en pr
Željeznički sustav – Željeznička vozila – Elektronička oprema (EN 50155:2021)
Railway applications – Rolling stock – Electronic equipment (EN 50155:2021)

HZN/TO E11, Nadzemni vodovi

HRN EN 50341-2-12:2021 en pr
Nadzemni električni vodovi izmjenične struje iznad 1 kV – Dio 2-12: Nacionalni normativni aspekti (NNA) za Island (na temelju EN 50341-1:2012) (EN 50341-2-12:2018)
Overhead electrical lines exceeding AC 1 kV – Part 2-12: National Normative Aspects (NNA) for ICELAND (based on EN 50341-1:2012) (EN 50341-2-12:2018)

HRN EN 50341-2-20:2021 en pr
Nadzemni električni vodovi izmjenične struje iznad 1 kV – Dio 2-20: Nacionalni normativni aspekti (NNA) za Estoniju (na temelju EN 50341-1:2012) (EN 50341-2-20:2018)
Overhead electrical lines exceeding AC 1 kV – Part 2-20: National Normative Aspects (NNA) for ESTONIA (based on EN 50341-1:2012) (EN 50341-2-20:2018)

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

HRN EN IEC 62053-21:2021/A11:2021 en pr
Električna brojila za izmjeničnu struju – Posebni zahtjevi – 21. dio: Statička brojila djelatne energije za izmjeničnu struju (razreda 0,5, 1 i 2) (EN IEC 62053-21:2021/A11:2021)
Electricity metering equipment – Particular requirements – Part 21: Static meters for AC active energy (classes 0,5, 1 and 2) (EN IEC 62053-21:2021/A11:2021)

HRN EN IEC 62053-22:2021/A11:2021 en pr
Električna brojila za izmjeničnu struju – Posebni zahtjevi – 22. dio: Statička brojila djelatne energije (razreda 0,1 S, 0,2 S i 0,5 S) (EN IEC 62053-22:2021/A11:2021)
Electricity metering equipment – Particular requirements – Part 22: Static meters for AC active energy (classes 0,1S, 0,2S and 0,5S) (EN IEC 62053-22:2021/A11:2021)

HRN EN IEC 62053-23:2021/A11:2021 en pr
Električna brojila za izmjeničnu struju – Posebni zahtjevi – 23. dio: Statička brojila jalove energije (razreda 2 i 3) (EN IEC 62053-23:2021/A11:2021)
Electricity metering equipment – Particular requirements – Part 23: Static meters for reactive energy (classes 2 and 3) (EN IEC 62053-23:2021/A11:2021)

HRN EN IEC 62053-24:2021/A11:2021 en pr
Električna brojila za izmjeničnu struju – Posebni zahtjevi – 24. dio: Statička brojila jalove energije za osnovne komponente (razreda 0,5 S, 1S, 1, 2 i 3) (EN IEC 62053-24:2021/A11:2021)
Electricity metering equipment – Particular requirements – Part 24: Static meters for fundamental component reactive energy (classes 0,5S, 1S, 1, 2 and 3) (EN IEC 62053-24:2021/A11:2021)

HZN/TO E15, Čvrsti elektrotehnički izolacijski materijali

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

HZN/TO E17, Sklopni i upravljački uređaji

HRN EN IEC 62271-200:2021 en pr
Visokonaponska sklopna aparatura – 200. dio: Sklopna aparatura izmjenične struje s metalnim plaštem za nazivne napone iznad 1 kV do uključujući 52 kV (IEC 62271-200:2021; EN IEC 62271-200:2021)
High-voltage switchgear and controlgear – Part 200: AC metal-enclosed switchgear and controlgear for rated voltages above 1 kV and up to and including 52 kV (IEC 62271-200:2021; EN IEC 62271-200:2021)

HZN/TO E22, Energetska elektronika

HRN EN IEC 61204-3:2021 en pr
Niskonaponski prekidački izvori napajanja – 3. dio: Elektromagnetska kompatibilnost (EMC) (IEC 61204-3:2016; EN IEC 61204-3:2018)
Low-voltage switch mode power supplies – Part 3: Electromagnetic compatibility (EMC) (IEC 61204-3:2016; EN IEC 61204-3:2018)

HRN EN IEC 61800-3:2021 en pr
Elektromotorni sustavi prilagodljive brzine – 3. dio: Zahtjevi za elektromagnetsku kompatibilnost (EMC) i posebne metode ispitivanja (IEC 61800-3:2017; EN IEC 61800-3:2018)
Adjustable speed electrical power drive systems – Part 3: EMC requirements and specific test methods (IEC 61800-3:2017; EN IEC 61800-3:2018)

HRN EN IEC 62040-2:2021 en pr
Energetski sustavi neprekidnog napajanja (UPS) – 2. dio: Zahtjevi za elektromagnetsku kompatibilnost (IEC 62040-2:2016; EN IEC 62040-2:2018)
Uninterruptible power systems (UPS) – Part 2: Electromagnetic compatibility (EMC) requirements (IEC 62040-2:2016; EN IEC 62040-2:2018)

HRN EN IEC 62477-2:2021 en pr
Zahtjevi na sigurnost sustava elektroničkih energetskih pretvarača i opreme – 2. dio: Elektronički energetski pretvarači od 1000 V izmjenično ili 1500 V istosmjerno do 36 kV izmjenično ili 54 kV istosmjerno (IEC 62477-2:2018; EN IEC 62477-2:2018)
Safety requirements for power electronic converter systems and equipment – Part 2: Power electronic converters from 1 000 V AC or 1 500 V DC up to 36 kV AC or 54 kV DC (IEC 62477-2:2018; EN IEC 62477-2:2018)

HZN/TO E23, Električni instalacijski pribor

HRN EN IEC 61386-21:2021 en pr
Sustavi cijevi za vođenje kabela – 21. dio: Posebni zahtjevi – Sustavi krutih cijevi (IEC 61386-21:2021; EN IEC 61386-21:2021)
Conduit systems for cable management – Part 21: Particular requirements – Rigid conduit systems (IEC 61386-21:2021; EN IEC 61386-21:2021)

HRN EN IEC 61386-21:2021/A11:2021 en pr
Sustavi cijevi za vođenje kabela – 21. dio: Posebni zahtjevi – Sustavi krutih cijevi (EN IEC 61386-21:2021/A11:2021)
Conduit systems for cable management – Part 21: Particular requirements – Rigid conduit systems (EN IEC 61386-21:2021/A11:2021)

HRN EN IEC 61386-22:2021 en pr
Sustavi cijevi za vođenje kabela – 22. dio: Posebni zahtjevi – Sustavi savitljivih cijevi (IEC 61386-22:2021; EN IEC 61386-22:2021)
Conduit Systems for cable management – Part 22: Particular requirements – Pliable conduit systems (IEC 61386-22:2021; EN IEC 61386-22:2021)

HRN EN IEC 61386-22:2021/A11:2021 en pr
Sustavi cijevi za vođenje kabela – 22. dio: Posebni zahtjevi – Sustavi savitljivih cijevi (EN IEC 61386-22:2021/A11:2021)
Conduit Systems for cable management – Part 22: Particular requirements – Pliable conduit systems (EN IEC 61386-22:2021/A11:2021)

HRN EN IEC 61386-23:2021 en pr
Sustavi cijevi za vođenje kabela – 23. dio: Posebni zahtjevi – Sustavi gipkih cijevi (IEC 61386-23:2021; EN IEC 61386-23:2021)
Conduit systems for cable management – Part 23: Particular requirements – Flexible conduit systems (IEC 61386-23:2021; EN IEC 61386-23:2021)

HRN EN IEC 61386-23:2021/A11:2021 en pr
Sustavi cijevi za vođenje kabela – 23. dio: Posebni zahtjevi – Sustavi gipkih cijevi (EN IEC 61386-23:2021/A11:2021)
Conduit systems for cable management – Part 23: Particular requirements – Flexible conduit systems (EN IEC 61386-23:2021/A11:2021)

HZN/TO E31, Eksplozivne atmosfere

HRN EN IEC 62990-2:2021 en pr
Atmofere radnih prostora – 2. dio: Oprema za otkrivanje i mjerenje zapaljivih plinova – Odabir, postavljanje, uporaba i održavanje detektora otrovnih plinova i para (IEC 62990-2:2021; EN IEC 62990-2:2021)
Workplace atmospheres – Part 2: Gas detectors – Selection, installation, use and maintenance of detectors for toxic gases and vapours (IEC 62990-2:2021; EN IEC 62990-2:2021)

HZN/TO E34, Žarulje, svjetiljke i pripadna oprema

HRN EN 60598-2-13:2008/A11:2021 en pr
Svjetiljke – Dio 2-13: Posebni zahtjevi – Svjetiljke ukopane u zemlju (EN 60598-2-13:2006/A11:2021)
Luminaires – Part 2-13: Particular requirements – Ground recessed luminaires (EN 60598-2-13:2006/A11:2021)

HZN/TO E44, Elektrotehnička sigurnost strojeva

HRN EN IEC 62061:2021 en pr
Sigurnost strojeva – Funkcionalna sigurnost sigurnosnih upravljačkih sustava (IEC 62061:2021; EN IEC 62061:2021)
Safety of machinery – Functional safety of safety-related control systems (IEC 62061:2021; EN IEC 62061:2021)

HZN/TO E55, Žice za namote

HRN EN IEC 60851-1:2021 en pr
Žice za namote – Metode ispitivanja – 1. dio: Općenito (IEC 60851-1:2021; EN IEC 60851-1:2021)
Winding wires – Test methods – Part 1: General (IEC 60851-1:2021; EN IEC 60851-1:2021)

HZN/TO E57, Upravljanje energetskim sustavom i pridružene komunikacije

HRN EN IEC 61970-600-1:2021 en pr
Sučelje za aplikacije vođenja elektroenergetskog sustava (EMS-API) – Dio 600-1: Specifikacija zajedničkog mrežnog modela (CGMES) – Struktura i pravila (IEC 61970-600-1:2021; EN IEC 61970-600-1:2021)
Energy management system application program interface (EMS-API) – Part 600-1: Common Grid Model Exchange Specification (CGMES) – Structure and rules (IEC 61970-600-1:2021; EN IEC 61970-600-1:2021)

HRN EN IEC 61970-600-2:2021 en pr
Sučelje za aplikacije vođenja elektroenergetskog sustava (EMS-API) – Dio 600-2: Specifikacija zajedničkog mrežnog modela (CGMES) – Specifikacija profila za razmjenu (IEC 61970-600-2:2021; EN IEC 61970-600-2:2021)
Energy management system application program interface (EMS-API) – Part 600-2: Common Grid Model Exchange Specification (CGMES) – Exchange profiles specification (IEC 61970-600-2:2021; EN IEC 61970-600-2:2021)

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

HRN HD 60364-5-52:2012/A11:2021 en pr
Niskonaponske električne instalacije – Dio 5-52: Odabir i ugradnja električne opreme – Sustavi razvođenja (HD 60364-5-52:2011/A11:2017)
Low-voltage electrical installations – Part 5-52: Selection and erection of electrical equipment – Wiring systems (HD 60364-5-52:2011/A11:2017)

HZN/TO E112, Procjena i značajke električnih izolacijskih materijala i sustava

HRN IEC 60493-1:2021 en pr
Uputa za statističku analizu podataka pri ispitivanju starenja – 1. dio: Metode koje se temelje na srednjoj vrijednosti rezultata s normalnom distribucijom (IEC 60493-1:2011)
Guide for the statistical analysis of ageing test data – Part 1: Methods based on mean values of normally distributed test results (IEC 60493-1:2011)

HZN/TO T4, Normizacija u telekomunikacijama

HRN EN 302 307-2 V1.3.1:2021 en pr
Digitalna videodifuzija (DVB) – Druga generacija strukture okvira, kodiranja kanala i sustava modulacije za radiodifuziju, interaktivne servise, skupljanje informacija i druge širokopoljasne satelitske aplikacije – 2. dio: DVB-S2 Proširenja (DVB-S2X) (EN 302 307-2 V1.3.1:2021)
Digital Video Broadcasting (DVB) – Second generation framing structure, channel coding and modulation systems for Broadcasting, Interactive Services, News Gathering and other broadband satellite applications – Part 2: DVB-S2 Extensions (DVB-S2X) (EN 302 307-2 V1.3.1:2021)

HZN/TO Z1, Informacijska tehnologija

HRN ISO/IEC 9798-2:2021 en pr
Tehnike sigurnosti IT-a – Autentifikacija subjekta – 2. dio: Mehanizmi koji koriste šifriranje sa zaštitom autentičnosti (ISO/IEC 9798-2:2019)
IT Security techniques – Entity authentication – Part 2: Mechanisms using authenticated encryption (ISO/IEC 9798-2:2019)

HRN ISO/IEC 10118-1:2017/A1:2021 en pr
Informacijska tehnologija – Sigurnosne tehnike – Hash-funkcije – 1. dio: Općenito – Amandman 1: Metode dopune za funkcije upijanja (ISO/IEC 10118-1:2016/Amd 1:2021)
Information technology – Security techniques – Hash-functions – Part 1: General – Amendment 1: Padding methods for sponge functions (ISO/IEC 10118-1:2016/Amd 1:2021)

HRN ISO/IEC 11770-4:2018/A1:2021 en pr
Informacijska tehnologija – Sigurnosne tehnike – Upravljanje ključem – 4. dio: Mehanizmi zasnovani na slabim tajnama – Amandman 1: Neujednačena lozinka – Dogovara je autentifikacijskog ključa u kriptosustavima zasnovanim na identitetu (ISO/IEC 11770-4:2017/Amd 1:2019)
Information technology – Security techniques – Key management – Part 4: Mechanisms based on weak secrets – Amendment 1: Unbalanced Password-Authenticated Key Agreement with Identity-Based Cryptosystems (UPAKA-IBC) (ISO/IEC 11770-4:2017/Amd 1:2019)

HRN ISO/IEC 11770-4:2018/A2:2021 en pr
Informacijska tehnologija – Sigurnosne tehnike – Upravljanje ključem – 4. dio: Mehanizmi zasnovani na slabim tajnama – Amandman 2: Lozinka otporna na curenje – Dogovaranje autentifikacijskog ključa s dodatnim spremljenim tajnama (ISO/IEC 11770-4:2017/Amd 2:2021)
Information technology – Security techniques – Key management – Part 4: Mechanisms based on weak secrets – Amendment 2: Leakage-resilient password-authenticated key agreement with additional stored secrets (ISO/IEC 11770-4:2017/Amd 2:2021)

HRN ISO/IEC 18033-4:2013/A1:2021 en pr
Informacijska tehnologija – Sigurnosne tehnike – Algoritmi šifriranja – 4. dio: Enkripcija toka podataka – Amandman 1: ZUC (ISO/IEC 18033-4:2011/Amd 1:2020)
Information technology – Security techniques – Encryption algorithms – Part 4: Stream ciphers – Amendment 1: ZUC (ISO/IEC 18033-4:2011/Amd 1:2020)

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

HRN EN ISO 3219-1:2021 en pr
Reologija – 1. dio: Rječnik i simboli za rotacijsku i oscilacijsku reometriju (ISO 3219-1:2021; EN ISO 3219-1:2021)
Rheology – Part 1: Vocabulary and symbols for rotational and oscillatory rheometry (ISO 3219-1:2021; EN ISO 3219-1:2021)

HRN EN ISO 8130-2:2021 en pr
Praškasti prekrivni materijali – 2. dio: Određivanje gustoće pomoću plinskog piknometra (referentna metoda) (ISO 8130-2:2021; EN ISO 8130-2:2021)
Coating powders – Part 2: Determination of density by gas comparison pyknometer (reference method) (ISO 8130-2:2021; EN ISO 8130-2:2021)

HRN EN ISO 8130-3:2021 en pr
Praškasti prekrivni materijali – 3. dio: Određivanje gustoće pomoću piknometra istiskivanjem tekućine (ISO 8130-3:2021; EN ISO 8130-3:2021)
Coating powders – Part 3: Determination of density by liquid displacement pyknometer (ISO 8130-3:2021; EN ISO 8130-3:2021)

HRN EN ISO 8130-5:2021 en pr
Praškasti prekrivni materijali – 5. dio: Određivanje svojstava tečenja mješavine prašak/zrak (ISO 8130-5:2021; EN ISO 8130-5:2021)
Coating powders – Part 5: Determination of flow properties of a powder/air mixture (ISO 8130-5:2021; EN ISO 8130-5:2021)

HRN EN ISO 8130-6:2021 en pr
Praškasti prekrivni materijali – 6. dio: Određivanje vremena geliranja termoreaktivnih praškastih prekrivnih materijala pri zadanoj temperaturi (ISO 8130-6:2021; EN ISO 8130-6:2021)
Coating powders – Part 6: Determination of gel time of thermosetting coating powders at a given temperature (ISO 8130-6:2021; EN ISO 8130-6:2021)

HRN EN ISO 8130-8:2021 en pr
Praškasti prekrivni materijali – 8. dio: Procjena stabilnosti termoreaktivnih praškastih prekrivnih materijala pri skladištenju (ISO 8130-8:2021; EN ISO 8130-8:2021)
Coating powders – Part 8: Assessment of the storage stability of thermosetting powders (ISO 8130-8:2021; EN ISO 8130-8:2021)

HRN EN ISO 8130-10:2021 en pr
Praškasti prekrivni materijali – 10. dio: Određivanje učinkovitosti nanošenja (ISO 8130-10:2021; EN ISO 8130-10:2021)
Coating powders – Part 10: Determination of deposition efficiency (ISO 8130-10:2021; EN ISO 8130-10:2021)

HRN EN 12206-1:2021 en pr
Boje i lakovi – Prekrivni materijali za aluminij i aluminijske legure za građevinske potrebe – 1. dio: Prevlake pripremljene od reaktivnih praškastih prekrivnih materijala (EN 12206-1:2021)
Paints and varnishes – Coating of aluminium and aluminium alloys for architectural purposes – Part 1: Coatings prepared from thermosetting coating powder (EN 12206-1:2021)

HZN/TU N1, Nemetalni materijali 1

HRN EN ISO 19630:2021 en pr
Fine ceramics (advanced ceramics, advanced technical ceramics) – Methods of test for reinforcements – Determination of tensile properties of filaments at ambient temperature (ISO 19630:2017; EN ISO 19630:2021)

HRN EN ISO 19634:2021 en pr
Fine ceramics (advanced ceramics, advanced technical ceramics) – Ceramic composites – Notations and symbols (ISO 19634:2017; EN ISO 19634:2021)

HRN EN ISO 20323:2021 en pr
Fine ceramics (advanced ceramics, advanced technical ceramics) – Mechanical properties of ceramic composites at ambient temperature in air atmospheric pressure – Determination of tensile properties of tubes (ISO 20323:2018; EN ISO 20323:2021)

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

HRN EN ISO 10873:2021 en pr
Stomatologija – Sredstva za poboljšanje držanja proteze (ISO 10873:2021; EN ISO 10873:2021)
Dentistry – Denture adhesives (ISO 10873:2021; EN ISO 10873:2021)

HRN EN ISO 11199-2:2021 en pr
Dvoručna pomagala za hodanje – Zahtjevi i metode ispitivanja – 2. dio: Ortopedska kolica za hodanje (rolatori) (ISO 11199-2:2021; EN ISO 11199-2:2021)
Assistive products for walking, manipulated by both arms – Requirements and test methods – Part 2: Rollators (ISO 11199-2:2021; EN ISO 11199-2:2021)

HRN EN ISO 21802:2021 en pr
Pomagala za osobe s invaliditetom – Pristupačnost za osobe s kognitivnim teškoćama – Upravljanje vremenom u svakodnevnom životu (ISO 21802:2019; EN ISO 21802:2021)
Assistive products – Guidelines on cognitive accessibility – Daily time management (ISO 21802:2019; EN ISO 21802:2021)

HRN EN ISO 22748:2021 en pr
Upijajući proizvodi za urinarnu i/ili fekalnu inkontinenciju – Nazivi vrsta proizvoda i ilustracije (ISO 22748:2021; EN ISO 22748:2021)
Absorbent incontinence products for urine and/or faeces – Product type names and illustrations (ISO 22748:2021; EN ISO 22748:2021)

HZN/TU U1, Opća elektrotehnika 1

HRN EN IEC 60695-11-11:2021 en pr
Ispitivanje opasnosti od požara – Dio 11-11: Ispitni plamenovi – Određivanje karakterističnog toplinskog toka za paljenje bez kontakta sa izvorom plamena (IEC 60695-11-11:2021; EN IEC 60695-11-11:2021)
Fire hazard testing – Part 11-11: Test flames – Determination of the characteristic heat flux for ignition from a non-contacting flame source (IEC 60695-11-11:2021; EN IEC 60695-11-11:2021)

HRN EN IEC 60757:2021 en pr
Kod za određivanje boja (IEC 60757:2021; EN IEC 60757:2021)
Code for designation of colours (IEC 60757:2021; EN IEC 60757:2021)

HRN EN 61666:2011/A1:2021 en pr
Industrijski sustavi, instalacije, oprema i industrijski proizvodi – Identificiranje priključaka unutar sustava (IEC 61666:2010/am1:2021; EN 61666:2010/A1:2021)
Industrial systems, installations and equipment and industrial products – Identification of terminals within a system (IEC 61666:2010/am1:2021; EN 61666:2010/A1:2021)

HZN/TU W1, Energetska elektrotehnika 1

HRN EN 50604-1:2016/A1:2021 en pr
Sekundarne litijevе baterije za primjenu na lakim električnim vozilima – 1. dio: Opći zahtjevi za sigurnost i metode ispitivanja (EN 50604-1:2016/A1:2021)
Secondary lithium batteries for light EV (electric vehicle) applications – Part 1: General safety requirements and test methods (EN 50604-1:2016/A1:2021)

HRN EN IEC 60127-8:2021 en pr
Minijaturni osigurači – Otporni osigurači s posebnom nadstrujnom zaštitom (IEC 60127-8:2018; EN IEC 60127-8:2018)
Miniature fuses – Part 8: Fuse resistors with particular overcurrent protection (IEC 60127-8:2018; EN IEC 60127-8:2018)

HRN EN IEC 62282-5-100:2021 en pr
Tehnologija gorivih članaka – Dio 5-100: Energetski sustavi prenosivih gorivih članaka – Sigurnost (IEC 62282-5-100:2018; EN IEC 62282-5-100:2018)
Fuel cell technologies – Part 5-100: Portable fuel cell power systems – Safety (IEC 62282-5-100:2018; EN IEC 62282-5-100:2018)

HRN EN IEC 62282-7-2:2021 en pr
Tehnologija gorivih članaka – Dio 7-2: Metode ispitivanja – Ispitivanja značajki pojedinačnih članaka i slogova za gorive članke s krutim oksidom (SOFC) (IEC 62282-7-2:2021; EN IEC 62282-7-2:2021)
Fuel cell technologies – Part 7-2: Test methods – Single cell and stack performance tests for solid oxide fuel cells (SOFC) (IEC 62282-7-2:2021; EN IEC 62282-7-2:2021)

HRN EN IEC 62841-4-3:2021 en pr
Ručni elektromotorni alati, prijenosni alati i mehanizacija za travnjake i vrtove – Sigurnost – Dio 4-3: Posebni zahtjevi za kosilice koje pješice gura i njima upravlja čovjek (IEC 62841-4-3:2020; EN IEC 62841-4-3:2021)
Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 4-3: Particular requirements for pedestrian controlled walk-behind lawnmowers (IEC 62841-4-3:2020; EN IEC 62841-4-3:2021)

HRN EN IEC 62841-4-3:2021/A11:2021 en pr
Ručni elektromotorni alati, prijenosni alati i mehanizacija za travnjake i vrtove – Sigurnost – Dio 4-3: Posebni zahtjevi za kosilice koje pješice gura i njima upravlja čovjek (EN IEC 62841-4-3:2021/A11:2021)
Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 4-3: Particular requirements for pedestrian controlled walk-behind lawnmowers (EN IEC 62841-4-3:2021/A11:2021)

1.3 Prijedlozi za prihvaćanje stranih norma u izvorniku

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

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

HZN/TO 28, Naftni proizvodi i maziva

EN ISO 8222:2020/prA1 en
Petroleum measurement systems – Calibration – Volumetric measures, proving tanks and field measures (including formulae for properties of liquids and materials) – Amendment 1: Correction of two typographical errors (ISO 8222:2020/DAMd 1:2021)

HZN/TO 44, Zavarivanje i srodni postupci

prEN ISO 17405 en
Non-destructive testing – Ultrasonic testing – Technique of testing claddings produced by welding, rolling and explosion (ISO/DIS 17405:2021)
Nerazorno ispitivanje – Ultrazvučno ispitivanje – Tehnika ispitivanja obloga dobivenih zavarivanjem, valjanjem i eksplozijom (ISO/DIS 17405:2021)

HZN/TO 120, Koža i obuća

prEN ISO 14087 en
Leather – Physical and mechanical tests – Determination of bending force (ISO/DIS 14087:2021)
Koža – Fizikalna i mehanička ispitivanja – Određivanje sile savijanja (ISO/DIS 14087:2021)

HZN/TO 121, Anestetička i respiracijska oprema

prEN ISO 10651-4 en
Lung ventilators – Part 4: Particular requirements for user-powered resuscitators (ISO/DIS 10651-4:2021)
Plućni respiratori – 4. dio: Posebni zahtjevi za balone za ručnu ventilaciju pogonjene ljudskom snagom (ISO/DIS 10651-4:2021)

HZN/TO 126, Duhan i duhanski proizvodi

prEN ISO 12863 en
Standard test method for assessing the ignition propensity of cigarettes (ISO/DIS 12863:2021)
Standardna ispitna metoda za ocjenjivanje svojstva zapaljivosti cigareta (ISO/DIS 12863:2021)

HZN/TO 147, Kvaliteta vode

prEN ISO 16266-2 en
Water quality – Detection and enumeration of *Pseudomonas aeruginosa* – Part 2: Most probable number method (ISO 16266-2:2018)
Kvaliteta vode – Detekcija i brojenje *Pseudomonas aeruginosa* – 2. dio: Metoda najvjerojatnijeg broja (ISO 16266-2:2018)

prEN ISO 20236 en
Water quality – Determination of total organic carbon (TOC), dissolved organic carbon (DOC), total bound nitrogen (TNb) and dissolved bound nitrogen (DNb) after high temperature catalytic oxidative combustion (ISO 20236:2018)

HZN/TO 503, Metalni materijali

prEN ISO 2566-1 en
Steel – Conversion of elongation values – Part 1: Carbon and low alloy steels (ISO/FDIS 2566-1:2021)
Čelik – Konverzija vrijednosti istezljivosti – 1. dio: Ugljični i nisko legirani čelici (ISO/FDIS 2566-1:2021)

prEN ISO 2566-2 en
Steel – Conversion of elongation values – Part 2: Austenitic steels (ISO/FDIS 2566-2:2021)
Čelik – Konverzija vrijednosti istezljivosti – 2. dio: Austenitni čelici (ISO/FDIS 2566-2:2021)

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

- prEN ISO 10715 en
Natural gas – Gas sampling (ISO/DIS 10715:2021)
- prEN 14161 en
Petroleum and natural gas industries – Pipeline transportation systems (ISO 13623:2017; MOD)
Industrija nafte i prirodnoga plina – Sustavi transporta cjevovodima (ISO 13623:2017; MOD)
- prEN 14163 en
Petroleum and natural gas industries – Pipeline transportation systems – Welding of pipelines (ISO 13847:2013; MOD)
Industrija nafte i prirodnog plina – Sustav transporta cjevovodima – Zavarivanje cjevovoda (ISO 13847:2013; MOD)
- prEN 14870-1 rev en
Petroleum and natural gas industries – Induction bends, fittings and flanges for pipeline transportation systems – Part 1: Induction bends (ISO 15590-1:2018; MOD)
Industrija nafte i prirodnog plina – Toplo savijeni lukovi, fitinzi i pribornice za cjevovodne transportne sustave – 1. dio: Toplo savijeni lukovi (ISO 15590-1:2018; MOD)
- prEN 14870-4 en
Petroleum and natural gas industries – Induction bends, fittings and flanges for pipeline transportation systems – Part 4: Factory cold bends (ISO 15590-4:2019; MOD)

HZN/TO 513, Mjerne jedinice i mjerila

- prEN ISO 5167-1 en
Measurement of fluid flow by means of pressure differential devices inserted in circular cross-section conduits running full – Part 1: General principles and requirements (ISO/DIS 5167-1:2021)
Mjerenje protoka fluida u tlačnim cjevovodima kružnoga poprečnog presjeka ugrađnjom elemenata na kojima nastaje razlika tlaka – 1. dio: Opća načela i zahtjevi (ISO/DIS 5167-1:2021)
- prEN ISO 5167-2 en
Measurement of fluid flow by means of pressure differential devices inserted in circular cross-section conduits running full – Part 2: Orifice plates (ISO/DIS 5167-2:2021)
Mjerenje protoka fluida u tlačnim cjevovodima kružnoga poprečnog presjeka ugrađnjom elemenata na kojima nastaje razlika tlaka – 2. dio: Prigušnice (ISO/DIS 5167-2:2021)
- prEN ISO 5167-4 en
Measurement of fluid flow by means of pressure differential devices inserted in circular cross-section conduits running full – Part 4: Venturi tubes (ISO/DIS 5167-4:2021)
Mjerenje protoka fluida u tlačnim cjevovodima kružnoga poprečnog presjeka ugrađnjom elemenata na kojima nastaje razlika tlaka – 4. dio: Venturijeve cijevi (ISO/DIS 5167-4:2021)
- prEN ISO 9300 en
Measurement of gas flow by means of critical flow nozzles (ISO/DIS 9300:2021)
Mjerenje protoka plina pomoću sapnica (ISO/DIS 9300:2021)

HZN/TO 524, Inteligentni transportni sustavi

- prEN 15531-1 en
Public transport – Service interface for real-time information relating to public transport operations – Part 1: Context and framework
Javni prijevoz – Sučelje servisa za informiranje o statusu javnoga prijevoza u realnom vremenu – 1. dio: Okruženje i okvir
- prEN 15531-2 en
Public transport – Service interface for real-time information relating to public transport operations – Part 2: Communications infrastructure
Javni prijevoz – Sučelje servisa za informiranje o statusu javnoga prijevoza u realnom vremenu – 2. dio: Komunikacijska infrastruktura
- prEN 15531-3 en
Public transport – Service interface for real-time information relating to public transport operations – Part 3: Functional service interfaces
Javni prijevoz – Sučelje servisa za informiranje o statusu javnoga prijevoza u realnom vremenu – 3. dio: Funkcionalna sučelja servisa

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

- prEN 14509-5 en
Factory-made double skin metal faced insulating sandwich panels – Part 5: Design methods – Determination criteria for combining actions and spans

HZN/TO 528, Oprema za željeznice

- EN 12663-1:2010+A1:2014/prA2 en
Railway applications – Structural requirements of railway vehicle bodies – Part 1: Locomotives and passenger rolling stock (and alternative method for freight wagons)
Željeznički sustav – Konstrukcijski zahtjevi za sanduk željezničkih vozila – 1. dio: Lokomotive i putnička željeznička vozila (i alternativna metoda za teretne vagonne)
- EN 12663-2:2010/prA1 en
Railway applications – Structural requirements of railway vehicle bodies – Part 2: Freight wagons
Željeznički sustav – Konstrukcijski zahtjevi za sanduk željezničkih vozila – 2. dio: Teretni vagoni
- prEN 15085-1 en
Railway applications – Welding of railway vehicles and components – Part 1: General
Željeznički sustav – Zavarivanje željezničkih vozila i sastavnih dijelova – 1. dio: Općenito

HZN/TO 531, Plastika i guma

- prEN ISO 16396-1 en
Plastics – Polyamide (PA) moulding and extrusion materials – Part 1: Designation system and basis for specifications (ISO/DIS 16396-1:2021)
Plastika – Poliamidni (PA) materijali za injekcijsko prešanje i ekstruziju – 1. dio: Sustav oznaka i osnove specifikacija (ISO/DIS 16396-1:2021)
- prEN ISO 22403 en
Plastics – Assessment of the intrinsic biodegradability of materials exposed to marine inocula under mesophilic aerobic laboratory conditions – Test methods and requirements (ISO 22403:2020)
- prEN ISO 22404 en
Plastics – Determination of the aerobic biodegradation of non-floating materials exposed to marine sediment – Method by analysis of evolved carbon dioxide (ISO 22404:2019)
- prEN ISO 22526-1 en
Plastics – Carbon and environmental footprint of biobased plastics – Part 1: General principles (ISO 22526-1:2020)
- prEN ISO 22526-2 en
Plastics – Carbon and environmental footprint of biobased plastics – Part 2: Material carbon footprint, amount (mass) of CO₂ removed from the air and incorporated into polymer molecule (ISO 22526-2:2020)
- prEN ISO 22526-3 en
Plastics – Carbon and environmental footprint of biobased plastics – Part 3: Process carbon footprint, requirements and guidelines for quantification (ISO 22526-3:2020)
- prEN ISO 22766 en
Plastics – Determination of the degree of disintegration of plastic materials in marine habitats under real field conditions (ISO 22766:2020)
- prEN ISO 23977-1 en
Plastics – Determination of the aerobic biodegradation of plastic materials exposed to seawater – Part 1: Method by analysis of evolved carbon dioxide (ISO 23977-1:2020)
- prEN ISO 23977-2 en
Plastics – Determination of the aerobic biodegradation of plastic materials exposed to seawater – Part 2: Method by measuring the oxygen demand in closed respirometer (ISO 23977-2:2020)

HZN/TO 533, Kolničke konstrukcije

- prEN 12272-1 en
Surface dressing – Test methods – Part 1: Rate of spread and accuracy of spread of binder and chippings
Površinska obrada – Metode ispitivanja – 1. dio: Doziranje i preciznost doziranja veziva i zrnja

prEN 12272-3 en
Surface dressing – Test methods – Part 3: Determination of binder aggregate adhesivity by the Vialit plate shock test method
Površinska obrada – Metode ispitivanja – 3. dio: Određivanje prionljivosti veziva i agregata Vialitovom metodom ispitivanja

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

prEN ISO 13349 en
Fans – Vocabulary and definitions of categories (ISO/DIS 13349:2021)
Ventilatori – Terminološki rječnik i definicije skupina (ISO/DIS 13349:2021)

prEN ISO 29461-7 en
Air filter intake systems for rotary machinery – Test methods – Part 7: Filter element endurance test in fog and mist environments (ISO/DIS 29461-7:2021)

HZN/TO 553, Predgotovljeni proizvodi

prEN ISO 10545-20 en
Ceramic tiles – Test methods – Part 20: Determination of deflection of ceramic tiles for calculating their radius of curvature (ISO/DIS 10545-20:2021)

HZN/TO 555, Medicinski proizvodi

prEN ISO 11140-6 en
Sterilization of health care products – Chemical indicators – Part 6: Type 2 indicators and process challenge devices for use in performance testing of small steam sterilizers (ISO/DIS 11140-6:2021)

HZN/TO 560, Tekstilni proizvodi

prEN 15618 en
Rubber-or plastic-coated fabrics – Upholstery fabrics – Classification and methods of test
Plošni tekstil naslojen gumom ili plastikom – Plošni tekstil za namještaj – Razredba i metode ispitivanja

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

prEN 12952-3 en
Water-tube boilers and auxiliary installations – Part 3: Design and calculation for pressure parts of the boiler
Vodocijevni kotlovi i pomoćne instalacije – 3. dio: Projektiranje i proračun dijelova kotla pod tlakom

HZN/TO 562, Alatni strojevi i alati

prEN ISO 19085-4 en
Woodworking machines – Safety – Part 4: Vertical panel circular sawing machines (ISO/DIS 19085-4:2021)
Strojevi za obradu drva – Sigurnost – 4. dio: Vertikalne kružne pile za ploče (ISO/DIS 19085-4:2021)

prEN ISO 19085-8 en
Woodworking machines – Safety – Part 8: Belt sanding and calibrating machines for straight workpieces (ISO/DIS 19085-8:2021)
Strojevi za obradu drva – Sigurnost – 8. dio: Tračne brusilice i strojevi za kalibriranje ravnih obradaka (ISO/DIS 19085-8:2021)

HZN/TO 563, Sigurnost strojeva

prEN ISO 12643-5 en
Graphic technology – Safety requirements for graphic technology equipment and systems – Part 5: Manually-fed stand-alone platen presses (ISO/DIS 12643-5:2021)
Grafička tehnologija – Sigurnosni zahtjevi za opremu i sustave za grafičku tehnologiju – 5. dio: Samostalni zaklopni strojevi s ručnim sustavom (ISO/DIS 12643-5:2021)

prEN ISO 13849-1 en
Safety of machinery – Safety-related parts of control systems – Part 1: General principles for design (ISO/DIS 13849-1:2020)
Sigurnost strojeva – Sigurnosni dijelovi sustava za nadzor – 1. dio: Osnovna načela za projektiranje (ISO/DIS 13849-1:2020)

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

EN ISO 21872-1:2017/prA1 en
Microbiology of the food chain – Horizontal method for the determination of *Vibrio* spp. – Part 1: Detection of potentially enteropathogenic *Vibrio parahaemolyticus*, *Vibrio cholerae* and *Vibrio vulnificus* – Amendment 1: Performance testing for the media ASPW, TCBS and SNA (ISO 21872 1:2017/DAmD 1:2021)

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

prEN ISO 23537-1 en
Requirements for sleeping bags – Part 1: Thermal, mass and dimensional requirements for sleeping bags designed for limit temperatures of -20°C and higher (ISO/DIS 23537-1:2021)

HZN/TO E9, Električna oprema za željeznicu

prEN 50121-3-1:2021 en
Railway applications – Electromagnetic compatibility – Part 3-1: Rolling stock – Train and complete vehicle
Željeznički sustav – Elektromagnetska kompatibilnost – Dio 3-1: Željeznička vozila – Vlak i cijelo vozilo

prEN 50121-3-2 en
Railway applications – Electromagnetic compatibility – Part 3-2: Rolling stock – Apparatus
Željeznički sustav – Elektromagnetska kompatibilnost – Dio 3-2: Željeznička vozila – Uređaji

prEN 50121-4:2021 en
Railway applications – Electromagnetic compatibility – Part 4: Emission and immunity of the signalling and telecommunications apparatus
Željeznički sustav – Elektromagnetska kompatibilnost – 4. dio: Emisija i otpornost signalnih i telekomunikacijskih uređaja

prEN 50121-5:2021 en
Railway applications – Electromagnetic compatibility – Part 5: Emission and immunity of fixed power supply installations and apparatus
Željeznički sustav – Elektromagnetska kompatibilnost – 5. dio: Emisija i otpornost stabilnih postrojenja i uređaja za napajanje

prEN 50122-1 en
Railway applications – Fixed installations – Electrical safety, earthing and the return circuit – Part 1: Protective provisions against electric shock
Željeznički sustav – Stabilna postrojenja – Električna sigurnost, uzemljivanje i povratni krug – 1. dio: Zaštitne mjere protiv električnog udara

prEN 50122-2 en
Railway applications – Fixed installations – Electrical safety, earthing and the return circuit – Part 2: Provisions against the effects of stray currents caused by DC traction systems
Željeznički sustav – Stabilna postrojenja – Električna sigurnost, uzemljivanje i povratni krug – 2. dio: Mjere protiv učinaka lutajućih struja od istosmjernih sustava vuče

prEN 50122-3 en
Railway applications – Fixed installations – Electrical safety, earthing and the return circuit – Part 3: Mutual Interaction of AC and DC traction systems
Željeznički sustav – Stabilna postrojenja – Električna sigurnost, uzemljivanje i povratni krug – 3. dio: Međusobno djelovanje izmjeničnih i istosmjernih sustava vuče

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

EN IEC 62052-11:2021/prAA en
Electricity metering equipment – General requirements, tests and test conditions – Part 11: Metering equipment
Električna brojila za izmjeničnu struju – Opći zahtjevi, ispitivanja i ispitni uvjeti – 11. dio: Mjerna oprema

prEN IEC 62052-41-ED1:2021 en
Electricity metering equipment – General requirements, tests and test conditions – Part 41: Energy registration methods and requirements for multi-energy and multi-rate meters (IEC 62052-41-ED1:202X)

HZN/TO E15, Čvrsti elektrotehnički izolacijski materijali

EN 60763-2:2007/prA1:2021 en
Amendment 1: Specification for laminated pressboard
– Part 2: Methods of test (IEC 60763-2/am1:202X)
Amendment 1: Specifikacija za laminirane prešane ploče
– 2. dio: Metode ispitivanja (IEC 60763-2/am1:202X)

HZN/TO E20, Električni kabeli

prEN 50214 en
Flat flexible cables
Plosnati savitljivi kabeli

prEN 50576 en
Electric cables – Extended application of test results for
reaction to fire
Električni kabeli – Proširena primjena rezultata ispitivanja za
reakciju na vatru

EN 50620:2017/prA2 en
Electric cables – Charging cables for electric vehicles
Električni kabeli – Kabeli za punjenje električnih vozila

HZN/TO E61, Sigurnost električnih kućanskih i sličnih aparata

EN 60335-2-31:2014/prA2:2021 en
Household and similar electrical appliances – Safety
– Part 2-31: Particular requirements for range hoods and other
cooking fume extractors (IEC 60335-2-31:2012/am2:2018)
Kućanski i slični električni aparati – Sigurnost – Dio 2-31:
Posebni zahtjevi za kuhinjske usisne nape i
druge uređaje za izvlačenje plinova izgaranja
(IEC 60335-2-31:2012/am2:2018)

EN 60335-2-31:2014/prAA:2021 en
Household and similar electrical appliances – Safety
– Part 2-31: Particular requirements for range hoods and
other cooking fume extractors
Kućanski i slični električni aparati – Sigurnost – Dio 2-31:
Posebni zahtjevi za kuhinjske usisne nape i druge uređaje za
izvlačenje plinova izgaranja

HZN/TO E62, Električna oprema u medicinskoj praksi

prEN IEC 60601-2-33:2021 en
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 ED4)
Medicinski električni uređaji – Dio 2-33: Posebni zahtjevi
za osnovnu sigurnost i bitne radne značajke dijagnostičkih
uređaja za magnetsku rezonancu (IEC 60601-2-33 ED4)

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

prEN IEC 61158-1:2021 en
Industrial communication networks – Fieldbus specifications
– Part 1: Overview and guidance for the IEC 61158 and
IEC 61784 series (IEC 61158-1:202X)
Industrijske komunikacijske mreže – Specifikacije industrijske
sabirnice (fieldbus) – 1. dio: Pregled i smjernice za niz norma
IEC 61158 i 61784 (IEC 61158-1:202X)

prEN IEC 61158-2:2021 en
Industrial communication networks – Fieldbus specifications
– Part 2: Physical layer specification and service definition
(IEC 61158-2:202X)
Industrijske komunikacijske mreže – Specifikacije industrijske
sabirnice (fieldbus) – 2. dio: Specifikacija fizičkog sloja OSI
referentnog modela i definicija usluge (IEC 61158-2:202X)

prEN IEC 61158-3-X:2021 en
Industrial communication networks – Fieldbus specifications
– Part 3-X: Data-link layer service definition – Type X elements
(IEC 61158-3-X:202X)

prEN IEC 61158-4-X:2021 en
Industrial communication networks – Fieldbus specifications
– Part 4-X: Data-link layer protocol specification
– Type X elements (IEC 61158-4-X:202X)

prEN IEC 61158-5-X:2021 en
Industrial communication networks – Fieldbus specifications
– Part 5-X: Application layer service definition – Type X
elements (IEC 61158-5-X:202X)

prEN IEC 61158-6-X:2021 en
Industrial communication networks – Fieldbus specifications
– Part 6-X: Application layer protocol specification
– Type X elements (IEC 61158-6-X:202X)

prEN IEC 61158-X-27:2021 en
Industrial communication networks – Fieldbus specifications
and Profiles – Type 27 elements (MECHATROLINK)
(IEC 61158-X-27:202X)

prEN IEC 61158-X-28:2021 en
Industrial communication networks – Fieldbus specifications
and Profiles – Type 28 elements (AUTBUS) (IEC 61158-X-28:202X)

prEN IEC 61784-1-22:2021 en
Industrial networks – Profiles – Part 1-22: Fieldbus profiles
– Communication Profile Family 22 (IEC 61784-1-22:202X)

prEN IEC 61784-1-X:2021 en
Industrial networks – Profiles – Part 1-X: Fieldbus profiles
(IEC 61784-1-X:202X)

prEN IEC 61784-2-19:2021 en
Industrial networks – Profiles – Part 2-19: Additional real-time
fieldbus profiles based on ISO/IEC/IEEE 8802-3 – CPF 19
(IEC 61784-2-19:202X)

prEN IEC 61784-2-X:2021 en
Industrial networks – Profiles – Part 2-X: Additional
real-time fieldbus profiles based on ISO/IEC/IEEE 8802-3
(IEC 61784-2-X:202X)

prEN IEC 62453-309:2021 en
Field device tool (DFT) interface specification – Part 309:
Communication profile integration – IEC 61784 CPF 9
(IEC 62453-309 ED3)
Specifikacija sučelja alata za uređaje u postrojenju (FDT)
– Dio 309: Integracija komunikacijskog profila – IEC 61784
CPF 9 (IEC 62453-309 ED3)

HZN/TO E76, Sigurnost optičkoga zračenja i laserska oprema

prEN IEC 62471-6:2021 en
Photobiological Safety of Ultraviolet Lamp Products
(IEC 62471-6 ED1)

HZN/TO E88, Vjetroagregati

prEN IEC 61400-21-2:2021 en
Wind energy generation systems – Part 21-2: Measurement
and assessment of electrical characteristics – Wind power
plants (IEC 61400-21-2 ED1)
Sustavi za proizvodnju energije iz vjetra – Dio 21-2: Mjerenje
i procjena električnih karakteristika – Vjetroelektrane
(IEC 61400-21-2 ED1)

HZN/TO T4, Normizacija u telekomunikacijama

Draft EN 302 065-3-1 V3.1.0:2021 en
Short Range Devices (SRD) using Ultra Wide Band technology
(UWB) – Harmonised standard for access to radio spectrum
– Part 3: UWB devices installed in motor and railway vehicles
– Sub-part 1: Requirements for UWB devices for vehicular
access systems
Uređaji kratkog dometa (SRD) koji upotrebljavaju
ultraširokopojasnu tehnologiju (UWB) – Harmonizirana norma
za pristup radijskom spektru – Dio 3: UWB uređaji ugrađeni
u motorna i željeznička vozila – 1. poddio: Zahtjevi za UWB
uređaje za sustave za pristup vozilima

Draft EN 302 065-4-1 V2.1.0:2021 en
Short Range Devices (SRD) using Ultra Wide Band technology
(UWB) – Harmonised Standard for access to radio spectrum
– Part 4: Material Sensing devices – Sub-part 1: Building
material analysis below 10,6 GHz
Uređaji kratkoga dometa (SRD) koji upotrebljavaju ultra
širokopojasnu tehnologiju (UWB) – Harmonizirana norma za
pristup radijskom spektru – 4. dio: Uređaji osjetljivi na material
– 1. poddio: Analiza građevinskog materijala ispod 10,6 GHz

Draft EN 303 722 V1.1.0:2021 en
Wideband Data Transmission Systems (WDTS) for Fixed
Network Radio Equipment operating in the 57 GHz to 71 GHz
band – Harmonised Standard for access to radio spectrum
Širokopojasni sustavi za prijenos podataka (WDTS) za
radijsku opremu nepokretne mreže koja radi u opsegu od
57 GHz do 71 GHz – Harmonizirana norma za pristup
radijskom spektru

Draft EN 319 102-1 V1.2.3:2021 en
Electronic Signatures and Infrastructures (ESI) – Procedures for Creation and Validation of AdES Digital Signatures – Part 1: Creation and Validation
Elektronički potpisi i infrastrukture (ESI) – Postupci za kreiranje i vrednovanje AdES digitalnih potpisa – 1. dio: Kreiranje i vrednovanje

Draft EN 319 122-1 V1.1.5:2021 en
Electronic Signatures and Infrastructures (ESI) – CAAdES digital signatures – Part 1: Building blocks and CAAdES baseline signatures
Elektronički potpisi i infrastrukture (ESI) – CAAdES digitalni potpisi – 1. dio: Gradbeni blokovi i CAAdES osnovni potpisi

Draft EN 319 411-2 V2.3.3:2021 en
Electronic Signatures and Infrastructures (ESI) – Policy and security requirements for Trust Service Providers issuing certificates – Part 2: Requirements for trust service providers issuing EU qualified certificates
Elektronički potpisi i infrastrukture (ESI) – Zahtjevi općih pravila i zahtjevi sigurnosti za vjerodostojne davatelje usluga certificiranja – 2. dio: Zahtjevi za opća pravila za certifikacijska tijela koja izdaju kvalificirane certifikate

HZN/TO Z1, Informacijska tehnologija

prEN 17640 en
Fixed time cybersecurity evaluation methodology for ICT products

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

prEN ISO 24199 en
Vapour products – Determination of nicotine in vapour product emissions – Gas chromatographic method (ISO/DIS 24199:2021)

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

prEN ISO 8130-4 en
Coating powders – Part 4: Calculation of lower explosion limit (ISO/DIS 8130-4:2021)
Praškasti prekrivni materijali – 4. dio: Izračunavanje donje granice eksplozivnosti (ISO/DIS 8130-4:2021)

prEN ISO 19403-1 en
Paints and varnishes – Wettability – Part 1: Terminology and general principles (ISO/DIS 19403-1:2021)
Boje i lakovi – Kvašenje – 1. dio: Nazivlje i opća načela (ISO/DIS 19403-1:2021)

prEN ISO 22553-13 en
Paints and varnishes – Electro-deposition coatings – Part 13: Determination of re-solving behaviour (ISO 22553-13:2021)

prEN ISO 22553-14 en
Paints and varnishes – Electro-deposition coatings – Part 14: Deposition behaviour (ISO 22553-14:2021)

HZN/TU I2, Strojarstvo 2

prEN ISO 13577-2 en
Industrial furnaces and associated processing equipment – Safety – Part 2: Combustion and fuel handling systems
Oprema za toplinske postupke u industriji – 2. dio: Sigurnosni zahtjevi za sustave za izgaranje i dovod goriva

prEN ISO 13577-4 en
Industrial furnaces and associated processing equipment – Safety – Part 4: Protective systems (ISO/DIS 13577-4:2021)

prEN 16510-2-6 en
Residential solid fuel burning appliances – Part 2-6: Mechanically by wood pellets fed roomheaters, inset appliances and cookers

prEN 17692 en
Central heating boilers – Main specification for indirectly heated unvented (closed) metallic pressurized buffer tanks – Requirements, testing and marking

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

EN 455-1:2020/prA1 en
Medical gloves for single use – Part 1: Requirements and testing for freedom from holes
Medicinske rukavice za jednokratnu upotrebu – 1. dio: Zahtjevi i ispitivanje na postojanje rupa

prEN ISO 21535 en
Non-active surgical implants – Joint replacement implants – Specific requirements for hip-joint replacement implants (ISO/DIS 21535:2021)
Neaktivni kirurški implantati – Implantati za zamjenu zgloba – Posebni zahtjevi za implantate za zamjenu kuka (ISO/DIS 21535:2021)

prEN ISO 21536 en
Non-active surgical implants – Joint replacement implants – Specific requirements for knee-joint replacement implants (ISO/DIS 21536:2021)
Neaktivni kirurški implantati – Implantati za zamjenu zgloba – Posebni zahtjevi za implantate za zamjenu zgloba koljena (ISO/DIS 21536:2021)

prEN ISO 22674 en
Dentistry – Metallic materials for fixed and removable restorations and appliances (ISO/DIS 22674:2021)
Stomatologija – Metalni materijali za fiksne i mobilne restoracije i naprave (ISO/DIS 22674:2021)

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

prEN 2713-012 en
Aerospace series – Cables, electrical, single and multicore for general purpose – Operating temperatures between -55 °C and 200 °C – Part 012: MNA (1 core), MNB (pair), MNC (3 cores), MND (4 cores), cables family – Silver-plated copper screened (spiral) and jacketed, UV laser printable – Product standard
Zrakoplovstvo – Kabeli, električni, jednožilni i višežilni za opću upotrebu – Radna temperatura između -55 °C i 200 °C – Dio 012: MNA (jednožilni), MNB (par), MNC (trožilni), MND (četverožilni), porodica kablova – Obloženi posrebljenim bakrenim žicama (spiralno), za ispis UV laserskim pisačem – Norma za proizvod

prEN 2821 en
Aerospace series – Steel X5CrNiCu15 5 (1.4545) – Consumable electrode remelted – Solution treated and precipitation treated – Bars for machining – a or D ≤ 200 mm – Rm ≥ 1 310 MPa
Zrakoplovstvo – Čelik X5CrNiCu15 5 (1.4545) – Pretopljen topljivom elektrodom – Tretiran otopinom i precipitatom – Šipke za strojnu obradu – a ili D ≤ 200 mm – Rm ≥ 1 310 MPa

prEN 2996-006 en
Aerospace series – Circuit breakers, three-poles, temperature compensated, rated currents 1 A to 25 A – Part 006: 6,3 & 2,8 mm blade terminal – With polarized signal contact – Product standard

prEN 3311 en
Aerospace series – Titanium alloy Ti-P64001 (Ti-6Al-4V) – Annealed – Bars for machining – D < 300 mm – 900 MPa ≤ Rm ≤ 1 160 MPa
Zrakoplovstvo – Legura titana Ti-P64001 (Ti-6Al-4V) – Kaljeni – Šipke za strojnu obradu – D < 300 mm – 900 MPa ≤ Rm ≤ 1 160 MPa

prEN 3475-705 en
Aerospace series – Cables, electrical, aircraft use – Part 705: Contrast measurement
Zrakoplovstvo – Električni kabeli za upotrebu u zrakoplovstvu – 705. dio: Mjerenje kontrasta

prEN 3645-001 en
Aerospace series – Connectors, electrical, circular, scoop-proof, triple start threaded coupling, operating temperature 175 °C or 200 °C continuous – Part 001: Technical specification
Zrakoplovstvo – Spojnice, električne, okrugle, sa zaštitnim plaštom za pinove, za spajanje pomoću trostrukog navoja, stalne radne temperature 175 °C ili 200 °C – Dio 001: Tehničke specifikacije

prEN 3774-004 en
Aerospace series – Circuit breakers, three-pole, temperature compensated, rated currents 1 A to 25 A – Part 004: UNC thread terminals – Product standard
Zrakoplovstvo – Automatski osigurači, trolpolni, temperaturno kompenzirani, nazivnih struja 1 A do 25 A – Dio 004: Terminali s UNC navojima – Norma za proizvod

prEN 4529-003 en
Aerospace series – Elements of electrical and optical connection – Sealing plugs – Part 003: Class T – Product standard
Zrakoplovstvo – Elementi električne i optičke veze – Utikač za brtvljenje – Dio 003: Razreda T – Norma za proizvod

prEN 4530-002 en
Aerospace series – Sealing sleeves used in elements of connection – Part 002: List and utilization of sealing sleeves
Zrakoplovstvo – Čahure za brtvljenje koje se upotrebljavaju u elementima povezivanja – Dio 002: Popis i upotreba rukava za brtvljenje

prEN 4708-002 en
Aerospace series – Sleeving, heat-shrinkable, for binding, insulation and identification – Part 002: Index of Product standards

prEN 4708-204 en
Aerospace series – Sleeves, heat-shrinkable, for binding, insulation and identification – Part 204: Limited fire hazard identification sleeves – Operating Temperature range -40 °C to 105 °C – Product Standard

prEN 4840-103 en
Aerospace series – Heat shrinkable moulded shapes – Part 103: Fluoroelastomeric, temperature range -55 °C to 200 °C – Product Standard

prEN 6024 en
Aerospace series – Screws, 100° countersunk reduced head offset cruciform recess close tolerance shank, short thread in titanium alloy, anodized MoS2 lubricated – Classification: 1 100 MPa (at ambient temperature)/315 °C – Inch series

prEN 6042 en
Aerospace series – Organic compounds – Test method – Analysis by infrared spectroscopy

prEN 6095 en
Aerospace series – Rotary fasteners – Structural and non-structural applications – Technical specification

prEN 16603-20-07 en
Space engineering – Electromagnetic compatibility
Svemirsko inženjerstvo – Elektromagnetska kompatibilnost

prEN 16603-50-21 en
Space engineering – Adoption Notice of CCSDS 131.0-B-3, TM Synchronization and Channel Coding, Issue 3, September 2017

prEN 16603-50-22 en
Space engineering – Adoption Notice of CCSDS 132.0-B-2, TM Space Data Link Protocol, Issue2, September 2015

prEN 16603-50-23 en
Space engineering – Adoption Notice of CCSDS 732.0-B-3, AOS Space Data Link Protocol, Issue 3, September 2015

prEN 16603-50-24 en
Space engineering – Adoption Notice of CCSDS 231.0-B-3, TC Synchronization and Channel Coding, Issue 3, September 2017

prEN 16603-50-25 en
Space engineering – Adoption Notice of CCSDS 232.0-B-3, TC Space Data Link Protocol, Issue 3, September 2015

prEN 16603-50-26 en
Space engineering – Adoption Notice of CCSDS 232.1-B-2, Communications Operation Procedure-1, Issue 2, September 2010

HZN/TU V1, *Elektronika 1*

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

EN IEC 60793-2-10:2019/prA1:2021 en
Optical fibres – Part 2-10: Product specifications – Sectional specification for category A1 multimode fibres (IEC 60793-2-10/am1 ED7)

EN IEC 61215-1-2:2021/prA1:2021 en
Terrestrial photovoltaic (PV) modules – Design qualification and type approval – Part 1-2: Special requirements for testing of thin-film Cadmium Telluride (CdTe) based photovoltaic (PV) modules (IEC 61215-1-2/am1:202X)

prEN IEC 61300-3-33:2021 en
Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 3-33: Examinations and measurements – Withdrawal force from a resilient alignment sleeve using pin gauges (IEC 61300-3-33 ED3)

prEN IEC 61753-089-02:2021 en
Fibre optic interconnecting devices and passive components – Performance standard – Part 089-02: Non-connectorised single-mode bidirectional OTDR monitoring WWDM for categorie C – Indoor controlled environment (IEC 61753-089-02 ED1)

prEN IEC 61753-091-02:2021 en
Fibre optic interconnecting devices and passive components – Performance standard – Part 091-02: Non-connectorised 3-port incompletely circulated single-mode fibre optic circulators for category C – Controlled environments (IEC 61753-091-02 ED1)

prEN IEC 62077:2021 en
Fibre optic interconnecting devices and passive components – Fibre optic circulators – Generic specification (IEC 62077:202X)

prEN IEC 62228-7:2021 en
Integrated circuits – EMC evaluation of transceivers – Part 7: CXPI transceivers (IEC 62228-7 ED1)

prEN IEC 62496-4-3:2021 en
Optical circuit boards – Part 4-3: Interface standards – Terminated waveguide OCB assembly using a single-row thirty-two-channel PMT connector intermateable with 250 µm pitch MPO 16 (IEC 62496-4-3:202X)

prEN IEC 63267-1:2021 en
Fibre optic interconnecting devices and passive components – Connector optical interfaces for enhanced macro bend loss multimode fibres – Part 1: Optical interfaces for 50 µm core diameter fibres – General and guidance (IEC 63267-1:202X)

HZN/TU W1, *Energetska elektrotehnika 1*

EN 60436:2020/prAB en
Electric dishwashers for household use – Methods for measuring the performance
Električne perilice posuđa za kućansku uporabu – Metode za mjerenje radnih značajka

1.4 Povučene hrvatske norme

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

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

HZN/TO 8, Brodogradnja

- HRN EN ISO 8847:2017 en
Mala plovila – Kormilarski uređaj – Sustavi užadi i užnica (ISO 8847:2004; EN ISO 8847:2017)
Small craft – Steering gear – Cable and pulley systems (ISO 8847:2004; EN ISO 8847:2017)
- zamijenjena s: HRN EN ISO 8847:2021

HZN/TO 28, Naftni proizvodi i maziva

- HRN EN 15692:2010 en
Etanol kao komponenta za namješavanje u benzin – Određivanje udjela vode – Metoda potenciometrijske titracije po Karl Fischeru (EN 15692:2009)
Ethanol as a blending component for petrol – Determination of water content – Karl Fischer potentiometric titration method (EN 15692:2009)
- zamijenjena s: HRN EN 15692:2021
- HRN EN ISO 22854:2016 en
Tekući naftni proizvodi – Određivanje vrste ugljikovodika i oksigenata u benzinu i etanolu (E85) kao gorivu gorivu za motorna vozila – Metoda višedimenzionalne plinske kromatografije (ISO 22854:2016; EN ISO 22854:2016)
Liquid petroleum products – Determination of hydrocarbon types and oxygenates in automotive-motor gasoline and in ethanol (E85) automotive fuel – Multidimensional gas chromatography method (ISO 22854:2016; EN ISO 22854:2016)
- zamijenjena s: HRN EN ISO 22854:2021

HZN/TO 43, Akustika

- HRN ISO 6798:2000 en
Akustika – Pravila za mjerenje buke klipnih motora s unutrašnjim izgaranjem (ISO 6798:1995)
Acoustics – Test code for the measurement of airborne noise emitted by reciprocating internal combustion engines (ISO 6798:1995)
- bez zamjene
- HRN EN ISO 10052:2006 en
Akustika – Terenska mjerenja zračne i udarne zvučne izolacije i zvuka servisne opreme – Metoda pregleda (ISO 10052:2004; EN ISO 10052:2004)
Acoustics – Field measurements of airborne and impact sound insulation and of service equipment sound – Survey method (ISO 10052:2004; EN ISO 10052:2004)
- zamijenjena s: HRN EN ISO 10052:2021
- HRN EN ISO 10052:2006/A1:2010 en
Akustika – Terenska mjerenja zračne i udarne zvučne izolacije i zvuka servisne opreme – Metoda pregleda – Amandman 1 (ISO 10052:2004/Amd 1:2010; EN ISO 10052:2004/A1:2010)
Acoustics – Field measurements of airborne and impact sound insulation and of service equipment sound – Survey method – Amendment 1 (ISO 10052:2004/Amd 1:2010; EN ISO 10052:2004/A1:2010)
- zamijenjena s: HRN EN ISO 10052:2021

HZN/TO 44, Zavarivanje i srodni postupci

- HRN EN ISO 12224-3:2004 en
Žica za meko lemljenje, puna i taliom punjena – Specifikacije i metode ispitivanja – 3. dio: Ispitna metoda kvašenja za određivanje učinkovitosti taliom punjenih žica za meko lemljenje (ISO 12224-3:2003; EN ISO 12224-3:2003)
Solder wire, solid and flux cored – Specifications and test methods – Part 3: Wetting balance test method for flux core solder wire efficacy (ISO 12224-3:2003; EN ISO 12224-3:2003)
- bez zamjene

- HRN EN ISO 14329:2004 en
Elektrootporno zavarivanje – Razorno ispitivanje zavara – Vrste pogrešaka i geometrijska mjerenja točkastih, šavnih i bradavičastih elektrootporno zavarenih spojeva (ISO 14329:2003; EN ISO 14329:2003)
Resistance welding – Destructive test of welds – Failure types and geometric measurements for resistance spot, seam and projection welds (ISO 14329:2003; EN ISO 14329:2003)
- bez zamjene

- HRN EN 15339-2:2008 en
Toplinsko naštrcavanje – Sigurnosni zahtjevi za opremu za toplinsko naštrcavanje – 2. dio: Uređaji za kontrolu plinova (EN 15339-2:2007)
Thermal spraying – Safety requirements for thermal spraying equipment – Part 2: Gas control units (EN 15339-2:2007)
- zamijenjena s: HRN EN 15339-2:2021

- HRI CEN ISO/TR 20172:2010 en
Zavarivanje – Sustavi razvrstavanja materijala – Europski materijali (ISO/TR 20172:2009; CEN ISO/TR 20172:2009)
Welding – Grouping systems for materials – European materials (ISO/TR 20172:2009; CEN ISO/TR 20172:2009)
- zamijenjena s: HRI CEN ISO/TR 20172:2021

HZN/TO 54, Eterična ulja

- HRN ISO 3044:2004 en
Ulje biljke Eucalyptus citriodora Hook (ISO 3044:1997)
Oil of Eucalyptus citriodora Hook (ISO 3044:1997)
- zamijenjena s: HRN ISO 3044:2021
- HRN ISO 3140:2013 en
Ulje slatke naranče [Citrus sinensis (L.) Osbeck] dobiveno fizičkom ekstrakcijom kore (ISO 3140:2011)
Oil of sweet orange [Citrus sinensis (L.) Osbeck], obtained by physical extraction of the peel (ISO 3140:2011)
- zamijenjena s: HRN ISO 3140:2021
- HRN ISO 3475:2005 en
Ulje ploda anisa (Pimpinella anisum L.) (ISO 3475:2002)
Oil of aniseed (Pimpinella anisum L.) (ISO 3475:2002)
- zamijenjena s: HRN ISO 3475:2021
- HRN ISO 4720:2017 en,fr
Eterična ulja – Nomenklatura (ISO 4720:2009)
Essential oils – Nomenclature (ISO 4720:2009)
- zamijenjena s: HRN ISO 4720:2021
- HRN ISO 4727:2005 en
Ulje palmaroze [Cymbopogon martinii (Roxburgh) W. Watson var. motia] (ISO 4727:1988)
Oil of palmarosa [Cymbopogon martinii (Roxburgh) W. Watson var. motia] (ISO 4727:1988)
- zamijenjena s: HRN ISO 4727:2021
- HRN ISO 7358:2005 en
Ulja bergamota, limuna, četruna i limete s potpuno ili djelomično odstranjenim bergaptenom – Određivanje količine bergaptena metodom tekućinske kromatografije visokog učinka (HPLC) (ISO 7358:2002)
Oil of bergamot, lemon, citron and lime, fully or partially reduced in bergapten – Determination of bergapten content by high-pressure liquid chromatography (HPLC) (ISO 7358:2002)
- zamijenjena s: HRN ISO 7358:2021
- HRN ISO 14715:2011 en
Ulje timijana koje sadrži timol, španjolski tip [Thymus zygis (Loefl.) L.] (ISO 14715:2010)
Oil of thyme containing thymol, Spanish type [Thymus zygis (Loefl.) L.] (ISO 14715:2010)
- zamijenjena s: HRN ISO 19817:2021
- HRN ISO 19332:2008 en
Ulje kamilice (Chamomilla recutita (L.) Rauschert syn. Matricaria chamomilla auct.) (ISO 19332:2007)
Oil of blue chamomile (Chamomilla recutita (L.) Rauschert syn. Matricaria chamomilla auct.) (ISO 19332:2007)
- zamijenjena s: HRN ISO 19332:2021

HZN/TO 71, Beton

- HRN EN 12390-13:2013 en
Ispitivanje očvrsloga betona – 13. dio: Određivanje sekantnog modula elastičnosti pri tlaku (EN 12390-13:2013)
Testing hardened concrete – Part 13: Determination of secant modulus of elasticity in compression (EN 12390-13:2013)
- zamijenjena s: HRN EN 12390-13:2021

HRN EN 12504-2:2012 en
Ispitivanje betona u konstrukcijama – 2. dio: Nerazorno ispitivanje – Određivanje indeksa sklerometra (EN 12504-2:2012)
Testing concrete in structures – Part 2: Non-destructive testing – Determination of rebound number (EN 12504-2:2012)
- zamijenjena s: HRN EN 12504-2:2021

HZN/TO 74, Cement i vapno

HRN EN 459-2:2010 en
Građevno vapno – 2. dio: Metode ispitivanja (EN 459-2:2010)
Building lime – Part 2: Test methods (EN 459-2:2010)
- zamijenjena s: HRN EN 459-2:2021

HZN/TO 121, Anestetička i respiracijska oprema

HRN EN ISO 80601-2-74:2020 en
Medicinska električna oprema – Dio 2-74: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke ovlaživača za opremu za disanje (ISO 80601-2-74:2017; EN ISO 80601-2-74:2020)
Medical electrical equipment – Part 2-74: Particular requirements for basic safety and essential performance of respiratory humidifying equipment (ISO 80601-2-74:2017; EN ISO 80601-2-74:2020)
- zamijenjena s: HRN EN ISO 80601-2-74:2021

HZN/TO 147, Kvaliteta vode

HRN EN ISO 13160:2015 en
Kvaliteta vode – Stroncij-90 i stroncij-89 – Metode ispitivanja s upotrebom tekućinske scintilacije ili proporcionalnog brojenja (ISO 13160:2012; EN ISO 13160:2015)
Water quality – Strontium 90 and strontium 89 – Test methods using liquid scintillation counting or proportional counting (ISO 13160:2012; EN ISO 13160:2015)
- zamijenjena s: HRN EN ISO 13160:2021

HZN/TO 172, Optika i optički instrumenti

HRN EN ISO 11146-1:2008 en
Laseri i pridružena oprema – Ispitne metode za širine laserskog snopa, kutove divergencije i omjere prostiranja snopa – 1. dio: Stigmatični i jednostavni astigmatični snopovi (ISO 11146-1:2005; EN ISO 11146-1:2005)
Lasers and laser-related equipment – Test methods for laser beam widths, divergence angles and beam propagation ratios – Part 1: Stigmatic and simple astigmatic beams (ISO 11146-1:2005; EN ISO 11146-1:2005)
- zamijenjena s: HRN EN ISO 11146-1:2021

HRN EN ISO 11146-2:2008 en
Laseri i pridružena oprema – Ispitne metode za širine laserskog snopa, kutove divergencije i omjere prostiranja snopa – 2. dio: Opći astigmatični snopovi (ISO 11146-2:2005; EN ISO 11146-2:2005)
Lasers and laser-related equipment – Test methods for laser beam widths, divergence angles and beam propagation ratios – Part 2: General astigmatic beams (ISO 11146-2:2005; EN ISO 11146-2:2005)
- zamijenjena s: HRN EN ISO 11146-2:2021

HRN EN ISO 15253:2008 en
Oftalmološka optika i instrumenti – Optička sredstva za pojačavanje slabog vida (ISO 15253:2000; EN ISO 15253:2000+AC:2001)
Ophthalmic optics and instruments – Optical devices for enhancing low vision (ISO 15253:2000; EN ISO 15253:2000+AC:2001)
- zamijenjena s: HRN EN ISO 15253:2021

HZN/TO 181, Sigurnost igraćaka i proizvodi za djecu

HRN EN 13209-1:2008 en
Proizvodi za dojenčad i malu djecu – Nosiljke za dojenčad – Sigurnosni zahtjevi i metode ispitivanja – 1. dio: Ledne nosiljke s krutom okvirnom konstrukcijom (EN 13209-1:2004)
Child use and care articles – Baby carriers – Safety requirements and test methods – Part 1: Framed back carriers (EN 13209-1:2004)
- zamijenjena s: HRN EN 13209-1:2021

HZN/TO 228, Usluge u turizmu

HRI ISO/TR 21102:2016 en
Pustolovni turizam – Voditelji – Kompetencije osoblja (ISO/TR 21102:2013)
Adventure tourism – Leaders – Personnel competence (ISO/TR 21102:2013)
- bez zamjene

HZN/TO 238, Čvrsta biogoriva

HRN EN ISO 17225-5:2014 en
Čvrsta biogoriva – Specifikacije goriva i razredi – 5. dio: Klasifikacija ogrjevnog drveta (ISO 17225-5:2014; EN ISO 17225-5:2014)
Solid biofuels – Fuel specifications and classes – Part 5: Graded firewood (ISO 17225-5:2014; EN ISO 17225-5:2014)
- zamijenjena s: HRN EN ISO 17225-5:2021

HRN EN ISO 17225-6:2014 en
Čvrsta biogoriva – Specifikacije goriva i razredi – 6. dio: Klasifikacija nedrvnih peleta (ISO 17225-6:2014; EN ISO 17225-6:2014)
Solid biofuels – Fuel specifications and classes – Part 6: Graded non-woody pellets (ISO 17225-6:2014; EN ISO 17225-6:2014)
- zamijenjena s: HRN EN ISO 17225-6:2021

HRN EN ISO 17225-7:2014 en
Čvrsta biogoriva – Specifikacije goriva i razredi – 7. dio: Klasifikacija nedrvnih briketa (ISO 17225-7:2014; EN ISO 17225-7:2014)
Solid biofuels – Fuel specifications and classes – Part 7: Graded non-woody briquettes (ISO 17225-7:2014; EN ISO 17225-7:2014)
- zamijenjena s: HRN EN ISO 17225-7:2021

HZN/TO 503, Metalni materijali

HRN EN ISO 15349-2:2008 en
Nelegirani čelik – Određivanje niskog sadržaja ugljika – 2. dio: Metoda infracrvene apsorpcije nakon izgaranja u indukcijskoj peći (s predgrijavanjem) (ISO 15349-2:1999; EN ISO 15349-2:2003)
Unalloyed steel – Determination of low carbon content – Part 2: Infrared absorption method after combustion in an induction furnace (with preheating) (ISO 15349-2:1999; EN ISO 15349-2:2003)
- zamijenjena s: HRN EN ISO 15349-2:2021

HZN/TO 528, Oprema za željeznice

HRN EN 16116-2:2013 en
Željeznički sustav – Projektni zahtjevi za stepenice, rukohvate i prateće dodatke za osoblje – 2. dio: Teretni vagoni (EN 16116-2:2013)
Railway applications – Design requirements for steps, handrails and associated access for staff – Part 2: Freight wagons (EN 16116-2:2013)
- zamijenjena s: HRN EN 16116-2:2021

HZN/TO 531, Plastika i guma

HRN EN ISO 1043-4:2008 en
Plastika – Simboli i skraćeni nazivi – 4. dio: Usporavala gorenja (ISO 1043-4:1998; EN ISO 1043-4:1999)
Plastics – Symbols and abbreviated terms – Part 4: Flame retardants (ISO 1043-4:1998; EN ISO 1043-4:1999)
- zamijenjena s: HRN EN ISO 1043-4:2021

HRN EN ISO 1043-4:2008/A1:2016 en
Plastika – Simboli i skraćeni nazivi – 4. dio: Usporavala gorenja (ISO 1043-4:1998/Amd 1:2016; EN ISO 1043-4:1999/A1:2016)
Plastics – Symbols and abbreviated terms – Part 4: Flame retardants (ISO 1043-4:1998/Amd 1:2016; EN ISO 1043-4:1999/A1:2016)
- zamijenjena s: HRN EN ISO 1043-4:2021

HRN EN ISO 1622-2:2008 en
Plastika – Polistirenski (PS) prešani i ekstrudirani materijali – 2. dio: Priprava ispitaka i određivanje svojstava (ISO 1622-2:1995; EN ISO 1622-2:1999)
Plastics – Polystyrene (PS) moulding and extrusion materials – Part 2: Preparation of test specimens and determination of properties (ISO 1622-2:1995; EN ISO 1622-2:1999)
- zamijenjena s: HRN EN ISO 24022-2:2021

HRN EN ISO 10619-2:2018 en
Gumena i plastična crijeva i cijevi – Mjerenje savitljivosti i krutosti – 2. dio: Savojna ispitivanja pri temperaturi nižoj od temperature okoline (ISO 10619-2:2017; EN ISO 10619-2:2018)
Rubber and plastics hoses and tubing – Measurement of flexibility and stiffness – Part 2: Bending tests at sub-ambient temperatures (ISO 10619-2:2017; EN ISO 10619-2:2018)
- zamijenjena s: HRN EN ISO 10619-2:2021

HRN EN ISO 12017:2008 en
Plastika – Dvoslojne i troslojne poli(metil-metakrilatne) ploče – Ispitne metode (ISO 12017:1995; EN ISO 12017:1996)
Plastics – Poly(methyl methacrylate) double- and triple-skin sheets – Test methods (ISO 12017:1995; EN ISO 12017:1996)
- zamijenjena s: HRN EN ISO 12017:2021

HZN/TO 553, Predgotovljeni proizvodi

HRN EN ISO 10545-10:2001 en
Keramičke pločice – 10. dio: Određivanje širenja pod utjecajem vlage (ISO 10545-10:1995; EN ISO 10545-10:1997)
Ceramic tiles – Part 10: Determination of moisture expansion (ISO 10545-10:1995; EN ISO 10545-10:1997)
- zamijenjena s: HRN EN ISO 10545-10:2021

HZN/TO 554, Obrada otpadnih voda

HRN EN 12255-16:2005 en
Uređaji za pročišćavanje otpadnih voda – 16. dio: Fizikalna (mehanička) filtracija (EN 12255-16:2005)
Wastewater treatment plants – Part 16: Physical (mechanical) filtration (EN 12255-16:2005)
- zamijenjena s: HRN EN 12255-16:2021

HZN/TO 560, Tekstilni proizvodi

HRN EN ISO 1833-22:2013 en
Tekstil – Kvantitativna kemijska analiza – 22. dio: Mješavine viskoznih ili određenih tipova bakarnih ili modalnih ili liocelnih vlakana i lana (metoda s uporabom mravlje kiseline i cinkovog klorida) (ISO 1833-22:2013; EN ISO 1833-22:2013)
Textiles – Quantitative chemical analysis – Part 22: Mixtures of viscose or certain types of cupro or modal or lyocell and flax fibres (method using formic acid and zinc chloride) (ISO 1833-22:2013; EN ISO 1833-22:2013)
- zamijenjena s: HRN EN ISO 1833-22:2021

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

HRN EN 16579:2018 en
Oprema za sportska igrališta – Prijenosni i učvršćeni golovi – Funkcionalni i sigurnosni zahtjevi i metode ispitivanja (EN 16579:2018)
Playing field equipment – Portable and permanent socketed goals – Functional, safety requirements and test methods (EN 16579:2018)
- zamijenjena s: HRN EN 16579:2021

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

HRS CEN ISO/TS 29843-2:2014 en
Kvaliteta tla – Određivanje mikrobne raznolikosti tla – 2. dio: Analiza masnih kiselina u fosfolipidima (PLFA) primjenom jednostavne metode ekstrakcije PLFA (ISO/TS 29843-2:2011, ispravljena verzija 2012-02-01; CEN ISO/TS 29843-2:2014)
Soil quality – Determination of soil microbial diversity – Part 2: Method by phospholipid fatty acid analysis (PLFA) using the simple PLFA extraction method (ISO/TS 29843-2:2011, Corrected version 2012-02-01; CEN ISO/TS 29843-2:2014)
- zamijenjena s: HRS CEN ISO/TS 29843-2:2021

HZN/TO E22, Energetska elektronika

HRN EN 61204-3:2001 en
Niskonaponski napajajući s istosmjernim izlazom – 3. dio: Elektromagnetska kompatibilnost (EMC) (IEC 61204-3:2000; EN 61204-3:2000)
Low-voltage power supply devices, d.c. output – Part 3: Electromagnetic compatibility (EMC) (IEC 61204-3:2000; EN 61204-3:2000)
- zamijenjena s: HRN EN IEC 61204-3:2021

HRN IEC 61204-3:2013 en
Niskonaponski napajajući s istosmjernim izlazom – 3. dio: Elektromagnetska kompatibilnost (EMC) (IEC 61204-3:2011)
Low-voltage power supply devices, d.c. output – Part 3: Electromagnetic compatibility (EMC) (IEC 61204-3:2011)
- zamijenjena s: HRN EN IEC 61204-3:2021

HRN EN 61800-3:2008 en
Elektromotorni sustavi prilagodljive brzine – 3. dio: Zahtjevi za elektromagnetsku kompatibilnost (EMC) i posebne metode ispitivanja (IEC 61800-3:2004; EN 61800-3:2004)
Adjustable speed electrical power drive systems – Part 3: EMC requirements and specific test methods (IEC 61800-3:2004; EN 61800-3:2004)
- zamijenjena s: HRN EN IEC 61800-3:2021

HRN EN 61800-3:2008/A1:2012 en
Elektromotorni sustavi prilagodljive brzine – 3. dio: Zahtjevi za elektromagnetsku kompatibilnost (EMC) i posebne metode ispitivanja (IEC 61800-3:2004/am1:2011; EN 61800-3:2004/A1:2012)
Adjustable speed electrical power drive systems – Part 3: EMC requirements and specific test methods (IEC 61800-3:2004/am1:2011; EN 61800-3:2004/A1:2012)
- zamijenjena s: HRN EN IEC 61800-3:2021

HRN EN 62040-2:2008 en
Energetski sustavi neprekidnog napajanja (UPS) – 2. dio: Zahtjevi za elektromagnetsku kompatibilnost (IEC 62040-2:2005; EN 62040-2:2006)
Uninterruptible power systems (UPS) – Part 2: Electromagnetic compatibility (EMC) requirements (IEC 62040-2:2005; EN 62040-2:2006)
- zamijenjena s: HRN EN IEC 62040-2:2021

HRN EN 62040-2:2008/Ispr.1:2013 en
Energetski sustavi neprekidnog napajanja (UPS) – 2. dio: Zahtjevi za elektromagnetsku kompatibilnost (EN 62040-2:2006/AC:2006)
Uninterruptible power systems (UPS) – Part 2: Electromagnetic compatibility (EMC) requirements (EN 62040-2:2006/AC:2006)
- zamijenjena s: HRN EN IEC 62040-2:2021

HZN/TO E112, Procjena i značajke električnih izolacijskih materijala i sustava

HRN IEC 60493-1:2005 en
Uputa za statističku analizu podataka pri ispitivanju starenja – 1. dio: Metode koje se temelje na srednjoj vrijednosti rezultata s normalnom distribucijom (IEC 60493-1:1974)
Guide for the statistical analysis of ageing test data – Part 1: Methods based on mean values of normally distributed test results (IEC 60493-1:1974)
- zamijenjena s: HRN IEC 60493-1:2021

HZN/TO Z1, Informacijska tehnologija

HRN ISO/IEC 9798-2:2013 en
Informacijska tehnologija – Sigurnosne tehnike – Autentifikacija subjekta – 2. dio: Mehanizmi korištenja simetričnih algoritama za šifriranje (ISO/IEC 9798-2:2008+Cor 1:2010+Cor 2:2012)
Information technology – Security techniques – Entity authentication – Part 2: Mechanisms using symmetric encipherment algorithms (ISO/IEC 9798-2:2008+Cor 1:2010+Cor 2:2012)
- zamijenjena s: HRN ISO/IEC 9798-2:2021

HRN ISO/IEC 9798-2:2013/Ispr.1:2014 en
Informacijska tehnologija – Sigurnosne tehnike – Autentifikacija subjekta – 2. dio: Mehanizmi korištenja simetričnih algoritama za šifriranje (ISO/IEC 9798-2:2008/Cor 3:2013)
Information technology – Security techniques – Entity authentication – Part 2: Mechanisms using symmetric encipherment algorithms (ISO/IEC 9798-2:2008/Cor 3:2013)
- zamijenjena s: HRN ISO/IEC 9798-2:2021

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

HRN EN 15927:2011 en
Usluge koje pruža stručnjak za slušna pomagala (EN 15927:2010)
Services offered by hearing aid professionals (EN 15927:2010)
- zamijenjena s: HRN EN ISO 21388:2021

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

HRN EN ISO 8130-2:2010 en
Praškasti prekrivni materijali – 2. dio: Određivanje gustoće pomoću plinskog piknometra (referentna metoda) (ISO 8130-2:1992; EN ISO 8130-2:2010)
Coating powders – Part 2: Determination of density by gas comparison pycnometer (reference method) (ISO 8130-2:1992; EN ISO 8130-2:2010)
- zamijenjena s: HRN EN ISO 8130-2:2021

HRN EN ISO 8130-3:2010 en

Praškasti prekrivni materijali – 3. dio: Određivanje gustoće pomoću piknometra istiskivanjem tekućine (ISO 8130-3:1992; EN ISO 8130-3:2010)
Coating powders – Part 3: Determination of density by liquid displacement pyknometer (ISO 8130-3:1992; EN ISO 8130-3:2010)
- zamijenjena s: HRN EN ISO 8130-3:2021

HRN EN ISO 8130-5:2010 en

Praškasti prekrivni materijali – 5. dio: Određivanje svojstava tečenja mješavine prašak/zrak (ISO 8130-5:1992; EN ISO 8130-5:2010)
Coating powders – Part 5: Determination of flow properties of a powder/air mixture (ISO 8130-5:1992; EN ISO 8130-5:2010)
- zamijenjena s: HRN EN ISO 8130-5:2021

HRN EN ISO 8130-6:2010 en

Praškasti prekrivni materijali – 6. dio: Određivanje vremena geliranja termoreaktivnih praškastih prekrivnih materijala pri zadanoj temperaturi (ISO 8130-6:1992+Amd 1:1998; EN ISO 8130-6:2010)
Coating Powders – Part 6: Determination of gel time of thermosetting coating powders at a given temperature (ISO 8130-6:1992+Amd 1:1998; EN ISO 8130-6:2010)
- zamijenjena s: HRN EN ISO 8130-6:2021

HRN EN ISO 8130-8:2010 en

Praškasti prekrivni materijali – 8. dio: Procjena stabilnosti termoreaktivnih praškastih prekrivnih materijala pri skladištenju (ISO 8130-8:1994; EN ISO 8130-8:2010)
Coating powders – Part 8: Assessment of the storage stability of thermosetting powders (ISO 8130-8:1994; EN ISO 8130-8:2010)
- zamijenjena s: HRN EN ISO 8130-8:2021

HRN EN ISO 8130-10:2010 en

Praškasti prekrivni materijali – 10. dio: Određivanje učinkovitosti nanošenja (ISO 8130-10:1998; EN ISO 8130-10:2010)
Coating powders – Part 10: Determination of deposition efficiency (ISO 8130-10:1998; EN ISO 8130-10:2010)
- zamijenjena s: HRN EN ISO 8130-10:2021

HRN EN 12206-1:2005 en

Boje i lakovi – Prekrivni materijali za aluminij i aluminijske legure za arhitektonske potrebe – 1. dio: Prevlake pripremljene od praškastih prekrivnih materijala (EN 12206-1:2004)
Paints and varnishes – Coating of aluminium and aluminium alloys for architectural purposes – Part 1: Coatings prepared from coating powder (EN 12206-1:2004)
- zamijenjena s: HRN EN 12206-1:2021

HZN/TU N1, Nemetalni materijali 1

HRN EN 1007-4:2008 en

Tehnička keramika – Keramičke smjese – Metode ispitivanja za pojačanje – 4. dio: Određivanje vlačnih svojstava filamenata na sobnoj temperaturi (EN 1007-4:2004)
Advanced technical ceramics – Ceramic composites – Methods of test for reinforcement – Part 4: Determination of tensile properties of filaments at ambient temperature (EN 1007-4:2004)
- zamijenjena s: HRN EN ISO 19630:2021

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

HRN EN ISO 10873:2010 en

Stomatologija – Sredstva za poboljšanje držanja proteze (ISO 10873:2010; EN ISO 10873:2010)
Dentistry – Denture adhesives (ISO 10873:2010; EN ISO 10873:2010)
- bez zamjene

HRN EN ISO 11199-2:2008 en

Dvoručna pomagala za hodanje – Zahtjevi i metode ispitivanja – 2. dio: Ortopedska kolica za hodanje (rolatori) (ISO 11199-2:2005; EN ISO 11199-2:2005)
Walking aids manipulated by both arms – Requirements and test methods – Part 2: Rollators (ISO 11199-2:2005; EN ISO 11199-2:2005)
- zamijenjena s: HRN EN ISO 11199-2:2021

1.6 Ispravci hrvatskih norma

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

HZN/TO 566, Mlijeko i mliječni proizvodi

• umjesto

HRN EN ISO 14637:2008
Mlijeko – Određivanje sadržaja uree – **Enzimska** metoda primjenom diferencijalne pH- metrije (Referentna metoda) (ISO 14637:2004)
Milk – Determination of urea content – Enzymatic method using difference in pH (Reference method) (ISO 14637:2004)

• treba biti

HRN EN ISO 14637:2008
Mlijeko – Određivanje sadržaja uree – **Enzimatska** metoda primjenom diferencijalne pH- metrije (Referentna metoda) (ISO 14637:2004)
Milk – Determination of urea content – Enzymatic method using difference in pH (Reference method) (ISO 14637:2004)

• umjesto

HRN EN ISO 22160:2007
Mlijeko i napitci na osnovi mlijeka – Određivanje aktivnosti alkalne fosfataze – **Enzimska** foto-aktivirana sustavna (EPAS) metoda (ISO 22160:2007)
Milk and milk-based drinks – Determination of alkaline phosphatase activity – Enzymatic photo-activated system (EPAS) method (ISO 22160:2007)

• treba biti

HRN EN ISO 22160:2007
Mlijeko i napitci na osnovi mlijeka – Određivanje aktivnosti alkalne fosfataze – **Enzimatska** foto-aktivirana sustavna (EPAS) metoda (ISO 22160:2007)
Milk and milk-based drinks – Determination of alkaline phosphatase activity – Enzymatic photo-activated system (EPAS) method (ISO 22160:2007)

1.10 Prijevodi hrvatskih normativnih dokumenata

HZN/TO 207, Upravljanje okolišem

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

HRN EN ISO 14031:2013 hr-en pr-pp
Upravljanje okolišem – Vrednovanje utjecaja na okoliš – Smjernice (ISO 14031:2013; EN ISO 14031:2013)
Environmental management – Environmental performance evaluation – Guidelines (ISO 14031:2013; EN ISO 14031:2013)

2 Rezultati mednarodne i evropske normizacije

Evropska normizacija (CEN)

Oznaka norme	Naslov norme	ICS	Datum objave
EN 54-1	Fire detection and fire alarm systems – Part 1: Introduction	13.220.20	2021-06
EN 1018	Chemicals used for treatment of water intended for human consumption – Calcium carbonate	71.100.80	2021-06
EN 1627	Pedestrian doorsets, windows, curtain walling, grilles and shutters – Burglar resistance – Requirements and classification	13.310; 91.060.50	2021-06
EN 1628	Pedestrian doorsets, windows, curtain walling, grilles and shutters – Burglar resistance – Test method for the determination of resistance under static loading	13.310; 91.060.50	2021-06
EN 1629	Pedestrian doorsets, windows, curtain walling, grilles and shutters – Burglar resistance – Test method for the determination of resistance under dynamic loading	13.310; 91.060.50	2021-06
EN 1630	Pedestrian doorsets, windows, curtain walling, grilles and shutters – Burglar resistance – Test method for the determination of resistance to manual burglary attempts	13.310; 91.060.50	2021-06
EN 2854-003	Aerospace series – Cables, electrical for general purpose – Operating temperatures between -55 °C and 260 °C – Part 003: Product standard	49.060	2021-06
EN 4866	Aerospace series – Definitions of imperfections and defects in organic matrix composite materials	49.025.99	2021-06
EN 10222-2+A1	Steel forgings for pressure purposes – Part 2: Ferritic and martensitic steels with specified elevated temperatures properties	77.140.30; 77.140.85	2021-06
EN 10222-4+A1	Steel forgings for pressure purposes – Part 4: Weldable fine grain steels with high proof strength	77.140.30; 77.140.85	2021-06
EN 10373	Determination of the physical and mechanical properties of steels using models	77.080.20; 77.140.01	2021-06
EN 12082+A1	Railway applications – Axleboxes – Performance testing	45.040	2021-06
CEN/TR 12333	Fertilizers – Crushing strength determination on fertilizers grains	65.080	2021-06
EN 13001-3-6+A1	Cranes – General design – Part 3-6: Limit states and proof of competence of machinery – Hydraulic cylinders	23.100.20; 53.020.20	2021-06
CEN/TR 14061	Fertilizers – Determination of dust content	65.080	2021-06
CEN/TR 14539	Straight ammonium nitrate fertilizers – Comparative study on the determination of porosity (oil retention)	65.080	2021-06
EN 15193-1+A1	Energy performance of buildings – Energy requirements for lighting – Part 1: Specifications, Module M9	91.120.10; 91.140.99; 91.160.01	2021-06
EN 15643	Sustainability of construction works – Framework for assessment of buildings and civil engineering works	91.040.01	2021-06
CEN/TR 15990	Data sheets – Footwear tests materials and test adhesives	61.060; 83.180	2021-06
EN 16094	Laminate floor coverings – Test method for the determination of micro-scratch resistance	97.150	2021-06
CEN/TS 16360	Paints and varnishes – Coating materials and coating systems for exterior wood – Assessment of film extensibility by indentation of a coating on a wooden substrate	87.040	2021-06
EN 16890+A1	Children's furniture – Mattresses for cots and cribs – Safety requirements and test methods	97.140; 97.190	2021-06
EN 17278	Natural gas vehicles – Vehicle fuelling appliances	75.200	2021-06

Oznaka norme	Naslov norme	ICS	Datum objave
CEN/TS 17329-1	Foodstuffs – General guidelines for the validation of qualitative real-time PCR methods – Part 1: Single-laboratory validation	67.050	2021-06
EN 17483-1	Private security services – Protection of critical infrastructure – Part 1: General requirements	03.080.99; 13.310	2021-06
EN 17485	Maintenance – Maintenance within physical asset management – Framework for improving the value of the physical assets through their whole life cycle	03.100.01	2021-06
EN 17488	Conservation of cultural heritage – Procedure for the analytical evaluation to select cleaning methods for porous inorganic materials used in cultural heritage	97.195	2021-06
CEN/TS 17629	Nanotechnologies – Nano- and micro-scale scratch testing	07.120	2021-06
CEN/TS 17630	Pulp, paper and paperboard – Determination of anthraquinone in extracts from pulp, paper and paperboard	67.250; 85.060	2021-06
CEN/TS 17631	Personal identification – Biometric group access control	35.240.15	2021-06
CEN/TS 17638	Stationary source emissions – Manual method for the determination of the mass concentration of formaldehyde – Reference method	13.040.40	2021-06
CEN/TR 17653	Cycles – Components and assemblies used in bicycles – Innovative requirements and test methods	43.150	2021-06
FprCEN/TR 17698	Ergonomics – Demands and Availability of anthropometric and strength data of children in Europe	13.180	2021-06
CWA 17726	High temperature accelerated ageing of advanced ceramic specimens for solar receivers and other applications under concentrated solar radiation	27.160; 81.060.30	2021-06
EN 80369-5/AC	Small-bore connectors for liquids and gases in healthcare applications – Part 5: Connectors for limb cuff inflation applications (IEC 80369-5:2016/COR2:2021)	11.040.20; 11.040.25	2021-06
EN ISO 407	Small medical gas cylinders – Pin-index yoke-type valve connections (ISO 407:2021)	11.040.10	2021-06
EN ISO 1891-2/A1	Fasteners – Terminology – Part 2: Vocabulary and definitions for coatings – Amendment 1 (ISO 1891-2:2014/Amd 1:2020)	01.040.21; 21.060.01	2021-06
EN ISO 2313-1	Textiles – Determination of the recovery from creasing of a folded specimen of fabric by measuring the angle of recovery – Part 1: Method of the horizontally folded specimen (ISO 2313-1:2021)	59.080.30	2021-06
EN ISO 2313-2	Textiles – Determination of the recovery from creasing of a folded specimen of fabric by measuring the angle of recovery – Part 2: Method of the vertically folded specimen (ISO 2313-2:2021)	59.080.30	2021-06
EN ISO 2692	Geometrical product specifications (GPS) – Geometrical tolerancing – Maximum material requirement (MMR), least material requirement (LMR) and reciprocity requirement (RPR) (ISO 2692:2021)	01.100.20	2021-06
EN ISO 3452-1	Non-destructive testing – Penetrant testing – Part 1: General principles (ISO 3452-1:2021)	19.100	2021-06
EN ISO 3452-2	Non-destructive testing – Penetrant testing – Part 2: Testing of penetrant materials (ISO 3452-2:2021)	19.100	2021-06
EN ISO 3630-3	Dentistry – Endodontic instruments – Part 3: Compactors (ISO 3630-3:2021)	11.060.20	2021-06
EN ISO 6321	Animal and vegetable fats and oils – Determination of melting point in open capillary tubes – Slip point (ISO 6321:2021)	67.200.10	2021-06

Oznaka norme	Naslov norme	ICS	Datum objave
EN ISO 7823-3	Plastics – Poly(methyl methacrylate) sheets – Types, dimensions and characteristics – Part 3: Continuous cast sheets (ISO 7823-3:2021)	83.140.10	2021-06
EN ISO 8041-2	Human response to vibration – Measuring instrumentation – Part 2: Personal vibration exposure meters (ISO 8041-2:2021)	13.160	2021-06
EN ISO 10545-15	Ceramic tiles – Part 15: Determination of lead and cadmium given off by tiles (ISO 10545-15:2021)	91.100.23	2021-06
EN ISO 10993-12	Biological evaluation of medical devices – Part 12: Sample preparation and reference materials (ISO 10993-12:2021)	11.100.20	2021-06
EN ISO 11199-1	Assistive products for walking manipulated by both arms – Requirements and test methods – Part 1: Walking frames (ISO 11199-1:2021)	11.180.10	2021-06
EN ISO 11403-1	Plastics – Acquisition and presentation of comparable multipoint data – Part 1: Mechanical properties (ISO 11403-1:2021)	83.080.01	2021-06
EN ISO 11403-3	Plastics – Acquisition and presentation of comparable multipoint data – Part 3: Environmental influences on properties (ISO 11403-3:2021)	83.080.01	2021-06
EN ISO 11737-1/A1	Sterilization of health care products – Microbiological methods – Part 1: Determination of a population of microorganisms on products – Amendment 1 (ISO 11737-1:2018/Amd 1:2021)	07.100.10; 11.080.01	2021-06
CEN ISO/TS 12025	Nanomaterials – Quantification of nano-object release from powders by generation of aerosols (ISO/TS 12025:2021)	07.120	2021-06
EN ISO 12404	Soil and waste – Guidance on the selection and application of screening methods (ISO 12404:2021)	13.080.10	2021-06
EN ISO 13162	Water quality – Carbon 14 – Test method using liquid scintillation counting (ISO 13162:2021)	13.060.60; 17.240	2021-06
EN ISO 13468-2	Plastics – Determination of the total luminous transmittance of transparent materials – Part 2: Double-beam instrument (ISO 13468-2:2021)	83.080.01	2021-06
EN ISO 14160	Sterilization of health care products – Liquid chemical sterilizing agents for single-use medical devices utilizing animal tissues and their derivatives – Requirements for characterization, development, validation and routine control of a sterilization process for medical devices (ISO 14160:2020)	11.080.01	2021-06
EN ISO 14245	Gas cylinders – Specifications and testing of LPG cylinder valves – Self-closing (ISO 14245:2021)	23.020.35	2021-06
EN ISO 14631	Extruded sheets of impact-modified polystyrene (PS-I) – Requirements and test methods (ISO 14631:2021)	83.140.10	2021-06
EN ISO 14632	Extruded sheets of polyethylene (PE-HD) – Requirements and test methods (ISO 14632:2021)	83.140.10	2021-06
EN ISO 14945	Small craft – Builder's plate (ISO 14945:2021)	47.080	2021-06
EN ISO 14946	Small craft – Maximum load capacity (ISO 14946:2021)	47.080	2021-06
EN ISO 15245-1	Gas cylinders – Parallel threads for connection of valves to gas cylinders – Part 1: Specification (ISO 15245-1:2021)	23.020.35	2021-06
EN ISO 15995	Gas cylinders – Specifications and testing of LPG cylinder valves – Manually operated (ISO 15995:2021)	23.020.35	2021-06
EN ISO 16186	Footwear – Critical substances potentially present in footwear and footwear components – Determination of dimethyl fumarat (DMFU) (ISO 16186:2021)	61.060	2021-06
EN ISO 17225-1	Solid biofuels – Fuel specifications and classes – Part 1: General requirements (ISO 17225-1:2021)	27.190; 75.160.40	2021-06

Oznaka norme	Naslov norme	ICS	Datum objave
EN ISO 17511	In vitro diagnostic medical devices – Requirements for establishing metrological traceability of values assigned to calibrators, trueness control materials and human samples (ISO 17511:2020)	11.100.10	2021-06
EN ISO 17633/A1	Welding consumables – Tubular cored electrodes and rods for gas shielded and non-gas shielded metal arc welding of stainless and heat-resisting steels – Classification – Amendment 1 (ISO 17633:2017/Amd 1:2021)	25.160.20	2021-06
EN ISO 18219-1	Leather – Determination of chlorinated hydrocarbons in leather – Part 1: Chromatographic method for short-chain chlorinated paraffins (SCCPs) (ISO 18219-1:2021)	59.140.30	2021-06
EN ISO 18219-2	Leather – Determination of chlorinated hydrocarbons in leather – Part 2: Chromatographic method for middle-chain chlorinated paraffins (MCCPs) (ISO 18219-2:2021)	59.140.30	2021-06
EN ISO 18314-4	Analytical colorimetry – Part 4: Metamerism index for pairs of samples for change of illuminant (ISO 18314-4:2020)	87.060.10	2021-06
EN ISO 18541-1	Road vehicles – Standardized access to automotive repair and maintenance information (RMI) – Part 1: General information and use case definition (ISO 18541-1:2021)	43.040.15; 43.180	2021-06
EN ISO 18541-2	Road vehicles – Standardized access to automotive repair and maintenance information (RMI) – Part 2: Technical requirements (ISO 18541-2:2021)	43.040.15; 43.180	2021-06
EN ISO 18541-3	Road vehicles – Standardized access to automotive repair and maintenance information (RMI) – Part 3: Functional user interface requirements (ISO 18541-3:2021)	43.040.15; 43.180	2021-06
EN ISO 18541-4	Road vehicles – Standardized access to automotive repair and maintenance information (RMI) – Part 4: Conformance test (ISO 18541-4:2021)	43.040.15; 43.180	2021-06
EN ISO 19116/A1	Geographic information – Positioning services – Amendment 1 (ISO 19116:2019/Amd 1:2021)	35.240.70	2021-06
EN ISO 19126	Geographic information – Feature concept dictionaries and registers (ISO 19126:2021)	35.240.70	2021-06
EN ISO 19168-1	Geographic information – Geospatial API for features – Part 1: Core (ISO 19168-1:2020)	35.240.70	2021-06
EN ISO 19818-1	Eye and face protection – Protection against laser radiation – Part 1: Requirements and test methods (ISO 19818-1:2021)	13.340.20	2021-06
EN ISO 19980	Ophthalmic instruments – Corneal topographers (ISO 19980:2021)	11.040.70	2021-06
EN ISO 20257-2	Installation and equipment for liquefied natural gas – Design of floating LNG installations – Part 2: Specific FSRU issues (ISO 20257-2:2021)	75.200	2021-06
EN ISO 20743	Textiles – Determination of antibacterial activity of textile products (ISO 20743:2021)	07.100.99; 59.080.01	2021-06
EN ISO 20957-2	Stationary training equipment – Part 2: Strength training equipment, additional specific safety requirements and test methods (ISO 20957-2:2020)	97.220.30	2021-06
EN ISO 20957-7	Stationary training equipment – Part 7: Rowing equipment, additional specific safety requirements and test methods (ISO 20957-7:2020)	97.220.30	2021-06
EN ISO 22413	Transfer sets for pharmaceutical preparations – Requirements and test methods (ISO 22413:2021)	11.040.20	2021-06

Oznaka norme	Naslov norme	ICS	Datum objave
EN ISO 22515	Water quality – Iron-55 – Test method using liquid scintillation counting (ISO 22515:2021)	17.240	2021-06
EN ISO 23118	Molecular in vitro diagnostic examinations – Specifications for pre-examination processes in metabolomics in urine, venous blood serum and plasma (ISO 23118:2021)	11.100.10	2021-06
EN ISO 23856	Plastics piping systems for pressure and non-pressure water supply, drainage or sewerage – Glass-reinforced thermosetting plastics (GRP) systems based on unsaturated polyester (UP) resin (ISO 23856:2021)	23.040.20; 91.140.80; 93.030	2021-06
EN ISO 28199-2	Paints and varnishes – Evaluation of properties of coating systems related to the spray application process – Part 2: Colour stability, process hiding power, re-dissolving, overspray absorption, wetting, surface texture and mottling (ISO 28199-2:2021)	87.040	2021-06
EN ISO 28199-3	Paints and varnishes – Evaluation of properties of coating systems related to the spray application process – Part 3: Assessment of sagging, formation of bubbles, pinholing and hiding power (ISO 28199-3:2021)	87.040	2021-06

Europska normizacija (CENELEC)

Oznaka norme	Naslov norme	ICS	Datum objave
CEN/TR 17621	Accessibility and usability of the built environment – Technical performance criteria and specifications	91.040.01	2021-06
CEN/TR 17622	Accessibility and usability of the built environment – Conformity assessment	91.040.01	2021-06
EN 50131-6/A1	Alarm systems – Intrusion and hold-up systems – Part 6: Power supplies	13.310; 13.320	2021-06
CLC/TS 50703-1	Lightning Protection System Components (LPSC) – Part 1: Testing requirements for metal sheets' joints used in LPS	91.120.40	2021-06
EN IEC 60086-1	Primary batteries – Part 1: General (IEC 60086-1:2021)	29.220.10	2021-06
EN IEC 60086-2	Primary batteries – Part 2: Physical and electrical specifications (IEC 60086-2:2021)	29.220.10	2021-06
EN IEC 60086-3	Primary batteries – Part 3: Watch batteries (IEC 60086-3:2021)	29.220.10; 39.040.10	2021-06
EN 60335-1/A15	Household and similar electrical appliances – Safety – Part 1: General requirements	13.120; 97.030	2021-06
EN 60335-2-17/A2	Household and similar electrical appliances – Safety – Part 2-17: Particular requirements for blankets, pads, clothing and similar flexible heating appliances (IEC 60335-2-17:2012/A2:2019, modified)	13.120; 97.030; 97.040.50	2021-06
EN 60335-2-21	Household and similar electrical appliances – Safety – Part 2-21: Particular requirements for storage water heaters (IEC 60335-2-21:2012, modified + COR1:2013)	13.120; 91.140.65	2021-06
EN IEC 60335-2-32	Household and similar electrical appliances – Safety – Part 2-32: Particular requirements for massage appliances (IEC 60335-2-32:2019)	13.120; 97.170	2021-06
EN 60335-2-73/A11	Household and similar electrical appliances – Safety – Part 2-73: Particular requirements for fixed immersion heaters	91.140.65	2021-06
EN 60350-1/A1	Household electric cooking appliances – Part 1: Ranges, ovens, steam ovens and grills – Methods for measuring performance (IEC 60350-1:2016/A1:2021)	97.040.20	2021-06
EN 60350-2/A1	Household electric cooking appliances – Part 2: Hobs – Methods for measuring performance (IEC 60350-2:2017/A1:2021)	97.040.20	2021-06
EN 60601-2-63/A2	Medical electrical equipment – Part 2-63: Particular requirements for the basic safety and essential performance of dental extra-oral X-ray equipment (IEC 60601-2-63:2012/A2:2021)	11.040.50; 11.060.20	2021-06
EN 60601-2-65/A2	Medical electrical equipment – Part 2-65: Particular requirements for the basic safety and essential performance of dental intra-oral X-ray equipment (IEC 60601-2-65:2012/A2:2021)	11.040.50; 11.060.20	2021-06
EN IEC 60794-1-403	Optical fibre cables – Part 1-403: Generic specification – Basic optical cable test procedures – Electrical test methods – Electrical continuity test of cable metallic elements, method H3 (IEC 60794-1-403:2021)	33.180.10	2021-06
EN IEC 60974-11	Arc welding equipment – Part 11: Electrode holders (IEC 60974-11:2021)	25.160.30	2021-06
EN IEC 60974-13	Arc welding equipment – Part 13: Welding current return clamp (IEC 60974-13:2021)	25.160.30	2021-06
EN IEC 61007/AC	Transformers and inductors for use in electronic and telecommunication equipment – Measuring methods and test procedures (IEC 61007:2020/COR1:2021)	29.100.10; 29.180	2021-06

Oznaka norme	Naslov norme	ICS	Datum objave
EN IEC 61076-3-122	Connectors for electrical and electronic equipment – Product requirements – Part 3-122: Detail specification for 8-way, shielded, free and fixed connectors for I/O and data transmission with frequencies up to 500 MHz and current-carrying capacity in industrial environments (IEC 61076-3-122:2021)	31.220.10	2021-06
EN IEC 61215-1/AC	Terrestrial photovoltaic (PV) modules – Design qualification and type approval – Part 1: Test requirements (IEC 61215-1:2021/COR1:2021)	27.160	2021-06
EN IEC 61243-1	Live working – Voltage detectors – Part 1: Capacitive type to be used for voltages exceeding 1 kV AC (IEC 61243-1:2021)	13.260; 17.220.20; 29.240.99; 29.260.99	2021-06
EN IEC 61326-1	Electrical equipment for measurement, control and laboratory use – EMC requirements – Part 1: General requirements (IEC 61326-1:2020)	17.220.20; 25.040.40; 33.100.01; 33.100.20	2021-06
EN IEC 61326-2-1	Electrical equipment for measurement, control and laboratory use – EMC requirements – Part 2-1: Particular requirements – Test configurations, operational conditions and performance criteria for sensitive test and measurement equipment for EMC unprotected applications (IEC 61326-2-1:2020)	17.220.20; 25.040.40; 33.100.01; 33.100.20	2021-06
EN IEC 61326-2-2	Electrical equipment for measurement, control and laboratory use – EMC requirements – Part 2-2: Particular requirements – Test configurations, operational conditions and performance criteria for portable testing, measuring and monitoring equipment used in low-voltage distribution systems (IEC 61326-2-2:2020)	17.220.20; 25.040.40; 33.100.01; 33.100.20	2021-06
EN IEC 61326-2-3	Electrical equipment for measurement, control and laboratory use – EMC requirements – Part 2-3: Particular requirements – Test configuration, operational conditions and performance criteria for transducers with integrated or remote signal conditioning (IEC 61326-2-3:2020)	17.220.20; 25.040.40; 33.100.01; 33.100.20	2021-06
EN IEC 61326-2-4	Electrical equipment for measurement, control and laboratory use – EMC requirements – Part 2-4: Particular requirements – Test configurations, operational conditions and performance criteria for insulation monitoring devices according to IEC 61557-8 and for equipment for insulation fault location according to IEC 61557-9 (IEC 61326-2-4:2020)	17.220.20; 33.100.01; 33.100.20	2021-06
EN IEC 61326-2-5	Electrical equipment for measurement, control and laboratory use – EMC requirements – Part 2-5: Particular requirements – Test configurations, operational conditions and performance criteria for field devices with field bus interfaces according to IEC 61784-1 (IEC 61326-2-5:2020)	17.220.20; 25.040.40; 33.100.01; 33.100.20	2021-06
EN IEC 61326-2-6	Electrical equipment for measurement, control and laboratory use – EMC requirements – Part 2-6: Particular requirements – In vitro diagnostic (IVD) medical equipment (IEC 61326-2-6:2020)	11.040.55; 11.100.10; 17.220.20; 33.100.01; 33.100.20	2021-06
EN 61400-12-1/AC	Wind energy generation systems – Part 12-1: Power performance measurement of electricity producing wind turbines (IEC 61400-12-1:2017/COR3:2021)	27.180	2021-06
EN IEC 61784-3-2	Industrial communication networks – Profiles – Part 3-2: Functional safety fieldbuses – Additional specifications for CPF 2 (IEC 61784-3-2:2021)	25.040.40; 35.100.05; 35.160; 35.240.50	2021-06
EN IEC 61784-3-3	Industrial communication networks – Profiles – Part 3-3: Functional safety fieldbuses – Additional specifications for CPF 3 (IEC 61784-3-3:2021)	25.040.40; 35.100.05; 35.160; 35.240.50	2021-06
EN IEC 61784-3-8	Industrial communication networks – Profiles – Part 3-8: Functional safety fieldbuses – Additional specifications for CPF8 (IEC 61784-3-8:2021)	25.040.40; 35.100.05; 35.160; 35.240.50	2021-06

Oznaka norme	Naslov norme	ICS	Datum objave
EN IEC 61784-3-13	Industrial communication networks – Profiles – Part 3-13: Functional safety fieldbuses – Additional specifications for CPF 13 (IEC 61784-3-13:2021)	25.040.40; 35.100.05; 35.160; 35.240.50	2021-06
EN 61784-3-18/A2	Industrial communication networks – Profiles – Part 3-18: Functional safety fieldbuses – Additional specifications for CPF 18 (IEC 61784-3-18:2011/AMD2:2021)	25.040.40; 35.100.05; 35.160; 35.240.50	2021-06
EN IEC 61788-17	Superconductivity – Part 17: Electronic characteristic measurements – Local critical current density and its distribution in large-area superconducting films (IEC 61788-17:2021)	17.220.20; 29.050	2021-06
EN IEC 61968-3	Application integration at electric utilities – System interfaces for distribution management – Part 3: Interface for network operations (IEC 61968-3:2021)	33.200; 35.240.99	2021-06
EN 61995-1/A11	Devices for the connection of luminaires for household and similar purposes – Part 1: General requirements	29.120.20; 29.140.99	2021-06
EN 62044-2/AC	Cores made of soft magnetic materials – Measuring methods – Part 2: Magnetic properties at low excitation level (IEC 62044-2:2005/COR1:2021)	29.100.10	2021-06
EN IEC 62148-21	Fibre optic active components and devices – Package and interface standards – Part 21: Design guidelines of electrical interface of PIC packages using silicon fine-pitch ball grid array (S-FBGA) and silicon fine-pitch land grid array (S-FLGA) (IEC 62148-21:2021)	33.180.20	2021-06
EN IEC 62228-5	Integrated circuits – EMC evaluation of transceivers – Part 5: Ethernet transceivers (IEC 62228-5:2021)	31.200	2021-06
EN IEC 62271-106	High-voltage switchgear and controlgear – Part 106: Alternating current contactors, contactor-based controllers and motor- starters (IEC 62271-106:2021)	29.130.10	2021-06
EN IEC 62488-3	Power line communication systems for power utility applications – Part 3: Digital Power Line Carrier (DPLC) terminals and hybrid ADPLC terminals (IEC 62488-3:2021)	29.240.20; 33.200	2021-06
EN 62841-3-1/A1	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 3-1: Particular requirements for transportable table saws (IEC 62841-3-1:2014/A1:2021)	25.140.20	2021-06
EN 62841-3-1/A12	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 3-1: Particular requirements for transportable table saws	25.140.20	2021-06
EN IEC 62934	Grid integration of renewable energy generation – Terms and definitions (IEC 62934:2021)	01.040.27; 01.040.29; 27.010; 27.190; 29.020; 29.240.01	2021-06
EN 63044-1/A1	Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS) – Part 1: General requirements (IEC 63044-1:2017/A1:2021)	29.120.01; 29.120.99; 97.120	2021-06
EN IEC 63203-204-1	Wearable electronic devices and technologies – Part 204-1: Electronic textile – Test method for assessing washing durability of leisurewear and sportswear e-textile systems (IEC 63203-204-1:2021)	59.080.01; 59.080.80	2021-06
EN IEC 63327	Automatic floor treatment machines for commercial use – Particular requirements (IEC 63327:2021)	13.120; 97.080	2021-06
EN 301549	Accessibility requirements for ICT products and services	53.080	2021-06
HD 62640/A12	Residual current devices with or without overcurrent protection for socket-outlets for household and similar uses	29.120.50	2021-06

Europska normizacija (ETSI)

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 101548-2 V 1.1.1	Access, Terminals, Transmission and Multiplexing (ATTM) – European Requirements for Reverse Powering of Remote Access Equipment – Part 2: Coaxial Cable Networks	33.060.40	2021-06
ETSI TS 103307 V 1.4.1	CYBER – Security Aspects for LI and RD Interfaces	33.040.99; 35.030	2021-06
ETSI TS 103368 V 1.2.1	Rail Telecommunications – Commands necessary for mobile radio equipment operation on railways	33.070.50	2021-06
ETSI TR 103395 V 1.1.2	Smart Body Area Network (SmartBAN) – Measurements and modelling of SmartBAN Radio Frequency (RF) environment	33.040.40; 35.110	2021-06
ETSI TS 103652-3 V 1.1.2	Reconfigurable Radio Systems (RRS) – evolved Licensed Shared Access (eLSA) – Part 3: Information elements and protocols for the interface between eLSA Controller (eLC) and eLSA Repository (eLR)	33.060.20	2021-06
ETSI TS 136133 V 14.18.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Requirements for support of radio resource management (3GPP TS 36.133 version 14.18.0 Release 14)	33.070.50; 33.070.99	2021-06
ETSI TS 136133 V 15.13.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Requirements for support of radio resource management (3GPP TS 36.133 version 15.13.0 Release 15)	33.070.50; 33.070.99	2021-06
ETSI TS 136133 V 16.9.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Requirements for support of radio resource management (3GPP TS 36.133 version 16.9.0 Release 16)	33.070.50; 33.070.99	2021-06
ETSI TS 136508 V 16.8.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Packet Core (EPC) – Common test environments for User Equipment (UE) conformance testing (3GPP TS 36.508 version 16.8.0 Release 16)	33.070.50	2021-06
ETSI TS 136521-1 V 16.8.1	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – User Equipment (UE) conformance specification – Radio transmission and reception – Part 1: Conformance testing (3GPP TS 36.521-1 version 16.8.1 Release 16)	33.070.50	2021-06
ETSI TS 136521-3 V 16.8.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – User Equipment (UE) conformance specification – Radio transmission and reception – Part 3: Radio Resource Management (RRM) conformance testing (3GPP TS 36.521-3 version 16.8.0 Release 16)	33.070.50	2021-06
ETSI TS 136523-1 V 16.8.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Packet Core (EPC) – User Equipment (UE) conformance specification – Part 1: Protocol conformance specification (3GPP TS 36.523-1 version 16.8.0 Release 16)	33.070.50	2021-06
ETSI TS 137571-1 V 16.8.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – User Equipment (UE) conformance specification for UE positioning – Part 1: Conformance test specification (3GPP TS 37.571-1 version 16.8.0 Release 16)	33.070.50	2021-06
ETSI TS 138133 V 15.13.0	5G – NR – Requirements for support of radio resource management (3GPP TS 38.133 version 15.13.0 Release 15)	33.070.99	2021-06
ETSI TS 138133 V 16.7.0	5G – NR – Requirements for support of radio resource management (3GPP TS 38.133 version 16.7.0 Release 16)	33.070.99	2021-06
ETSI TS 138508-1 V 16.7.0	5G – 5GS – User Equipment (UE) conformance specification – Part 1: Common test environment (3GPP TS 38.508-1 version 16.7.0 Release 16)	33.070.99	2021-06
ETSI TS 138521-1 V 16.7.0	5G – NR – User Equipment (UE) conformance specification – Radio transmission and reception – Part 1: Range 1 standalone (3GPP TS 38.521-1 version 16.7.0 Release 16)	33.070.99	2021-06

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 138521-2 V 16.7.0	5G – NR – User Equipment (UE) conformance specification – Radio transmission and reception – Part 2: Range 2 standalone (3GPP TS 38.521-2 version 16.7.0 Release 16)	33.070.99	2021-06
ETSI TS 138523-1 V 16.7.0	5G – 5GS – User Equipment (UE) conformance specification – Part 1: Protocol (3GPP TS 38.523-1 version 16.7.0 Release 16)	33.070.99	2021-06
ETSI TS 138533 V 16.7.0	5G – NR – User Equipment (UE) conformance specification – Radio Resource Management (RRM) (3GPP TS 38.533 version 16.7.0 Release 16)	33.070.99	2021-06
ETSI ES 201873-8 V 4.8.1	Methods for Testing and Specification (MTS) – The Testing and Test Control Notation version 3 – Part 8: The IDL to TTCN-3 Mapping	33.020	2021-06
ETSI ES 201873-9 V 4.12.1	Methods for Testing and Specification (MTS) – The Testing and Test Control Notation version 3 – Part 9: Using XML schema with TTCN-3	33.020; 35.100.60	2021-06
ETSI ES 201873-11 V 4.9.1	Methods for Testing and Specification (MTS) – The Testing and Test Control Notation version 3 – Part 11: Using JSON with TTCN-3	33.020	2021-06
ETSI ES 202784 V 1.8.1	Methods for Testing and Specification (MTS) – The Testing and Test Control Notation version 3 – TTCN-3 Language Extensions: Advanced Parameterization	33.020	2021-06
ETSI ES 202785 V 1.8.1	Methods for Testing and Specification (MTS) – The Testing and Test Control Notation version 3 – TTCN-3 Language Extensions: Behaviour Types	33.020	2021-06
ETSI GS F5G 009 V 1.1.1	Fifth Generation Fixed Network (F5G) – Proof of Concept Framework	33.070.99	2021-06
ETSI GR CIM 015 V 1.1.1	Context Information Management (CIM) – NGSI-LD Testing Environment Validation	35.080; 35.240.01	2021-06
ETSI GR ENI 009 V 1.1.1	Experiential Networked Intelligence (ENI) – Definition of data processing mechanisms	35.080; 35.110	2021-06
ETSI GR ETI 001 V 1.1.1	Encrypted Traffic Integration (ETI) – Problem Statement	35.030	2021-06
ETSI GS NFV-IFA 031 V 3.5.1	Network Functions Virtualisation (NFV) Release 3 – Management and Orchestration – Requirements and interfaces specification for management of NFV-MANO	35.110	2021-06
ETSI GS NFV-IFA 031 V 4.2.1	Network Functions Virtualisation (NFV) Release 4 – Management and Orchestration – Requirements and interfaces specification for management of NFV-MANO	35.110	2021-06
ETSI GS NFV-SOL 007 V 3.5.1	Network Functions Virtualisation (NFV) Release 3 – Protocols and Data Models – Network Service Descriptor File Structure Specification	35.110	2021-06
ETSI GS NFV-SOL 009 V 3.5.1	Network Functions Virtualisation (NFV) Release 3 – Protocols and Data Models: RESTful protocols specification for the management of NFV-MANO	35.110	2021-06
ETSI GS NFV-TST 010 V 2.7.1	Network Functions Virtualisation (NFV) Release 2 – Testing – API Conformance Testing Specification	35.110	2021-06
ETSI GS ZSM 003 V 1.1.1	Zero-touch network and Service Management (ZSM) – End-to-end management and orchestration of network slicing	35.080	2021-06
ETSI GS ZSM 009-1 V 1.1.1	Zero-touch network and Service Management (ZSM) – Closed-Loop Automation – Part 1: Enablers	35.080	2021-06
EN 300718-1 V 2.2.1	Avalanche Beacons operating at 457 kHz – Transmitter-receiver systems – Part 1: Harmonised Standard for access to radio spectrum	33.060.20; 97.220.20	2021-06

Oznaka norme	Naslov norme	ICS	Datum objave
EN 302296 V 2.2.1	Digital Terrestrial TV Transmitters – Harmonised Standard for access to radio spectrum	33.060.20; 33.170	2021-06
EN 303345-3 V 1.1.1	Broadcast Sound Receivers – Part 3: FM broadcast sound service – Harmonised Standard for access to radio spectrum	33.160.01; 33.170	2021-06
EN 303345-4 V 1.1.1	Broadcast Sound Receivers – Part 4: DAB broadcast sound service – Harmonised Standard for access to radio spectrum	33.160.01	2021-06
EN 303347-1 V 2.1.1	Meteorological Radars – Harmonised Standard for access to radio spectrum – Part 1: Meteorological Radar Sensor operating in the frequency band 2700 MHz to 2900 MHz (S band)	07.060; 33.060.99	2021-06
EN 303347-2 V 2.1.1	Meteorological Radars – Harmonised Standard for access to radio spectrum – Part 2: Meteorological Radar Sensor operating in the frequency band 5250 MHz to 5850 MHz (C band)	07.060; 33.060.99	2021-06
EN 303347-3 V 2.1.1	Meteorological Radars – Harmonised Standard for access to radio spectrum – Part 3: Meteorological Radar Sensor operating in the frequency band 9300 MHz to 9500 MHz (X band)	07.060; 33.060.99	2021-06

Međunarodna normizacija (ISO)

Oznaka norme	Naslov norme	ICS	Datum objave
ISO 248-1	Rubber, raw – Determination of volatile-matter content – Part 1: Hot-mill method and oven method	83.040.10	2021-06
ISO 407	Small medical gas cylinders – Pin-index yoke-type valve connections	11.040.10	2021-06
ISO 690	Information and documentation – Guidelines for bibliographic references and citations to information resources	01.140.20	2021-06
ISO 728	Coke – Size analysis by sieving	75.160.10	2021-06
ISO 788	Ultramarine pigments	87.060.10	2021-06
ISO 2692	Geometrical product specifications (GPS) – Geometrical tolerancing – Maximum material requirement (MMR), least material requirement (LMR) and reciprocity requirement (RPR)	01.100.20	2021-06
ISO 3065	Essential oil of Eucalyptus, Australian type	71.100.60	2021-06
ISO 3630-3	Dentistry – Endodontic instruments – Part 3: Compactors	11.060.20	2021-06
ISO 3837 AMD 1	Liquid petroleum products – Determination of hydrocarbon types – Fluorescent indicator adsorption method; Amendment 1	75.080	2021-06
ISO 3911	Wheels and rims for pneumatic tyres – Vocabulary, designation and marking	01.040.43; 43.040.50	2021-06
ISO 4548-6	Methods of test for full-flow lubricating oil filters for internal combustion engines – Part 6: Static burst pressure test	27.020	2021-06
ISO 5675	Agricultural tractors and machinery – General purpose quick-action hydraulic couplers	65.060.10	2021-06
ISO 5752	Metal valves for use in flanged pipe systems – Face-to-face and centre-to-face dimensions	23.060.01	2021-06
ISO 6107	Water quality – Vocabulary	01.040.13; 13.060.01	2021-06
ISO 6195	Fluid power systems and components – Cylinder-rod wiper-ring housings in reciprocating applications – Dimensions and tolerances	23.100.20	2021-06
ISO 6321	Animal and vegetable fats and oils – Determination of melting point in open capillary tubes – Slip point	67.200.10	2021-06
ISO 6488	Tobacco and tobacco products – Determination of water content – Karl Fischer method	65.160	2021-06
ISO 6621-3	Internal combustion engines – Piston rings – Part 3: Material specifications	43.060.10	2021-06
ISO 7301	Rice – Specification	67.060	2021-06
ISO 7319	Aerospace – Fluid systems – Interface of 24° cone metric couplings	49.080	2021-06
ISO 7320	Aerospace – Couplings, threaded and sealed, for fluid systems – Dimensions	49.080	2021-06
ISO 7752-5	Cranes – Control layout and characteristics – Part 5: Bridge and gantry cranes	53.020.20	2021-06
ISO 7823-3	Plastics – Poly(methyl methacrylate) sheets – Types, dimensions and characteristics – Part 3: Continuous cast sheets	83.140.10	2021-06
ISO 8130-2	Coating powders – Part 2: Determination of density by gas comparison pycnometer (referee method)	87.040	2021-06
ISO 8130-3	Coating powders – Part 3: Determination of density by liquid displacement pycnometer	87.040	2021-06
ISO 8130-5	Coating powders – Part 5: Determination of flow properties of a powder/air mixture	87.040	2021-06
ISO 8130-6	Coating powders – Part 6: Determination of gel time of thermosetting coating powders at a given temperature	87.040	2021-06

Oznaka norme	Naslov norme	ICS	Datum objave
ISO 8130-8	Coating powders – Part 8: Assessment of the storage stability of thermosetting powders	87.040	2021-06
ISO 8130-10	Coating powders – Part 10: Determination of deposition efficiency	87.040	2021-06
ISO 8167	Resistance welding – Embossed projection welding – Projections for resistance welding	25.160.30	2021-06
ISO 8287	Magnesium and magnesium alloys – Unalloyed magnesium – Chemical composition	77.120.20	2021-06
ISO 8847	Small craft – Steering gear – Cable over pulley systems	47.080	2021-06
ISO 9235	Aromatic natural raw materials – Vocabulary	01.040.71; 71.100.60	2021-06
ISO 9374-5	Cranes – Information to be provided – Part 5: Overhead travelling cranes and portal bridge cranes	53.020.20	2021-06
ISO 9869-2 AMD 1	Thermal insulation – Building elements – In-situ measurement of thermal resistance and thermal transmittance – Part 2: Infrared method for frame structure dwelling – Amendment 1: Example of calculation of uncertainty analysis	91.120.10	2021-06
ISO 10106	Cork stoppers – Determination of global migration	55.100; 79.100	2021-06
ISO 10315	Cigarettes – Determination of nicotine in total particulate matter from the mainstream smoke – Gas-chromatographic method	65.160	2021-06
ISO/TR 10358	Plastics pipes and fittings for industrial applications – Collection of data on combined chemical-resistance	23.040.20; 23.040.45	2021-06
ISO 10545-10	Ceramic tiles – Part 10: Determination of moisture expansion	91.100.23	2021-06
ISO 10545-15	Ceramic tiles – Part 15: Determination of lead and cadmium given off by tiles	91.100.23	2021-06
ISO 10619-2	Rubber and plastics hoses and tubing – Measurement of flexibility and stiffness – Part 2: Bending tests at sub-ambient temperatures	23.040.70	2021-06
ISO 10703	Water quality – Gamma-ray emitting radionuclides – Test method using high resolution gamma-ray spectrometry	13.060.60; 17.240	2021-06
ISO 11403-1	Plastics – Acquisition and presentation of comparable multipoint data – Part 1: Mechanical properties	83.080.01	2021-06
ISO 11403-3	Plastics – Acquisition and presentation of comparable multipoint data – Part 3: Environmental influences on properties	83.080.01	2021-06
ISO 12003-1	Tractors for agriculture and forestry – Roll-over protective structures on narrow tractors – Part 1: Front-mounted ROPS	65.060.10	2021-06
ISO 12003-2	Tractors for agriculture and forestry – Roll-over protective structures on narrow tractors – Part 2: Rear-mounted ROPS	65.060.10	2021-06
ISO 12017	Plastics – Poly(methyl methacrylate) double- and triple-skin sheets – Test methods	83.140.10	2021-06
ISO 12219-10	Interior air of road vehicles – Part 10: Whole vehicle test chamber – Specification and methods for the determination of volatile organic compounds in cabin interiors – Trucks and buses	13.040.20; 43.020	2021-06
ISO 12345	Diesel engines – Cleanliness assessment of fuel injection equipment	43.060.40	2021-06
ISO 12404	Soil and waste – Guidance on the selection and application of screening methods	13.080.10	2021-06

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ISO 12614-1	Road vehicles – Liquefied natural gas (LNG) fuel system components – Part 1: General requirements and definitions	43.060.40	2021-06
ISO 12614-2	Road vehicles – Liquefied natural gas (LNG) fuel system components – Part 2: Performance and general test methods	43.060.40	2021-06
ISO 12614-3	Road vehicles – Liquefied natural gas (LNG) fuel system components – Part 3: Check valve	43.060.40	2021-06
ISO 12614-4	Road vehicles – Liquefied natural gas (LNG) fuel system components – Part 4: Manual valve	43.060.40	2021-06
ISO 12614-5	Road vehicles – Liquefied natural gas (LNG) fuel system components – Part 5: Tank pressure gauge	43.060.40	2021-06
ISO 12614-7	Road vehicles – Liquefied natural gas (LNG) fuel system components – Part 7: Pressure relief valve (PRV)	43.060.40	2021-06
ISO 12614-8	Road vehicles – Liquefied natural gas (LNG) fuel system components – Part 8: Excess flow valve	43.060.40	2021-06
ISO 12614-9	Road vehicles – Liquefied natural gas (LNG) fuel system components – Part 9: Gas-tight housing and ventilation hose	43.060.40	2021-06
ISO 12614-10	Road vehicles – Liquefied natural gas (LNG) fuel system components – Part 10: Rigid fuel line in stainless steel	43.060.40	2021-06
ISO 12614-11	Road vehicles – Liquefied natural gas (LNG) fuel system components – Part 11: Fittings	43.060.40	2021-06
ISO 12614-12	Road vehicles – Liquefied natural gas (LNG) fuel system components – Part 12: Rigid fuel line in copper and its alloys	43.060.40	2021-06
ISO 12614-13	Road vehicles – Liquefied natural gas (LNG) fuel system components – Part 13: Tank pressure control regulator	43.060.40	2021-06
ISO 12614-14	Road vehicles – Liquefied natural gas (LNG) fuel system components – Part 14: Differential pressure fuel content gauge	43.060.40	2021-06
ISO 12614-15	Road vehicles – Liquefied natural gas (LNG) fuel system components – Part 15: Capacitance fuel content gauge	43.060.40	2021-06
ISO 12614-16	Road vehicles – Liquefied natural gas (LNG) fuel system components – Part 16: Heat exchanger-vaporizer	43.060.40	2021-06
ISO 12614-17	Road vehicles – Liquefied natural gas (LNG) fuel system components – Part 17: Natural gas detector	43.060.40	2021-06
ISO 12614-18	Road vehicles – Liquefied natural gas (LNG) fuel system components – Part 18: Gas temperature sensor	43.060.40	2021-06
ISO 12614-19	Road vehicles – Liquefied natural gas (LNG) fuel system components – Part 19: Automatic valve	43.060.40	2021-06
ISO 12635	Graphic technology – Plates for offset printing – Dimensions	37.100.10	2021-06
ISO 12647-9	Graphic technology – Process control for the production of half-tone colour separations, proof and production prints – Part 9: Metal decoration printing processes using offset lithography	37.100.01	2021-06
ISO 12759-5	Fans – Efficiency classification for fans – Part 5: Jet fans	23.120	2021-06
ISO 13142	Optics and photonics – Lasers and laser-related equipment – Cavity ring-down method for high-reflectance and high-transmittance measurements	31.260	2021-06

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ISO 13162	Water quality – Carbon 14 – Test method using liquid scintillation counting	13.060.60; 17.240	2021-06
ISO 13468-2	Plastics – Determination of the total luminous transmittance of transparent materials – Part 2: Double-beam instrument	83.080.01	2021-06
ISO 13541	Space data and information transfer systems – Attitude data messages	49.140	2021-06
ISO 13609	Wood-based panels – Plywood – Blockboards and battenboards	79.060.99	2021-06
ISO 14200	Space environment (natural and artificial) – Process-based implementation of meteoroid and debris environment models (orbital altitudes below GEO + 2000 km)	49.140	2021-06
ISO 14245	Gas cylinders – Specifications and testing of LPG cylinder valves – Self-closing	23.020.35	2021-06
ISO 14490-5	Optics and photonics – Test methods for telescopic systems – Part 5: Test methods for transmittance	37.020	2021-06
ISO 14631	Extruded sheets of impact-modified polystyrene (PS-I) – Requirements and test methods	83.140.10	2021-06
ISO 14852	Determination of the ultimate aerobic biodegradability of plastic materials in an aqueous medium – Method by analysis of evolved carbon dioxide	83.080.01	2021-06
ISO 15192	Soil and waste – Determination of Chromium(VI) in solid material by alkaline digestion and ion chromatography with spectrophotometric detection	13.080.10	2021-06
ISO 15253	Ophthalmic optics and instruments – Optical and electro-optical devices for enhancing low vision	11.040.70	2021-06
ISO 15638-24	Intelligent transport systems – Framework for collaborative telematics applications for regulated commercial freight vehicles (TARV) – Part 24: Safety information provisioning	03.220.20; 35.240.60	2021-06
ISO 15886-2	Agricultural irrigation equipment – Sprinklers – Part 2: Design and operation requirements	65.060.35	2021-06
ISO 15928-7	Houses – Description of performance – Part 7: Accessibility and usability	91.040.01; 91.080.01	2021-06
ISO 15995	Gas cylinders – Specifications and testing of LPG cylinder valves – Manually operated	23.020.35	2021-06
ISO 16075-5	Guidelines for treated wastewater use for irrigation projects – Part 5: Treated wastewater disinfection and equivalent treatments	13.060.01; 13.060.30	2021-06
ISO 16181-2	Footwear – Critical substances potentially present in footwear and footwear components – Part 2: Determination of phthalate without solvent extraction	61.060	2021-06
ISO 16840-10	Wheelchair seating – Part 10: Resistance to ignition of postural support devices – Requirements and test method	11.180.10	2021-06
ISO 16840-13	Wheelchair seating – Part 13: Determination of the lateral stability property of a seat cushion	11.180.10	2021-06
ISO 17225-1	Solid biofuels – Fuel specifications and classes – Part 1: General requirements	27.190; 75.160.40	2021-06
ISO 17420-5	Respiratory protective devices – Performance requirements – Part 5: Special application fire and rescue services – Supplied breathable gas RPD and filtering RPD	13.340.30	2021-06
ISO 17555	Plastics – Film and sheeting – Biaxially oriented polypropylene (PP) films	83.140.10	2021-06

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ISO 17633 AMD 1	Welding consumables – Tubular cored electrodes and rods for gas shielded and non-gas shielded metal arc welding of stainless and heat-resisting steels – Classification; Amendment 1	25.160.20	2021-06
ISO 17885	Plastics piping systems – Mechanical fittings for pressure piping systems – Specifications	23.040.45; 75.200	2021-06
ISO 17889-1	Ceramic tiling systems – Sustainability for ceramic tiles and installation materials – Part 1: Specification for ceramic tiles	91.100.23	2021-06
ISO/TR 18228-3	Design using geosynthetics – Part 3: Filtration	59.080.70	2021-06
ISO/TR 18228-7	Design using geosynthetics – Part 7: Reinforcement	59.080.70	2021-06
ISO 18441	Space data and information transfer systems – Space link extension – Application program interface for transfer services – Core specification	49.140	2021-06
ISO 18447	Tea – Determination of theaflavins in black tea – Method using high performance liquid chromatography	67.140.10	2021-06
ISO 18541-1	Road vehicles – Standardized access to automotive repair and maintenance information (RMI) – Part 1: General information and use case definition	43.040.15; 43.180	2021-06
ISO 18541-2	Road vehicles – Standardized access to automotive repair and maintenance information (RMI) – Part 2: Technical requirements	43.040.15; 43.180	2021-06
ISO 18541-3	Road vehicles – Standardized access to automotive repair and maintenance information (RMI) – Part 3: Functional user interface requirements	43.040.15; 43.180	2021-06
ISO 18541-4	Road vehicles – Standardized access to automotive repair and maintenance information (RMI) – Part 4: Conformance test	43.040.15; 43.180	2021-06
ISO 18646-3	Robotics – Performance criteria and related test methods for service robots – Part 3: Manipulation	25.040.30	2021-06
ISO 19095-6	Plastics – Evaluation of the adhesion interface performance in plastic-metal assemblies – Part 6: Accelerated degradation test	83.180	2021-06
ISO 19111 AMD 1	Geographic information – Referencing by coordinates; Amendment 1	35.240.70	2021-06
ISO 19116 AMD 1	Geographic information – Positioning services; Amendment 1	35.240.70	2021-06
ISO/TR 19169	Geographic Information – Gap-analysis: mapping and describing the differences between the current GDF and ISO/TC 211 conceptual models to suggest ways to harmonize and resolve conflicting issues	35.240.70	2021-06
ISO 19264-1	Photography – Archiving systems – Imaging systems quality analysis – Part 1: Reflective originals	01.140.20; 37.040.01	2021-06
ISO 19318	Surface chemical analysis – X-ray photoelectron spectroscopy – Reporting of methods used for charge control and charge correction	71.040.40	2021-06
ISO 19475	Document management – Minimum requirements for the storage of documents	37.080	2021-06
ISO 19818-1	Eye and face protection – Protection against laser radiation – Part 1: Requirements and test methods	13.340.20	2021-06
ISO/TS 19857	Paper, board and printing inks – Printability – Laboratory test method for offset ink setting	37.100.20; 85.060; 87.080	2021-06
ISO 19980	Ophthalmic instruments – Corneal topographers	11.040.70	2021-06
ISO 20193 AMD 1	Tobacco and tobacco products – Determination of the width of the strands of cut tobacco – Amendment 1	65.160	2021-06

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ISO 20257-2	Installation and equipment for liquefied natural gas – Design of floating LNG installations – Part 2: Specific FSRU issues	75.200	2021-06
ISO 20291-1	Air cargo – Restraint slings – Part 1: Design and testing	55.180.30	2021-06
ISO 20291-2	Air cargo – Restraint slings – Part 2: Utilization requirements and recommendations and lashing calculations	55.180.30	2021-06
ISO 20468-5	Guidelines for performance evaluation of treatment technologies for water reuse systems – Part 5: Membrane filtration	13.020.40; 13.060.01	2021-06
ISO 20468-6	Guidelines for performance evaluation of treatment technologies for water reuse systems – Part 6: Ion exchange and electro dialysis	13.020.40; 13.060.01	2021-06
ISO 20468-7	Guidelines for performance evaluation of treatment technologies for water reuse systems – Part 7: Advanced oxidation processes technology	13.020.40; 13.060.01	2021-06
ISO 20743	Textiles – Determination of antibacterial activity of textile products	07.100.99; 59.080.01	2021-06
ISO 21077	Space data and information transfer systems – Digital motion imagery	49.140	2021-06
ISO 21542	Building construction – Accessibility and usability of the built environment	91.060.01	2021-06
ISO 21629-1	Bamboo floorings – Part 1: Indoor use	97.150	2021-06
ISO 21654	Solid recovered fuels – Determination of calorific value	75.160.10	2021-06
ISO 21773	Methods of test and characterization of performance for energy recovery components	23.120; 91.120.10	2021-06
ISO/TS 21868	Textile floor coverings – State of the art and guidance on maintenance and cleaning	97.150	2021-06
ISO 21919-2	Physical device control – Interfaces for automated machine tending – Part 2: Safety and control interface	25.040.20	2021-06
ISO 21925-2	Fire resistance tests – Fire dampers for air distribution systems – Part 2: Intumescent dampers	13.220.50	2021-06
ISO/TR 21934-1	Road vehicles – Prospective safety performance assessment of pre-crash technology by virtual simulation – Part 1: State-of-the-art and general method overview	43.020	2021-06
ISO/TS 22115	Animal and vegetable fats and oils – Separation of lipid classes by capillary gas chromatography (fingerprint method)	67.200.10	2021-06
ISO 22140	Passenger cars – Validation of vehicle dynamics simulation – Lateral transient response test methods	43.100	2021-06
ISO 22156	Bamboo structures – Bamboo culms – Structural design	91.080.20	2021-06
ISO/TS 22292	Nanotechnologies – 3D image reconstruction of rod-supported nano-objects using transmission electron microscopy	07.120	2021-06
ISO 22407	Metallic materials – Fatigue testing – Axial plane bending method	77.040.10	2021-06
ISO 22413	Transfer sets for pharmaceutical preparations – Requirements and test methods	11.040.20	2021-06
ISO 22453	Exchange of information on rare earth elements in industrial wastes and end-of-life cycled products	13.030.30; 13.030.50	2021-06
ISO 22497	Doors, windows and curtain walling – Curtain walling – Vocabulary	91.060.10	2021-06

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ISO 22548	Ships and marine technology – Performance test procedures for LNG fuel gas supply systems (FGSS) for ships	47.020.99	2021-06
ISO 22669	Space data and information transfer systems – Space link extension (SLE) – Return-all-frames service specification	49.140	2021-06
ISO 22670	Space data and information transfer systems – Space link extension (SLE) – Return-channel-frames service specification	49.140	2021-06
ISO 22671	Space data and information transfer systems – Space link extension (SLE) – Forward communications link transmission unit (CLTU) service specification	49.140	2021-06
ISO 22672	Space data and information transfer systems – Space link extension (SLE) – Forward space packet service specification	49.140	2021-06
ISO/TS 22693	Genomics informatics – Structured clinical gene fusion report in electronic health records	35.240.80	2021-06
ISO 22899-1	Determination of the resistance to jet fires of passive fire protection materials – Part 1: General requirements	13.220.50	2021-06
ISO 22915-3	Industrial trucks – Verification of stability – Part 3: Reach and straddle trucks	53.060	2021-06
ISO 22927	Rare earth – Packaging and labelling	13.030.30	2021-06
ISO 22956	Healthcare organization management – Requirements for patient-centred staffing	11.020.01	2021-06
ISO/TR 23173	Surface chemical analysis – Electron spectroscopies – Measurement of the thickness and composition of nanoparticle coatings	07.120	2021-06
ISO 23190	Traditional Chinese medicine – Determination of aristolochic acids in natural products by high-performance liquid chromatography (HPLC)	11.120.10	2021-06
ISO 23195	Security objectives of information systems of third-party payment services	03.060; 35.240.40	2021-06
ISO 23239-1	Road vehicles – Vehicle domain service (VDS) – Part 1: General information and use case definitions	43.040.15	2021-06
ISO 23345	Jewellery and precious metals – Non destructive precious metal fineness confirmation by ED-XRF	19.100; 39.060	2021-06
ISO 23369	Hydraulic fluid power – Multi-pass method of evaluating filtration performance of a filter element under cyclic flow conditions	23.100.60	2021-06
ISO/TR 23476	Ergonomics – Application of ISO 11226, the ISO 11228 series and ISO/TR 12295 in the agricultural sector	13.180	2021-06
ISO 23592	Service excellence – Principles and model	03.080.01	2021-06
ISO 23671	Passenger car tyres – Method for measuring relative wet grip performance – Loaded new tyres	83.160.10	2021-06
ISO 23832	Plastics – Test methods for determination of degradation rate and disintegration degree of plastic materials exposed to marine environmental matrices under laboratory conditions	83.080.01	2021-06
ISO 23856	Plastics piping systems for pressure and non-pressure water supply, drainage or sewerage – Glass-reinforced thermosetting plastics (GRP) systems based on unsaturated polyester (UP) resin	23.040.20; 91.140.80; 93.030	2021-06
ISO/TS 24082	Service excellence – Designing excellent service to achieve outstanding customer experiences	03.080.01	2021-06

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ISO 26143	Space data and information transfer systems – Space link extension (SLE) – Return operational control fields service specification	49.140	2021-06
ISO 28199-2	Paints and varnishes – Evaluation of properties of coating systems related to the spray application process – Part 2: Colour stability, process hiding power, re-dissolving, overspray absorption, wetting, surface texture and mottling	87.040	2021-06
ISO 28199-3	Paints and varnishes – Evaluation of properties of coating systems related to the spray application process – Part 3: Assessment of sagging, formation of bubbles, pinholing and hiding power	87.040	2021-06
ISO 45003	Occupational health and safety management – Psychological health and safety at work – Guidelines for managing psychosocial risks	13.100	2021-06

Međunarodna normizacija (IEC)

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IEC 60050-195	International Electrotechnical Vocabulary (IEV) – Part 195: Earthing and protection against electric shock	01.040.13; 01.040.29; 13.260; 29.020	2021-06
IEC 60076-22-8	Power transformers – Part 22-8: Power transformer and reactor fittings – Devices suitable for use in communication networks	29.180	2021-06
IEC 60309-1	Plugs, fixed or portable socket-outlets and appliance inlets for industrial purposes – Part 1: General requirements	29.120.30	2021-06
IEC 60309-2	Plugs, fixed or portable socket-outlets and appliance inlets for industrial purposes – Part 2: Dimensional compatibility requirements for pin and contact-tube accessories	29.120.30	2021-06
IEC 60309-4	Plugs, fixed or portable socket-outlets and appliance inlets for industrial purposes – Part 4: Switched socket-outlets with or without interlock	29.120.30	2021-06
IEC 60335-2-79	Household and similar electrical appliances – Safety – Part 2-79: Particular requirements for high pressure cleaners and steam cleaners	97.080	2021-06
IEC 60455-3-8	Resin based reactive compounds used for electrical insulation – Part 3-8: Specifications for individual materials – Resins for cable accessories	29.035.20	2021-06
IEC 60545	Guidelines for commissioning and operation of hydraulic turbines, pump-turbines and storage pumps	23.100.10; 27.100	2021-06
IEC 60695-4	Fire hazard testing – Part 4: Terminology concerning fire tests for electrotechnical products	01.040.13; 01.040.29; 13.220.40; 29.020	2021-06
IEC/TS 60695-5-2	Fire hazard testing – Part 5-2: Corrosion damage effects of fire effluent – Summary and relevance of test methods	13.220.40; 13.220.99; 19.020; 29.020	2021-06
IEC/TS 60695-11-40	Fire hazard testing – Part 11-40: Test flames – Confirmatory tests – Guidance	13.220.40; 29.020	2021-06
IEC 60747-5-13	Semiconductor devices – Part 5-13: Optoelectronic devices – Hydrogen sulphide corrosion test for LED packages	31.260	2021-06
IEC 60747-8 AMD 1	Semiconductor devices – Discrete devices – Part 8: Field-effect transistors; Amendment 1	31.080.30	2021-06
IEC 60747-8 Edition 3.1	Semiconductor devices – Discrete devices – Part 8: Field-effect transistors	31.080.30	2021-06
IEC 60757	Code for designation of colours	01.070; 29.020	2021-06
IEC 60794-1-31	Optical fibre cables – Part 1-31: Generic specification – Optical cable elements – Optical fibre ribbon	33.180.10; 33.180.99	2021-06
IEC 60825-2 Corrigendum 1	Safety of laser products – Part 2: Safety of optical fibre communication systems (OFCSs); Corrigendum 1	13.280; 31.260; 33.180.01	2021-06
IEC 60851-1	Winding wires – Test methods – Part 1: General	01.040.29; 29.060.10	2021-06
IEC/TR 60909-4	Short-circuit currents in three-phase AC systems – Part 4: Examples for the calculation of short-circuit currents	17.220.01; 29.240.20	2021-06
IEC 60938-1	Fixed inductors for electromagnetic interference suppression – Part 1: Generic specification	29.100.10; 29.180; 31.020	2021-06
IEC 60974-1	Arc welding equipment – Part 1: Welding power sources	25.160.30	2021-06
IEC 61000-3-12 AMD 1	Electromagnetic compatibility (EMC) – Part 3-12: Limits – Limits for harmonic currents produced by equipment connected to public low-voltage systems with input current > 16 A and 75 A per phase; Amendment 1	33.100.10	2021-06

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IEC 61000-3-12 Edition 2.1	Electromagnetic compatibility (EMC) – Part 3-12: Limits – Limits for harmonic currents produced by equipment connected to public low-voltage systems with input current > 16 A and 75 A per phase	33.100.10	2021-06
IEC 61007 Corrigendum 1	Transformers and inductors for use in electronic and telecommunication equipment – Measuring methods and test procedures; Corrigendum 1	29.180	2021-06
IEC 61076-2-011	Connectors for electrical and electronic equipment – Product requirements – Part 2-011: Circular connectors – Detail specification for B12 bayonet coupling connectors based on mating interfaces according to IEC 61076-2-101 and IEC 61076-2-109	31.220.10	2021-06
IEC 61097-2	Global maritime distress and safety system (GMDSS) – Part 2: Cospas-Sarsat EPIRB – Emergency position indicating radio beacon operating on 406 MHz – Operational and performance requirements, methods of testing and required test results	47.020.70	2021-06
IEC 61318	Live working – Methods for assessment of defects and verification of performance applicable to tools, devices and equipment	13.260; 29.240.20; 29.260.99	2021-06
IEC 61452	Nuclear instrumentation – Measurement of activity or emission rate of gamma- ray emitting radionuclides – Calibration and use of germanium-based spectrometers	17.240	2021-06
IEC 61558-2-16	Safety of transformers, reactors, power supply units and combinations thereof – Part 2-16: Particular requirements and tests for switch mode power supply units and transformers for switch mode power supply units for general applications	29.180	2021-06
IEC 61588	Precision Clock Synchronization Protocol for Networked Measurement and Control Systems	25.040.40; 35.110; 35.240.50; 39.040.99	2021-06
IEC/TR 61597	Overhead electrical conductors – Calculation methods for stranded bare conductors	29.240.20	2021-06
IEC 61636	Software Interface for Maintenance Information Collection and Analysis (SIMICA)	25.040.01; 35.060; 35.200	2021-06
IEC 61636-1	Software Interface for Maintenance Information Collection and Analysis (SIMICA): Exchanging Test Results and Session Information via the eXtensible Markup Language (XML)	25.040.01; 35.060	2021-06
IEC 61666 AMD 1	Industrial systems, installations and equipment and industrial products – Identification of terminals within a system; Amendment 1	01.080.30	2021-06
IEC 61666 Edition 2.1	Industrial systems, installations and equipment and industrial products – Identification of terminals within a system	01.080.30	2021-06
IEC 61691-6	Behavioural languages – Part 6: VHDL Analog and Mixed-Signal Extensions	25.040.01; 35.060; 35.080	2021-06
IEC/TR 61850-90-16	Communication networks and systems in power utility automations – Part 90-16: Requirements of system management for Smart Energy Automation	33.040.40; 33.200	2021-06
IEC 61970-600-1	Energy management system application program interface (EMS-API) – Part 600-1: Common Grid Model Exchange Standard (CGMES) – Structure and rules	33.200; 35.240.50	2021-06
IEC 61970-600-2	Energy management system application program interface (EMS-API) – Part 600-2: Common Grid Model Exchange Standard (CGMES) – Exchange profiles specification	33.200; 35.240.50	2021-06

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IEC 62047-38	Semiconductor devices – Micro-electromechanical devices – Part 38: Test method for adhesion strength of metal powder paste in MEMS interconnection	31.080.99; 31.220.01	2021-06
IEC 62047-41	Semiconductor devices – Micro-electromechanical devices – Part 41: RF MEMS circulators and isolators	31.080.01; 31.080.99; 31.220.01	2021-06
IEC 62053-41	Electricity metering equipment – Particular requirements – Part 41: Static meters for DC energy (classes 0,5 and 1)	17.220.20; 91.140.50	2021-06
IEC 62271-105	High-voltage switchgear and controlgear – Part 105: Alternating current switch-fuse combinations for rated voltages above 1 kV up to and including 52 kV	29.130.10	2021-06
IEC 62271-213	High-voltage switchgear and controlgear – Part 213: Voltage detecting and indicating system	13.260; 29.130.10; 29.240.20	2021-06
IEC 62271-215	High-voltage switchgear and controlgear – Part 215: Phase comparator used with VDIS	13.260; 29.130.10; 29.240.20	2021-06
IEC 62878-2-602	Device embedding assembly technology – Part 2-602: Guideline for stacked electronic module – Evaluation method of inter-module electrical connectivity	31.180; 31.190	2021-06
IEC/TS 62893-4-2	Charging cables for electric vehicles of rated voltages up to and including 0,6/1 kV – Part 4-2: Cables for DC charging according to mode 4 of IEC 61851-1 – Cables intended to be used with a thermal management system	29.060.20; 43.120	2021-06
IEC 63044-4	Home and building electronic systems (HBES) and building automation and control systems (BACS) – Part 4: General functional safety requirements for products intended to be integrated in HBES and BACS	29.120.01; 29.120.99; 97.120	2021-06
IEC 63044-6	Home and building electronic systems (HBES) and building automation and control systems (BACS) – Part 6: Requirements for planning and installation	29.120.01; 29.120.99; 97.120	2021-06
IEC 63056 Corrigendum 1	Secondary cells and batteries containing alkaline or other non-acid electrolytes – Safety requirements for secondary lithium cells and batteries for use in electrical energy storage systems; Corrigendum 1	29.220.30	2021-06
IEC 63085	Radiation protection instrumentation – System of spectral identification of liquids in transparent and semitransparent containers (Raman systems)	13.280; 17.240	2021-06
IEC 63112	Photovoltaic (PV) arrays – Earth fault protection equipment – Safety and safety-related functionality	27.160; 29.120.50	2021-06
IEC 63173-1	Maritime navigation and radiocommunication equipment and systems – Data interfaces – Part 1: S-421 route plan based on S-100	47.020.70	2021-06
IEC 63203-101-1	Wearable electronic devices and technologies – Part 101-1: Terminology	01.040.31; 01.040.59; 31.080.99; 59.080.80	2021-06
IEC/TR 63203-250-1	Wearable electronic devices and technologies – Part 250-1: Electronic textile – Snap fastener connectors between e-textiles and detachable electronic devices	31.080.99; 59.080.80	2021-06
IEC/TS 63236-1	Direct current (DC) appliance couplers for information and communication technology (ICT) equipment installed in data centres and telecom central offices – Part 1: 2,6 kW system	29.120.01; 29.120.30; 31.220.10	2021-06
IEC/TS 63236-2	Direct current (DC) appliance couplers for information and communication technology (ICT) equipment installed in data centres and telecom central offices – Part 2: 5,2 kW system	29.120.01; 29.120.30; 31.220.10	2021-06

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IEC/TS 63236-3	Direct current (DC) appliance couplers for information and communication technology (ICT) equipment installed in data centres and telecom central offices – Part 3: AC/DC appliance inlet	29.120.01; 29.120.30; 31.220.10	2021-06
IEC 63249-1	Waveguide to coaxial adapters – Part 1: Generic specification – General requirements and test methods	33.120.10; 33.120.99	2021-06
IEC/TR 63250	Household and similar electrical appliances – Method of measuring performance – Assessment of repeatability, reproducibility and uncertainty	19.020; 97.030	2021-06
ISO/IEC 1539-1 Technical Corrigendum 1	Information technology – Programming languages – Fortran – Part 1: Base language; Technical Corrigendum 1	35.060	2021-06
ISO/IEC 8824-1	Information technology – Abstract Syntax Notation One (ASN.1) – Part 1: Specification of basic notation	35.100.60	2021-06
ISO/IEC 8824-2	Information technology – Abstract Syntax Notation One (ASN.1) – Part 2: Information object specification	35.100.60	2021-06
ISO/IEC 8824-3	Information technology – Abstract Syntax Notation One (ASN.1) – Part 3: Constraint specification	35.100.60	2021-06
ISO/IEC 8824-4	Information technology – Abstract Syntax Notation One (ASN.1) – Part 4: Parameterization of ASN.1 specifications	35.100.60	2021-06
ISO/IEC 8825-1	Information technology – ASN.1 encoding rules – Part 1: Specification of Basic Encoding Rules (BER), Canonical Encoding Rules (CER) and Distinguished Encoding Rules (DER)	35.100.60	2021-06
ISO/IEC 8825-2	Information technology – ASN.1 encoding rules – Part 2: Specification of Packed Encoding Rules (PER)	35.100.60	2021-06
ISO/IEC 8825-3	Information technology – ASN.1 encoding rules – Part 3: Specification of Encoding Control Notation (ECN)	35.100.60	2021-06
ISO/IEC 8825-4	Information technology – ASN.1 encoding rules – Part 4: XML Encoding Rules (XER)	35.100.60	2021-06
ISO/IEC 8825-5	Information technology – ASN.1 encoding rules – Part 5: Mapping W3C XML schema definitions into ASN.1	35.100.60	2021-06
ISO/IEC 8825-6	Information technology – ASN.1 encoding rules – Part 6: Registration and application of PER encoding instructions	35.100.60	2021-06
ISO/IEC 8825-7	Information technology – ASN.1 encoding rules – Part 7: Specification of Octet Encoding Rules (OER)	35.100.60	2021-06
ISO/IEC 8825-8	Information technology – ASN.1 encoding rules – Part 8: Specification of JavaScript Object Notation Encoding Rules (JER)	35.100.60	2021-06
ISO/IEC 9797-2	Information security – Message authentication codes (MACs) – Part 2: Mechanisms using a dedicated hash-function	35.030	2021-06
ISO/IEC 15938-16	Information technology – Multimedia content description interface – Part 16: Conformance and reference software for compact descriptors for video analysis	35.040.40	2021-06
ISO/IEC 17760-103	Information technology – AT Attachment – Part 103: ATA/ATAPI Command Set – 3 (ACS-3)	35.200	2021-06
ISO/IEC 18033-3 AMD 1	Information technology – Security techniques – Encryption algorithms – Part 3: Block ciphers – Amendment 1: SM4	35.030	2021-06
ISO/IEC 19566-5 AMD 1	Information technologies – JPEG systems – Part 5: JPEG universal metadata box format (JUMBF) – Amendment 1: Support for embedding mixed codestreams	35.040.30	2021-06

Oznaka norme	Naslov norme	ICS	Datum objave
ISO/IEC 19566-6 AMD 1	Information technologies – JPEG systems – Part 6: JPEG 360 – Amendment 1: Addition of new JPEG 360 image types and accelerated ROI rendering	35.040.30	2021-06
ISO/IEC 19770-11	Information technology – IT asset management – Part 11: Requirements for bodies providing audit and certification of IT asset management systems	03.120.20; 35.080	2021-06
ISO/IEC TR 22116	Information technology – A study of the differential impact of demographic factors in biometric recognition system performance	35.240.15	2021-06
ISO/IEC 23000-21 AMD 1	Information technology – Multimedia application format (MPEG-A) – Part 21: Visual identity management application format – Amendment 1: Conformance and reference software	35.040.40	2021-06
ISO/IEC 23090-5	Information technology – Coded representation of immersive media – Part 5: Visual volumetric video-based coding (V3C) and video-based point cloud compression (V-PCC)	35.040.40	2021-06
ISO/IEC 23090-6	Information technology – Coded representation of immersive media – Part 6: Immersive media metrics	35.040.40	2021-06
ISO/IEC 23127-1	Information technology – Learning, education, and training – Metadata for facilitators of online learning – Part 1: Framework	03.180; 35.240.90	2021-06
ISO/IEC 23200-1	Information technology – Radio frequency identification for item management – Part 1: Interference rejection performance test method between a tag as defined in ISO/IEC 18000-63 and a heterogeneous wireless system	35.040.50	2021-06
ISO/IEC 23544	Information Technology – Data centres – Application Platform Energy Effectiveness (APEE)	35.020	2021-06
ISO/IEC 30137-4	Information technology – Use of biometrics in video surveillance systems – Part 4: Ground truth and video annotation procedure	35.240.15	2021-06
ISO/IEC TR 30167	Internet of Things (IoT) – Underwater communication technologies for IoT	33.020	2021-06
ISO/IEC 39794-9	Information technology – Extensible biometric data interchange formats – Part 9: Vascular image data	35.240.15	2021-06
ISO/IEC 39794-16	Information technology – Extensible biometric data interchange formats – Part 16: Full body image data	35.240.15	2021-06
ISO/IEC 39794-17	Information technology – Extensible biometric data interchange formats – Part 17: Gait image sequence data	35.240.15	2021-06
IEC 62990-2	Workplace atmospheres – Part 2: Gas detectors – Selection, installation, use and maintenance of detectors for toxic gases and vapours	13.040.30	2021-06