

Hrvatski zavod za norme

Oglasnik za normativne dokumente

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

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

Izdavač:



HZN

Hrvatski zavod za norme
Croatian Standards Institute

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1 Rezultati hrvatske normizacije

1.1 Hrvatske norme

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

Hrvatske norme mogu nastati na ova tri načina:

- prihvaćanjem stranih (međunarodnih/europskih/nacionalnih) norma uz prevođenje na hrvatski jezik (pp)
- 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 28, Naftni proizvodi i maziva

HRN EN 16906:2023 en pr
Tekući naftni proizvodi – Određivanje kvalitete paljenja dizelskih goriva – Motorna metoda s definiranim omjerom kompresije (EN 16906:2023)
Liquid petroleum products – Determination of the ignition quality of diesel fuels – Fixed compression ratio engine method (EN 16906:2023)

HRN EN 17306:2023 en pr
Tekući naftni proizvodi – Određivanje značajki destilacije pri atmosferskom tlaku – Mikrodestilacija (EN 17306:2023)
Liquid petroleum products – Determination of distillation characteristics at atmospheric pressure – Micro-distillation (EN 17306:2023)

HZN/TO 44, Zavarivanje i srodni postupci

HRN EN ISO 9012:2023 en pr
Oprema za plinsko zavarivanje – Ručni plamenici s usisavanjem zraka – Specifikacije i ispitivanja (ISO 9012:2023; EN ISO 9012:2023)
Gas welding equipment – Air-aspirated hand blowpipes – Specifications and tests (ISO 9012:2023; EN ISO 9012:2023)

HZN/TO 71, Beton

HRN EN 14488-3:2023 en pr
Ispitivanje mlaznoga betona – 3. dio: Čvrstoća na savijanje (prvi vrh, konačna i preostala) vlaknima ojačanoga uzorka grede (mikroarmiranoga betona) (EN 14488-3:2023)
Testing sprayed concrete – Part 3: Flexural strengths (first peak, ultimate and residual) of fibre reinforced beam specimens (EN 14488-3:2023)

HZN/TO 108, Mehaničke vibracije i udari

HRN ISO 20816-3:2023 en pr
Mehaničke vibracije – Mjerenje i ocjenjivanje vibracija strojeva – 3. dio: Industrijski strojevi nazivne snage iznad 15 kW i radnih brzina između 120 o/min i 30 000 o/min (ISO 20816-3:2022)
Mechanical vibration – Measurement and evaluation of machine vibration – Part 3: Industrial machinery with a power rating above 15 kW and operating speeds between 120 r/min and 30 000 r/min (ISO 20816-3:2022)

HRN ISO 21940-21:2023 en pr
Mehaničke vibracije – Uravnoteživanje rotora – 21. dio: Opis i procjena strojeva za uravnoteživanje (ISO 21940-21:2022)
Mechanical vibration – Rotor balancing – Part 21: Description and evaluation of balancing machines (ISO 21940-21:2022)

HZN/TO 121, Anestetička i respiracijska oprema

HRN EN ISO 10524-1:2019/A1:2023 en pr
Regulatori tlaka za uporabu s medicinskim plinovima – 1. dio: Regulatori tlaka i regulatori tlaka s uređajima za mjerenje protoka (ISO 10524-1:2018/Amd 1:2023; EN ISO 10524-1:2019/A1:2023)
Pressure regulators for use with medical gases – Part 1: Pressure regulators and pressure regulators with flow-metering devices (ISO 10524-1:2018/Amd 1:2023; EN ISO 10524-1:2019/A1:2023)

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

HRS CEN/TS 1455-2:2023 en pr
Plastični cijevni sustavi za odvodnju onečišćenih i otpadnih voda (niske i visoke temperature) unutar građevinskih konstrukcija – Akrlonitril/butadien/stiren (ABS) – 2. dio: Ocjena sukladnosti (CEN/TS 1455-2:2023)
Plastics piping systems for soil and waste discharge (low and high temperature) within the building structure – Acrylonitrile-butadiene-styrene (ABS) – Part 2: Assessment of conformity (CEN/TS 1455-2:2023)

HRS CEN/TS 1566-2:2023 en pr
Plastični cijevni sustavi za odvodnju onečišćenih i otpadnih voda (niske i visoke temperature) unutar građevinskih konstrukcija – Klorirani poli(vinil-klorid) (PVC-C) – 2. dio: Ocjena sukladnosti (CEN/TS 1566-2:2023)
Plastics piping systems for soil and waste discharge (low and high temperature) within the building structure – Chlorinated poly(vinyl chloride) (PVC-C) – Part 2: Assessment of conformity (CEN/TS 1566-2:2023)

HRN EN ISO 2505:2023 en pr
Plastomerne cijevi – Uzdužni povrat – Metode ispitivanja i parametri (ISO 2505:2023; EN ISO 2505:2023)
Thermoplastics pipes – Longitudinal reversion – Test method and parameters (ISO 2505:2023; EN ISO 2505:2023)

HRN EN 17670-2:2023 en pr
Plastični cijevni sustavi za netlačni podzemni transport i skladištenje nepitke vode – Okna, kontrolne komore i cestovni slivnici za sustav oborinskih voda izrađeni od neomekšanog poli(vinil-klorida) (PVC-U), polipropilena (PP) i polietilena (PE) – 2. dio: Specifikacija za cestovne slivnike (EN 17670-2:2023)
Plastics piping systems for non-pressure underground conveyance of surface water – Unplasticized poly(vinyl chloride) (PVC-U), polypropylene (PP) and polyethylene (PE) – Part 2: Specification for road gullies (EN 17670-2:2023)

HZN/TO 146, Kvaliteta zraka

HRN ISO 16000-3:2023 en pr
Zrak u zatvorenom prostoru – 3. dio: Određivanje formaldehida i drugih karbonilnih spojeva u zatvorenom prostoru i ispitnim komorama – Metoda aktivnog uzorkovanja (ISO 16000-3:2022)
Indoor air – Part 3: Determination of formaldehyde and other carbonyl compounds in indoor and test chamber air – Active sampling method (ISO 16000-3:2022)

HZN/TO 147, Kvaliteta vode

HRN EN ISO 17294-2:2023 en pr
Kvaliteta vode – Primjena spektrometrije masa s induktivno spregnutom plazmom (ICP-MS) – 2. dio: Određivanje odabranih elemenata uključujući uranijeve izotope (ISO 17294-2:2023; EN ISO 17294-2:2023)
Water quality – Application of inductively coupled plasma mass spectrometry (ICP-MS) – Part 2: Determination of selected elements including uranium isotopes (ISO 17294-2:2023; EN ISO 17294-2:2023)

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

HRN EN ISO 25745-2:2015/A1:2023 en pr
Energetske značajke dizala, pokretnih stuba i pokretnih traka – 2. dio: Proračun energije i razredba dizala – Amandman 1: Zona ubrzanog prijevoza (ISO 25745-2:2015/Amd 1:2023; EN ISO 25745-2:2015/A1:2023)
Energy performance of lifts, escalators and moving walks – Part 2: Energy calculation and classification for lifts (elevators) – Amendment 1: Express zones (ISO 25745-2:2015/Amd 1:2023; EN ISO 25745-2:2015/A1:2023)

HZN/TO 228, Usluge u turizmu

HRN EN ISO 24806:2023 en pr
Usluge rekreativnog ronjenja – Zahtjevi za obuku ronjenja s aparatima zatvorenog kruga (rebreather) – Ronjenje s dekompresijom na 60 m (ISO 24806:2023; EN ISO 24806:2023)
Recreational diving services – Requirements for rebreather diver training – Decompression diving to 60 m (ISO 24806:2023; EN ISO 24806:2023)

HZN/TO 502, Plinski uređaji

HRN EN 16905-1:2023 en pr
Dizalice topline s plinskim endotermnim motorom – 1. dio:
Nazivi i definicije (EN 16905-1:2023)
Gas-fired endothermic engine driven heat pumps – Part 1:
Terms and definitions (EN 16905-1:2023)

HZN/TO 503, Metalni materijali

HRN EN ISO 6507-1:2023 en pr
Metalni materijali – Ispitivanje tvrdoće prema Vickersu – 1. dio:
Metoda ispitivanja (ISO 6507-1:2023; EN ISO 6507-1:2023)
Metallic materials – Vickers hardness test – Part 1: Test
method (ISO 6507-1:2023; EN ISO 6507-1:2023)

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

HRN EN ISO 13703-2:2023 en pr
Industrije nafte i plina uključujući energiju s niskim udjelom
ugljika – Sustavi cjevovoda na proizvodnim platformama
na moru i postrojenjima na kopnu – 2. dio: Materijali
(ISO 13703-2:2023; EN ISO 13703-2:2023)
Oil and gas industries including lower carbon energy – Piping
systems on offshore platforms and onshore plants – Part 2:
Materials (ISO 13703-2:2023; EN ISO 13703-2:2023)

HRN EN ISO 25457:2023 en pr
Industrije nafte i plina uključujući energiju s niskim udjelom
ugljika – Detalji o baklji za opće rafinerijske i petrokemijske
potrebe (ISO 25457:2023; EN ISO 25457:2023)
Oil and gas industries including lower carbon energy
– Flare details for general refinery and petrochemical service
(ISO 25457:2023; EN ISO 25457:2023)

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

HRN EN 13416:2023 en pr
Savijljive hidroizolacijske trake – Bitumenske, plastične i
elastomerne hidroizolacijske trake za krovove – Pravila za
uzorkovanje (EN 13416:2023)
Flexible sheets for waterproofing – Bitumen, plastic and
rubber sheets for roof waterproofing – Rules for sampling
(EN 13416:2023)

HZN/TO 528, Oprema za željeznice

HRN EN 12663-2:2023 en pr
Željeznički sustav – Konstrukcijski zahtjevi za sanduk željezničkih
vozila – 2. dio: Teretni vagoni (EN 12663-2:2010+A1:2023)
Railway applications – Structural requirements of railway vehicle
bodies – Part 2: Freight wagons (EN 12663-2:2010+A1:2023)

HRN EN 15085-2:2023 en pr
Željeznički sustav – Zavarivanje željezničkih vozila i sastavnih
dijelova – 2. dio: Zahtjevi za poduzeća za zavarivanje
(EN 15085-2:2020+A1:2023)
Railway applications – Welding of railway vehicles and
components – Part 2: Requirements for welding manufacturer
(EN 15085-2:2020+A1:2023)

HRN EN 16272-3-1:2023 en pr
Željeznički sustav – Željeznički gornji ustroj – Bukobrani i
odgovarajuća sredstva koja djeluju na zvuk prenošen zrakom
– Metoda ispitivanja za određivanje akustičnih učinaka
– Dio 3-1: Normalizirani spektar željezničke buke i
jedinstvena ocjena vrijednost za primjene u difuznom polju
(EN 16272-3-1:2023)
Railway applications – Infrastructure – Noise barriers and
related devices acting on airborne sound propagation – Test
method for determining the acoustic performance – Part 3-1:
Normalized railway noise spectrum and single number ratings
for diffuse sound field applications (EN 16272-3-1:2023)

HRN EN 16272-3-2:2023 en pr
Željeznički sustav – Željeznički gornji ustroj – Bukobrani i
odgovarajuća sredstva koja djeluju na zvuk prenošen zrakom
– Metoda ispitivanja za određivanje akustičnih učinaka
– Dio 3-2: Normalizirani spektar željezničke buke i jedinstvena
ocjena vrijednost za primjene u usmjerenom polju
(EN 16272-3-2:2023)
Railway applications – Infrastructure – Noise barriers and
related devices acting on airborne sound propagation – Test
method for determining the acoustic performance – Part 3-2:
Normalized railway noise spectrum and single number ratings
for direct sound field applications (EN 16272-3-2:2023)

HRN EN 17863:2023 en pr
Željeznički sustav – Stacionarna služba – Zahtjevi za higijenu
u putničkim vagonima (EN 17863:2023)
Railway applications – Ground based services – Coach
hygiene requirements (EN 17863:2023)

HZN/TO 531, Plastika i guma

HRN EN ISO 14126:2023 en pr
Plastični kompoziti ojačani vlaknima – Određivanje pritisnih
svojstava u smjeru ravnine oslojavanja (ISO 14126:2023;
EN ISO 14126:2023)
Fibre-reinforced plastic composites – Determination of
compressive properties in the in-plane direction (ISO 14126:2023;
EN ISO 14126:2023)

HRN EN 14420-7:2022/Ispr.1:2023 en pr
Cijevni priključci sa stezaljkama – 7. dio: Spojke za zatvaranje
(EN 14420-7:2022/AC:2023)
Hose fittings with clamp units – Part 7: Cam locking couplings
(EN 14420-7:2022/AC:2023)

HZN/TO 533, Kolničke konstrukcije

HRN EN 13877-1:2023 en pr
Betonski kolnici – 1. dio: Materijali (EN 13877-1:2023)
Concrete pavements – Part 1: Materials (EN 13877-1:2023)

HRN EN 13877-2:2023 en pr
Betonski kolnici – 2. dio: Funkcionalni zahtjevi za betonske
kolnike (EN 13877-2:2023)
Concrete pavements – Part 2: Functional requirements for
concrete pavements (EN 13877-2:2023)

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

HRN EN 13049:2023 en pr
Prozori i vrata – Udar mekoga teškog tijela – Metoda
ispitivanja, zahtjevi za sigurnost i razredba (EN 13049:2023)
Windows and doors – Soft and heavy body impact
– Test method, safety requirements and classification
(EN 13049:2023)

HZN/TO 539, Kemijski dezinficijensi i antiseptici

HRN EN 13697:2023 en pr
Kemijski dezinficijensi i antiseptici – Kvantitativni test na
neporoznoj površini za procjenu djelotvornosti na kvasce
i baktericidne i/ili fungicidne djelotvornosti kemijskih
dezinficijensa koji se upotrebljavaju u područjima povezanim
s hranom, u industriji, domaćinstvu i ustanovama bez
mehaničkog djelovanja – Metoda ispitivanja i zahtjevi bez
mehaničkog djelovanja (faza 2, korak 2) (EN 13697:2023)
Chemical disinfectants and antiseptics – Quantitative
non-porous surface test for the evaluation of bactericidal and
yeastcidal and/or fungicidal activity of chemical disinfectants
used in food, industrial, domestic and institutional areas without
mechanical action – Test method and requirements without
mechanical action (phase 2, step 2) (EN 13697:2023)

HRN EN 17846:2023 en pr
Kemijski dezinficijensi i antiseptici – Kvantitativni test za
procjenu sporicidne djelotvornosti protiv Clostridioides difficile
kemijskih dezinficijensa i antiseptika koji se upotrebljavaju u
medicini na neporoznim površinama mehaničkim djelovanjem
brisanjem (ispitivanje na 4 zone) – Metoda ispitivanja i zahtjevi
(faza 2, korak 2) (EN 17846:2023)
Chemical disinfectants and antiseptics – Quantitative test
method for the evaluation of sporicidal activity against
Clostridioides difficile on non-porous surfaces with mechanical
action employing wipes in the medical area (4- field test) – Test
method and requirements (phase 2, step 2) (EN 17846:2023)

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

HRN EN ISO 11855-3:2021/A1:2023 en pr
Projektiranje unutrašnjosti zgrada – Ugradbeni sustavi grijanja
i hlađenja zračenjem – 3. dio: Projektiranje i dimenzioniranje
(ISO 11855-3:2021/Amd 1:2023; EN ISO 11855-3:2021/A1:2023)
Building environment design – Embedded radiant heating
and cooling systems – Part 3: Design and dimensioning
(ISO 11855-3:2021/Amd 1:2023; EN ISO 11855-3:2021/A1:2023)

HRN EN ISO 11855-4:2021/A1:2023 en pr
Projektiranje unutrašnjosti zgrada – Ugradbeni sustavi grijanja i hlađenja zračenjem – 4. dio: Dimenzioniranje i proračun dinamičkog toplinskog i rashladnog učinka termoaktivnih sustava zgrada (TABS) (ISO 11855-4:2021/Amd 1:2023; EN ISO 11855-4:2021/A1:2023)
Building environment design – Embedded radiant heating and cooling systems – Part 4: Dimensioning and calculation of the dynamic heating and cooling capacity of Thermo Active Building Systems (TABS) (ISO 11855-4:2021/Amd 1:2023; EN ISO 11855-4:2021/A1:2023)

HRN EN ISO 11855-5:2021/A1:2023 en pr
Projektiranje unutrašnjosti zgrada – Ugradbeni sustavi grijanja i hlađenja zračenjem – 5. dio: Ugradnja (ISO 11855-5:2021/Amd 1:2023; EN ISO 11855-5:2021/A1:2023)
Building environment design – Embedded radiant heating and cooling systems – Part 5: Installation (ISO 11855-5:2021/Amd 1:2023; EN ISO 11855-5:2021/A1:2023)

HZN/TO 544, Strojni elementi

HRN EN ISO 3506-5:2023 en pr
Spojni elementi – Mehanička svojstva spojnih elemenata izrađenih od nehrđajućih čelika – 5. dio: Posebni spojni elementi (također uključujući spojne elemente od legura nikla) za primjenu na visokim temperaturama (ISO 3506-5:2022; EN ISO 3506-5:2023)
Fasteners – Mechanical properties of corrosion-resistant stainless steel fasteners – Part 5: Special fasteners (also including fasteners from nickel alloys) for high temperature applications (ISO 3506-5:2022; EN ISO 3506-5:2023)

HZN/TO 546, Očuvanje kulturne baštine

HRN EN 17891:2023 en pr
Očuvanje kulturne baštine – Desalinacija poroznih anorganskih materijala kompresama od pulpe (EN 17891:2023)
Conservation of cultural heritage – Desalination of porous inorganic materials by poultices (EN 17891:2023)

HZN/TO 550, Opskrba vodom

HRN EN 14944-1:2023 en pr
Utjecaj cementnih proizvoda na vodu namijenjenu ljudskoj potrošnji – Metode ispitivanja – 1. dio: Utjecaj tvornički proizvedenih cementnih proizvoda na organoleptička svojstva (EN 14944-1:2023)
Influence of cementitious products on water intended for human consumption – Test methods – Part 1: Influence of factory made cementitious products on organoleptic parameters (EN 14944-1:2023)

HZN/TO 552, Društvena odgovornost

HRN ISO 37004:2023 en pr
Upravljanje organizacijama – Model zrelosti upravljanja – Smjernice (ISO 37004:2023)
Governance of organizations – Governance maturity model – Guidance (ISO 37004:2023)

HZN/TO 555, Medicinski proizvodi

HRN EN ISO 11607-1:2020/A1:2023 en pr
Ambalaža za završno sterilizirane medicinske proizvode – 1. dio: Zahtjevi za materijale, sustave sterilnih barijera i sustave ambalaže – Amandman 1: Primjena upravljanja rizicima (ISO 11607-1:2019/Amd 1:2023; EN ISO 11607-1:2020/A1:2023)
Packaging for terminally sterilized medical devices – Part 1: Requirements for materials, sterile barrier systems and packaging systems – Amendment 1: Application of risk management (ISO 11607-1:2019/Amd 1:2023; EN ISO 11607-1:2020/A1:2023)

HRN EN ISO 11607-2:2020/A1:2023 en pr
Ambalaža za završno sterilizirane medicinske proizvode – 2. dio: Zahtjevi za vrednovanje postupaka oblikovanja, hermetičkog stapanja i sastavljanja – Amandman 1: Primjena upravljanja rizicima (ISO 11607-2:2019/Amd 1:2023; EN ISO 11607-2:2020/A1:2023)
Packaging for terminally sterilized medical devices – Part 2: Validation requirements for forming, sealing and assembly processes – Amendment 1: Application of risk management (ISO 11607-2:2019/Amd 1:2023; EN ISO 11607-2:2020/A1:2023)

HRN EN ISO 14644-18:2023 en pr
Čisti prostori i odgovarajući kontrolirani okoliš – 18. dio: Procjena prikladnosti potrošnog materijala (ISO 14644-18:2023; EN ISO 14644-18:2023)
Cleanrooms and associated controlled environments – Part 18: Assessment of suitability of consumables (ISO 14644-18:2023; EN ISO 14644-18:2023)

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

HRN EN 1176-1:2023 en pr
Oprema i podloge za igrališta – 1. dio: Opći sigurnosni zahtjevi i metode ispitivanja (EN 1176-1:2017+A1:2023)
Playground equipment and surfacing – Part 1: General safety requirements and test methods (EN 1176-1:2017+A1:2023)

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

HRN EN 17505:2023 en pr
Karakterizacija tla i otpada – Diferencijacija ukupnog ugljika u ovisnosti o temperaturi (TOC400, ROC, TIC900) (EN 17505:2023)
Soil and waste characterization – Temperature dependent differentiation of total carbon (TOC400; ROC; TIC900) (EN 17505:2023)

HRN EN 17813:2023 en pr
Kruti matriksi u okolišu – Određivanje halogenih elemenata i sumpora oksidativnim pirohidrolitičkim izgaranjem nakon čega slijedi detekcija ionskom kromatografijom (EN 17813:2023)
Environmental solid matrices – Determination of halogens and sulfur by oxidative pyrohydrolytic combustion followed by ion chromatography (EN 17813:2023)

HZN/TO 582, Informacijska sigurnost i upravljanje kontinuitetom poslovanja

HRN EN 17740:2023 en pr
Zahtjevi za profesionalne profile povezane s obradom i zaštitom osobnih podataka (EN 17740:2023)
Requirements for professional profiles related to personal data processing and protection (EN 17740:2023)

HRN EN 17799:2023 en pr
Zahtjevi za zaštitu osobnih podataka u postupcima obrade (EN 17799:2023)
Personal data protection requirements for processing operations (EN 17799:2023)

HRN EN ISO/IEC 18045:2023 en pr
Informacijska sigurnost, kibernetička sigurnost i zaštita privatnosti – Kriteriji za vrednovanje sigurnosti IT-a – Metodologija za vrednovanje sigurnosti IT-a (ISO/IEC 18045:2022; EN ISO/IEC 18045:2023)
Information security, cybersecurity and privacy protection – Evaluation criteria for IT security – Methodology for IT security evaluation (ISO/IEC 18045:2022; EN ISO/IEC 18045:2023)

HZN/TO 583, Sustavi bespilotnih zrakoplova

HRN EN 4709-002:2023 en pr
Zrakoplovstvo – Sustavi bespilotnih zrakoplova – Dio 002: Izravna daljinska identifikacija (EN 4709-002:2023)
Aerospace series – Unmanned Aircraft Systems – Part 002: Direct Remote identification (EN 4709-002:2023)

HZN/TO E8, Sustavski vidovi opskrbe električnom energijom

HRN EN 50549-1:2019/A1:2023 en pr
Zahtjevi za priključak elektrane na distribucijsku mrežu – 1. dio: Priključak na niskonaponsku distribucijsku mrežu – Elektrane do uključivo tipa B (EN 50549-1:2019/A1:2023)
Requirements for generating plants to be connected in parallel with distribution networks – Part 1: Connection to a LV distribution network – Generating plants up to and including Type B (EN 50549-1:2019/A1:2023)

HRN EN 50549-2:2019/A1:2023 en pr
Zahtjevi za priključak elektrane na distribucijsku mrežu – 2. dio: Priključak na sredjonaponsku distribucijsku mrežu – Elektrane do uključivo tipa B (EN 50549-2:2019/A1:2023)
Requirements for generating plants to be connected in parallel with distribution networks – Part 2: Connection to a MV distribution network – Generating plants up to and including Type B (EN 50549-2:2019/A1:2023)

HZN/TO E9, Električna oprema za željeznicu

HRN EN 50657:2017/A1:2023 en pr
Željeznički sustav – Aplikacije na željezničkim vozilima – Programska podrška na vozilu (EN 50657:2017/A1:2023)
Railways Applications – Rolling stock applications – Software on Board Rolling Stock (EN 50657:2017/A1:2023)

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

HRN EN IEC 62056-5-3:2023 en pr
Razmjena podataka mjerenja električne energije – Oprema DLMS/COSEM (Device Language Message Specification / Companion Specification for Energy Metering) – Dio 5-3: Sloj primjene DLMS/COSEM-a (IEC 62056-5-3:2023; EN IEC 62056-5-3:2023)
Electricity metering data exchange – The DLMS/COSEM suite – Part 5-3: DLMS/COSEM application layer (IEC 62056-5-3:2023; EN IEC 62056-5-3:2023)

HRN EN IEC 62056-6-2:2023 en pr
Razmjena podataka mjerenja električne energije – Oprema DLMS/COSEM (Device Language Message Specification / Companion Specification for Energy Metering) – Dio 6-2: COSEM razredi sučelja (IEC 62056-6-2:2023; EN IEC 62056-6-2:2023)
Electricity metering data exchange – The DLMS/COSEM suite – Part 6-2: COSEM interface classes (IEC 62056-6-2:2023; EN IEC 62056-6-2:2023)

HRN EN IEC 62056-8-12:2023 en pr
Razmjena podataka mjerenja električne energije – Oprema DLMS/COSEM (Device Language Message Specification / Companion Specification for Energy Metering) – Dio 8-12: Komunikacijski profil za mreže širokog područja male snage (LPWAN) (IEC 62056-8-12:2023; EN IEC 62056-8-12:2023)
Electricity metering data exchange – The DLMS/COSEM suite – Part 8-12: Communication profile for Low Power Wide Area Networks (LPWAN) (IEC 62056-8-12:2023; EN IEC 62056-8-12:2023)

HZN/TO E20, Električni kabeli

HRN EN 50655-1:2023 en pr
Električni kabeli – Pribor – Značajke materijala – 1. dio: Identifikacija materijala za zaljevne smjese (EN 50655-1:2023)
Electric cables – Accessories – Material characterization – Part 1: Fingerprinting for resinous compounds (EN 50655-1:2023)

HZN/TO E22, Energetska elektronika

HRN EN IEC 61800-3:2023 en pr
Elektromotorni sustavi prilagodljive brzine – 3. dio: Zahtjevi za elektromagnetsku kompatibilnost (EMC) i posebne metode ispitivanja za elektromotorne sustave i električne alate (IEC 61800-3:2022; EN IEC 61800-3:2023)
Adjustable speed electrical power drive systems – Part 3: EMC requirements and specific test methods for PDS and machine tools (IEC 61800-3:2022; EN IEC 61800-3:2023)

HRN EN IEC 61800-5-1:2023 en pr
Elektromotorni sustavi prilagodljive brzine – Dio 5-1: Zahtjevi na sigurnost – Električni, toplinski i energetski (IEC 61800-5-1:2022+Corr.1:2023; EN IEC 61800-5-1:2023)
Adjustable speed electrical power drive systems – Part 5-1: Safety requirements – Electrical, thermal and energy (IEC 61800-5-1:2022+Corr.1:2023; EN IEC 61800-5-1:2023)

HRN EN IEC 61800-5-3:2023 en pr
Elektromotorni sustavi prilagodljive brzine – Dio 5-3: Sigurnosni zahtjevi – Funkcionalni, električni i zahtjevi za okoliš za kodere (IEC 61800-5-3:2021; EN IEC 61800-5-3:2023)
Adjustable speed electrical power drive systems – Part 5-3: Safety requirements – Functional, electrical and environmental requirements for encoders (IEC 61800-5-3:2021; EN IEC 61800-5-3:2023)

HRN EN IEC 62040-1:2019/A1:2023 en pr
Energetski sustavi neprekidnog napajanja (UPS) – 1. dio: Sigurnosni zahtjevi (IEC 62040-1:2017/am1:2021; EN IEC 62040-1:2019/A1:2023)
Uninterruptible power systems (UPS) – Part 1: Safety requirements (IEC 62040-1:2017/am1:2021; EN IEC 62040-1:2019/A1:2023)

HRN EN IEC 62477-1:2023 en pr
Zahtjevi na sigurnost sustava elektroničkih energetskih pretvarača i opreme – 1. dio: Općenito (IEC 62477-1:2022; EN IEC 62477-1:2023)
Safety requirements for power electronic converter systems and equipment – Part 1: General (IEC 62477-1:2022; EN IEC 62477-1:2023)

HZN/TO E23, Električni instalacijski pribor

HRN EN IEC 60799:2021/A1:2023 en pr
Električni pribor – Priključni gipki vodovi i međupriključni gipki vodovi (IEC 60799:2018/am1:2022; EN IEC 60799:2021/A1:2023)
Electrical accessories – Cord sets and interconnection cord sets (IEC 60799:2018/am1:2022; EN IEC 60799:2021/A1:2023)

HZN/TO E34, Žarulje, svjetiljke i pripadna oprema

HRN EN IEC 62386-305:2023 en pr
Digitalno upravljanje rasvjetom – 305. dio: Posebni zahtjevi – Ulazne naprave – Senzor boje (IEC 62386-305:2023; EN IEC 62386-305:2023)
Digital addressable lighting interface – Part 305: Particular requirements – Input devices – Colour sensor (IEC 62386-305:2023; EN IEC 62386-305:2023)

HZN/TO E61, Sigurnost električnih kućanskih i sličnih aparata

HRN EN IEC 60335-2-14:2023 en pr
Kućanski i slični električni aparati – Sigurnost – Dio 2-14: Posebni zahtjevi za kuhinjske strojeve (IEC 60335-2-14:2016; EN IEC 60335-2-14:2023)
Household and similar electrical appliances – Safety – Part 2-14: Particular requirements for kitchen machines (IEC 60335-2-14:2016; EN IEC 60335-2-14:2023)

HZN/TO E76, Sigurnost optičkoga zračenja i laserska oprema

HRN EN IEC 62471-6:2023 en pr
Fotobiološka sigurnost lampi i sustava s lampama – 6. dio: Proizvodi s ultraljubičastim lampama (IEC 62471-6:2022; EN IEC 62471-6:2023)
Photobiological safety of lamps and lamp systems – Part 6: Ultraviolet lamp products (IEC 62471-6:2022; EN IEC 62471-6:2023)

HZN/TO E99, Električne instalacije iznad 1 kV izmjenične i 1,5 kV istosmjerne struje

HRN EN IEC 61936-2:2023 en pr
Električna postrojenja nazivnih izmjeničnih napona iznad 1 kV izmjenično i 1,5 kV istosmjerno – 2. dio: Istosmjerno (IEC 61936-2:2023; EN IEC 61936-2:2023)
Power installations exceeding 1 kV AC and 1,5 kV DC – Part 2: DC (IEC 61936-2:2023; EN IEC 61936-2:2023)

HZN/TO E502, Elektrotehnički aspekti telekomunikacijske opreme

HRN EN 50700:2023 en pr
Informacijska tehnologija – Kabliranje distribucijskog dijela pristupne mreže u korisničkim prostorima (PDAN) namijenjeno podršci implementacije optičkih širokopojsnih mreža (EN 50700:2023)
Information technology – Premises distribution access network (PDAN) cabling to support deployment of optical broadband networks (EN 50700:2023)

HZN/TO T4, Normizacija u telekomunikacijama

HRN EN 300 019-2-6 V3.1.1:2023 en pr
Inženjerstvo okoliša (EE) – Uvjeti okoliša i ispitivanje utjecaja telekomunikacijske opreme na okoliš – 2. dio: Specifikacija ispitivanja utjecaja na okoliš – 6. poddio: Brodski okoliš (EN 300 019-2-6 V3.1.1:2023)
Environmental Engineering (EE) – Environmental conditions and environmental tests for telecommunications equipment – Part 2: Specification of environmental tests – Sub-part 6: Ship environments (EN 300 019-2-6 V3.1.1:2023)

HRN EN 303 213-5-1 V2.1.1:2023 en pr
Napredni sustav vođenja i kontrole kretanja površinom (A-SMGCS) – 5. dio: Harmonizirana norma za pristup radijskom spektru za opremu multilateracije (MLAT) – 1. poddio: Prijamnici i upitivači (EN 303 213-5-1 V2.1.1:2023)
Advanced Surface Movement Guidance and Control System (A-SMGCS) – Part 5: Harmonised Standard for access to radio spectrum for Multilateration (MLAT) equipment – Sub-part 1: Receivers and Interrogators (EN 303 213-5-1 V2.1.1:2023)

HRN EN 303 363-2 V1.1.1:2023 en pr
Nadzorni radarski senzori u sustavu kontrole zračnoga prometa – Sekundarni nadzorni radar (SSR) – Harmonizirana norma za pristup radijskom spektru – 2. dio: Nadzor dalekog polja (FFM) (EN 303 363-2 V1.1.1:2023)
Air Traffic Control Surveillance Radar Sensors – Secondary Surveillance Radar (SSR) – Harmonised Standard for access to radio spectrum – Part 2: Far Field Monitor (FFM) (EN 303 363-2 V1.1.1:2023)

HRN EN 319 411-1 V1.4.1:2023 en pr
Elektronički potpisi i infrastrukture (ESI) – Zahtjevi općih pravila i zahtjevi sigurnosti za vjerodostojne davatelje usluga certificiranja – 1. dio: Opći zahtjevi (EN 319 411-1 V1.4.1:2023)
Electronic Signatures and Infrastructures (ESI) – Policy and security requirements for Trust Service Providers issuing certificates – Part 1: General requirements (EN 319 411-1 V1.4.1:2023)

HRN EN 319 411-2 V2.5.1:2023 en pr
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 EU kvalificirane certifikate (EN 319 411-2 V2.5.1:2023)
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 (EN 319 411-2 V2.5.1:2023)

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

HRN EN 17483-2:2023 en pr
Privatne zaštitarske usluge – Zaštita kritične infrastrukture – 2. dio: Usluge sigurnosti u zračnim lukama i zrakoplovstvu (EN 17483-2:2023)
Private security services – Protection of critical infrastructure – Part 2: Airport and aviation security services (EN 17483-2:2023)

HRN EN 17483-3:2023 en pr
Privatne zaštitarske usluge – Zaštita kritične infrastrukture – 3. dio: Usluge sigurnosti u pomorskom prometu i lukama (EN 17483-3:2023)
Private security services – Protection of critical infrastructure – Part 3: Maritime and port security services (EN 17483-3:2023)

HZN/TU B1, Graditeljstvo 1

HRN EN 16637-1:2023 en pr
Građevni proizvodi – Procjena otpuštanja opasnih tvari – 1. dio: Upute za utvrđivanje ispitivanja izluživanja i dodatnih koraka ispitivanja (EN 16637-1:2023)
Construction products: Assessment of release of dangerous substances – Part 1: Guidance for the determination of leaching tests and additional testing steps (EN 16637-1:2023)

HRN EN 16637-2:2023 en pr
Građevni proizvodi – Procjena otpuštanja opasnih tvari – 2. dio: Horizontalno dinamičko ispitivanje izluživanja s površine (EN 16637-2:2023)
Construction products: Assessment of release of dangerous substances – Part 2: Horizontal dynamic surface leaching test (EN 16637-2:2023)

HRN EN 16637-3:2023 en pr
Građevni proizvodi – Procjena otpuštanja opasnih tvari – 3. dio: Horizontalno ispitivanje procjeđivanja tokom prema gore (EN 16637-3:2023)
Construction products: Assessment of release of dangerous substances – Part 3: Horizontal up-flow percolation test (EN 16637-3:2023)

HRS CEN/TS 17985:2023 en pr
Građevni proizvodi – Procjena otpuštanja opasnih tvari – Metode za određivanje N-nitrozamina u uzorcima zraka izvedene iz ispitivanja prema EN 16516 (CEN/TS 17985:2023)
Construction products: Assessment of release of dangerous substances – Methods for the determination of N-nitrosamines in air samples derived by EN 16516 (CEN/TS 17985:2023)

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

HRN EN ISO 4628-6:2023 en pr
Boje i lakovi – Procjena količine i veličine nedostataka te intenziteta ravnomjernih promjena izgleda – 6. dio: Ocjenjivanje stupnja kredanja metodom trake (ISO 4628-6:2023; EN ISO 4628-6:2023)
Paints and varnishes – Evaluation of quantity and size of defects, and of intensity of uniform changes in appearance – Part 6: Assessment of degree of chalking by tape method (ISO 4628-6:2023; EN ISO 4628-6:2023)

HRN EN ISO 8130-15:2023 en pr
Prašasti prekrivni materijali – 15. dio: Reologija (ISO 8130-15:2023; EN ISO 8130-15:2023)
Coating powders – Part 15: Rheology (ISO 8130-15:2023; EN ISO 8130-15:2023)

HRN EN ISO 11997-3:2023 en pr
Boje i lakovi – Određivanje otpornosti na cikličke uvjete korozije – 3. dio: Ispitivanje premaznih sustava na materijalima i komponentama u automobilskoj industriji (ISO 11997-3:2022; EN ISO 11997-3:2023)
Paints and varnishes – Determination of resistance to cyclic corrosion conditions – Part 3: Testing of coating systems on materials and components in automotive construction (ISO 11997-3:2022; EN ISO 11997-3:2023)

HRN EN 13523-23:2023 en pr
Prevučeni metali u namotajima – Metode ispitivanja – 23. dio: Otpornost na vlažnu atmosferu koja sadrži sumporov dioksid (EN 13523-23:2023)
Coil coated metals – Test methods – Part 23: Resistance to humid atmospheres containing sulfur dioxide (EN 13523-23:2023)

HZN/TU I2, Strojarstvo 2

HRN EN ISO 19238:2023 en pr
Radiološka zaštita – Kriteriji izvedbe za laboratorije koji pružaju uslugu biološke dozimetrije putem citogenetike – Analiza dicentrika (ISO 19238:2023; EN ISO 19238:2023)
Radiological protection – Performance criteria for service laboratories performing biological dosimetry by cytogenetics – Dicentric assay (ISO 19238:2023; EN ISO 19238:2023)

HZN/TU N1, Nemetalni materijali 1

HRN EN ISO 18755:2023 en pr
Fina keramika (napredna keramika, napredna tehnička keramika) – Određivanje toplinske difuzivnosti monolitne keramike metodom bljeskalice (ISO 18755:2022; EN ISO 18755:2023)
Fine ceramics (advanced ceramics, advanced technical ceramics) – Determination of thermal diffusivity of monolithic ceramics by flash method (ISO 18755:2022; EN ISO 18755:2023)

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

HRN EN ISO 4865-1:2023 en pr
Stomatologija – Opći zahtjevi za ručne instrumente – 1. dio: Nezglojni ručni instrumenti (ISO 4865-1:2023; EN ISO 4865-1:2023)
Dentistry – General requirements of hand instruments – Part 1: Non-hinged hand instruments (ISO 4865-1:2023; EN ISO 4865-1:2023)

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

HRN EN 2665-001:2023 en pr
Zrakoplovstvo – Automatski osigurači, trolpolni, temperaturno kompenzirani, nazivnih struja 20 A to 50 A – 001. dio: Tehničke specifikacije (EN 2665-001:2023)
Aerospace series – Circuit breakers, three-pole, temperature compensated, rated currents 20 A to 50 A – Part 001: Technical specification (EN 2665-001:2023)

HRN EN 2794-001:2023 en pr
Zrakoplovstvo – Automatski osigurači, jednopolni, temperaturno kompenzirani, nazivnih struja 20 A do 50 A – Dio 001: Tehničke specifikacije (EN 2794-001:2023)
Aerospace series – Circuit breakers, single-pole, temperature compensated, rated currents 20 A to 50 A – Part 001: Technical specification (EN 2794-001:2023)

HRN EN 2996-001:2023 en pr
Zrakoplovstvo – Automatski osigurači, trolpolni, temperaturno kompenzirani, nazivne struje 1 A do 25 A – Dio 001: Tehnička specifikacija (EN 2996-001:2023)
Aerospace series – Circuit breakers, three-pole, temperature compensated, rated currents 1 A to 25 A – Part 001: Technical specification (EN 2996-001:2023)

HRN EN 3375-009:2023 en pr
Zrakoplovstvo – Električni kabeli za prijenos digitalnih podataka – Dio 009: Jednostruko pleteni – CAN protokol spajanja – 120 Oma – Tip WX – Norma za proizvod (EN 3375-009:2023)
Aerospace series – Cable, electrical, for digital data transmission – Part 009: Single braid – CAN Bus – 120 ohms – Type WX – Product standard (EN 3375-009:2023)

HRN EN 4868:2023 en pr
Zrakoplovstvo – Anodno elektronanošenje temeljnih premaza bez šesterovalentnog kroma (EN 4868:2023)
Aerospace series – Anodic electrodeposition of hexavalent chromium free primer (EN 4868:2023)

HRN EN 4905:2023 en pr
Zrakoplovstvo – Pasivne UHF RFID oznake za upotrebu u zrakoplovstvu (EN 4905:2023)
Aerospace series – Passive UHF RFID for airborne use (EN 4905:2023)

HRN EN 4906:2023 en pr
Zrakoplovstvo – Ugrađene oznake – Izbor učvršćenja za ugradnju, uklanjanje i zamjenu ugrađenih oznaka (EN 4906:2023)
Aerospace series – Embedded tags – Choice of fixation for installation, removal and replacement of embedded tags (EN 4906:2023)

HRN EN 9101:2023 en pr
Zrakoplovstvo – Sustavi upravljanja kvalitetom – Zahtjevi za vođenje audita sustava upravljanja kvalitetom u području zrakoplovstva, svemirskog inženjerstva i obrane (EN 9101:2023)
Aerospace series – Quality management systems – Requirements for conducting audits of aviation, space, and defence quality management Systems (EN 9101:2023)

HRN EN 9300-120:2023 en pr
Zrakoplovstvo – LOTAR – Dugoročno arhiviranje i učitavanje digitalne tehničke dokumentacije proizvoda kao što su podaci 3D CAD i PDM – 120. dio: CAD 3D jednoznačne geometrije s grafičkim informacijama o proizvodu i proizvodnji (EN 9300-120:2023)
Aerospace series – LOTAR – Long Term Archiving and Retrieval of digital technical product documentation such as 3D CAD and PDM data – Part 120: CAD 3D explicit geometry with graphic product and manufacturing information (EN 9300-120:2023)

HRN EN 9300-121:2023 en pr
Zrakoplovstvo – LOTAR – Dugoročno arhiviranje i učitavanje digitalne tehničke dokumentacije proizvoda kao što su podaci 3D CAD i PDM – 121. dio: Semantički prikaz CAD 3D jednoznačne geometrije s informacijama o proizvodu i proizvodnji (EN 9300-121:2023)
Aerospace series – LOTAR – Long Term Archiving and Retrieval of digital technical product documentation such as 3D CAD and PDM data – Part 121: Semantic representation of CAD 3D Explicit Geometry with Product and Manufacturing Information (EN 9300-121:2023)

HRN EN 9300-125:2023 en pr
Zrakoplovstvo – LOTAR – Dugoročno arhiviranje i učitavanje digitalne tehničke dokumentacije proizvoda kao što su podaci 3D CAD i PDM – 125. dio: Jednoznačna CAD struktura sklopa s grafičkim informacijama o proizvodu i proizvodnji (EN 9300-125:2023)

Aerospace series – LOTAR - Long Term Archiving and Retrieval of digital technical product documentation such as 3D, CAD and PDM data – Part 125: Explicit CAD assembly structure with Graphic Product and Manufacturing Information (PMI) (EN 9300-125:2023)

HRN EN 9722:2023 en pr
Zrakoplovstvo – Arhitektura za integrirano upravljanje zdravstvenim stanjem sustava (EN 9722:2023)
Aerospace series – Architecture for integrated management of a system's health condition (EN 9722:2023)

HZN/TU U1, Opća elektrotehnika 1

HRN EN IEC 60404-8-1:2023 en pr
Magnetski materijali – Dio 8-1: Specifikacija za pojedinačne materijale – Permanentni magnetski (magnetski tvrdi) materijali (IEC 60404-8-1:2023; EN IEC 60404-8-1:2023)
Magnetic materials – Part 8-1: Specifications for individual materials – Permanent magnet (magnetically hard) materials (IEC 60404-8-1:2023; EN IEC 60404-8-1:2023)

HZN/TU V1, Elektronika 1

HRN EN IEC 60794-1-111:2023 en pr
Svjetlovodni kabeli – Dio 1-111: Generička specifikacija – Osnovni postupci ispitivanja svjetlovodnih kabela – Mehaničke metode ispitivanja – Savijanje, metoda E11 (IEC 60794-1-111:2023; EN IEC 60794-1-111:2023)
Optical fibre cables – Part 1-111: Generic specification – Basic optical cable test procedures – Mechanical tests methods – Bend, method E11 (IEC 60794-1-111:2023; EN IEC 60794-1-111:2023)

HRN EN IEC 60794-1-306:2023 en pr
Svjetlovodni kabeli – Dio 1-306: Generička specifikacija – Osnovni postupci ispitivanja svjetlovodnih kabela – Metode ispitivanja elemenata kabela – Torzija traka, metoda G6 (IEC 60794-1-306:2023; EN IEC 60794-1-306:2023)
Optical fibre cables – Part 1-306: Generic specification – Basic optical cable test procedures – Cable element test methods – Ribbon torsion, Method G6 (IEC 60794-1-306:2023; EN IEC 60794-1-306:2023)

HRN EN IEC 62148-17:2023 en pr
Aktivne svjetlovodne komponente u uređaji – Norme za kućišta i sučelja – 17. dio: Komponente odašiljača i prijavnika s dvostrukim RF koaksijalnim konektorima (IEC 62148-17:2023; EN IEC 62148-17:2023)
Fibre optic active components and devices – Package and interface standards – Part 17: Transmitter and receiver components with dual coaxial RF connectors (IEC 62148-17:2023; EN IEC 62148-17:2023)

HRN EN IEC 63281-1:2023 en pr
Električna vozila za prijevoz putnika i robe – 1. dio: Terminologija i klasifikacija (IEC 63281-1:2023; EN IEC 63281-1:2023)
E-Transporters – Part 1: Terminology and classification (IEC 63281-1:2023; EN IEC 63281-1:2023)

HRN EN IEC 63345:2023 en pr
Sustavi energetske učinkovitosti – Jednostavan vanjski zaslon za korisnika (IEC 63345:2023; EN IEC 63345:2023)
Energy Efficiency Systems – Simple External Consumer Display (IEC 63345:2023; EN IEC 63345:2023)

HZN/TU W1, Energetska elektrotehnika 1

HRN EN 60456:2016/A12:2023 en pr
Perilice rublja za kućansku uporabu – Ispitne metode za mjerenje radnih značajka (EN 60456:2016/A12:2023)
Clothes washing machines for household use – Methods of measuring the performance (EN 60456:2016/A12:2023)

HRN EN IEC 60691:2023 en pr
Toplinski zaštitni ulošci – Zahtjevi i upute za primjenu (IEC 60691:2023; EN IEC 60691:2023)
Thermal-links – Requirements and application guide (IEC 60691:2023; EN IEC 60691:2023)

HRN EN IEC 60704-2-16:2019/A12:2023 en pr
Kućanski i slični električni aparati – Ispitne odredbe za određivanje uzdušne buke – Dio 2-16: Posebni zahtjevi za perilice-sušilice (EN IEC 60704-2-16:2019/A12:2023)
Household and similar electrical appliances – Test code for the determination of airborne acoustical noise – Part 2-16: Particular requirements for washer-dryers (EN IEC 60704-2-16:2019/A12:2023)

HRN EN 60704-2-4:2013/A12:2023 en pr
Kućanski i slični električni aparati – Ispitne odredbe za određivanje uzdušne buke – Dio 2-4: Posebni zahtjevi za perilice rublja i centrifuge (ožimalice) (EN 60704-2-4:2012/A12:2023)
Household and similar electrical appliances – Test code for the determination of airborne acoustical noise – Part 2-4: Particular requirements for washing machines and spin extractors (EN 60704-2-4:2012/A12:2023)

HRN EN IEC 60974-1:2022/A12:2023 en pr
Oprema za elektrolučno zavarivanje – 1. dio: Izvori napajanja za zavarivanje (EN IEC 60974-1:2022/A12:2023)
Arc welding equipment – Part 1: Welding power sources (EN IEC 60974-1:2022/A12:2023)

HRN EN IEC 62512:2020/A12:2023 en pr
Električne perilice-sušilice rublja za kućnu uporabu – Metode za mjerenje radnih značajka (EN IEC 62512:2020/A12:2023)
Electric clothes washer-dryers for household use – Methods of measuring the performance (EN IEC 62512:2020/A12:2023)

HRN EN IEC 62841-4-7:2022/Ispr.1:2023 en pr
Ručni elektromotorni alati, prijenosni alati i mehanizacija za travnjake i vrtove – Sigurnost – Dio 4-7: Posebni zahtjevi za vrtno razrahljivače i prozračivače koje pješice gura i njima upravlja čovjek (EN IEC 62841-4-7:2022/AC:2023)
Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 4-7: Particular requirements for pedestrian controlled walk-behind lawn scarifiers and aerators (EN IEC 62841-4-7:2022/AC:2023)

HRN EN IEC 62877-1:2023 en pr
Elektrolit i voda za ventilirane olovne akumulatore – 1. dio: Zahtjevi za elektrolit (IEC 62877-1:2023; EN IEC 62877-1:2023)
Electrolyte and water for vented lead acid accumulators – Part 1: Requirements for electrolyte (IEC 62877-1:2023; EN IEC 62877-1:2023)

1.2 Nacrti hrvatskih norma

Temeljem Zakona o normizaciji (Narodne novine 80/2013) Hrvatski zavod za norme na prijedlog tehničkih odbora objavljuje raspravu o nacrtima hrvatskih norma (oznaka nHRN). Pisane primjedbe na nacrti hrvatskih norma dostavljaju se Hrvatskom zavodu za norme (uz naznaku tehničkog odbora i referencijsku oznaku nacrt hrvatske norme) u roku od 30 dana od dana objave rasprave u službenom glasilu Hrvatskoga zavoda za norme (HZN e-glasilo) odnosno putem Sustava komentiranja nacrti norma – HZNacrti, na poveznici <http://hznlive.67bricks.com/>.

Nacrti su hrvatskih norma zainteresiranima na raspolaganju u Normoteci Hrvatskoga zavoda za norme, Ulica grada Vukovara 78, Zagreb te u sustavu HZNacrti.

HZN/TO 43, Akustika

nHRN DIN 18041 hr pp
Akustička kvaliteta prostorija – Zahtjevi, preporuke i upute za planiranje (DIN 18041:2016)
Hörsamkeit in Räumen – Anforderungen, Empfehlungen und Hinweise für die Planung (DIN 18041:2016)

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 8, Brodogradnja

prEN 711 en
Inland navigation vessels – Railings for decks and side decks – Requirements, designs and types

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

HZN/TO 21, Protupožarna i vatrogasna oprema

EN 12259-14:2020+A1:2022/prA2 en
Fixed firefighting systems – Components for sprinkler and water spray systems – Part 14: Sprinklers for residential applications
Stabilni protupožarni sustavi – Dijelovi sustava za prskanje (sprinkler sustava) i sustava raspršene vode – 14. dio: Sprinkleri za stambene prostore

HZN/TO 37, Terminologija

prEN ISO 20109 en
Simultaneous interpreting – Equipment – Requirements
Simultano prevođenje – Oprema – Zahtjevi

HZN/TO 44, Zavarivanje i srodni postupci

prEN ISO 15610 en
Specification and qualification of welding procedures for metallic materials – Qualification based on tested welding consumables (ISO/FDIS 15610:2023)
Specifikacija i kvalifikacija postupaka zavarivanja za metalne materijale – Kvalifikacija na osnovi ispitanih dodatnih i potrošnih materijala za zavarivanje (ISO/FDIS 15610:2023)

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

EN 14825:2022/prA1 en
Air conditioners, liquid chilling packages and heat pumps, with electrically driven compressors, for space heating and cooling, commercial and process cooling – Testing and rating at part load conditions and calculation of seasonal performance
Klimatizacijski uređaji, rashladnici kapljevina i dizalice topline s kompresorima na električni pogon za grijanje i hlađenje prostora, komercijalno i procesno hlađenje – Ispitivanje i mjerenje učinka pri uvjetima djelomičnog opterećenja i proračun sezonskih značajki

HZN/TO 120, Koža i obuća

prEN ISO 16179 en
Footwear – Critical substances potentially present in footwear and footwear components – Determination of organotin compounds in footwear materials (ISO/DIS 16179:2023)
Obuća – Kritične tvari potencijalno prisutne u obući i dijelovima obuće – Određivanje organokositrenih spojeva u materijalima za obuću (ISO/DIS 16179:2023)

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

prEN 1680 en
Plastics piping systems – Valves for polyethylene (PE) piping systems – Test method for leaktightness under and after bending applied to the operating mechanisms
Plastični cijevni sustavi – Ventili za cijevne sustave od polietilena (PE) – Ispitna metoda za nepropusnost vretena ventila tijekom savijanja i poslije njegovog savijanja

prEN ISO 7510 en
Plastics piping systems – Glass-reinforced plastics (GRP) components – Determination of the amounts of constituents (ISO 7510:2017)

prEN 12100 en
Plastics piping systems – Polyethylene (PE) valves – Test method for resistance to bending between supports
Plastični cijevni sustavi – Polietilenski (PE) ventili – Ispitna metoda za otpornost prema savijanju između oslonaca

HZN/TO 147, Kvaliteta vode

prEN ISO 13165-1 en
Water quality – Radium-226 – Part 1: Test method using liquid scintillation counting (ISO 13165-1:2022)
Kvaliteta vode – Radij-226 – 1. dio: Metoda ispitivanja s upotrebom tekućinske scintilacije (ISO 13165-1:2022)

prEN 18025 en
Water quality – Guidance standard on a strategic approach to river restoration

HZN/TO 159, Ergonomija

prEN ISO 9241-112 en
Ergonomics of human-system interaction – Part 112: Principles for the presentation of information (ISO/DIS 9241-112:2023)
Ergonomija interakcije čovjek-sustav – 112. dio: Načela predstavljanja informacija (ISO/DIS 9241-112:2023)

HZN/TO 172, Optika i optički instrumenti

prEN ISO 7944 en
Optics and optical instruments – Reference wavelengths (ISO/DIS 7944:2023)
Optika i optički instrumenti – Referencijske valne duljine (ISO/DIS 7944:2023)

HZN/TO 181, Sigurnost igraćaka i proizvodi za djecu

prEN 71-15 en
Safety of toys – Part 15: Formamide in foam toy materials

prEN 71-16 en
Safety of toys – Part 16: Certain flame retardants in toy materials

prEN 71-17 en
Safety of toys – Part 17: Isothiazolinones in aqueous toy materials

prEN 71-18 en
Safety of toys – Part 18: Phenol in aqueous and polymeric toy materials

prEN 71-19 en
Safety of toys – Part 19: Migration of bisphenol A from toy materials

prEN 1930 en
Child care articles – Safety barriers – Safety requirements and test methods
Proizvodi za dojenčad i malu djecu – Sigurnosne ograde – Sigurnosni zahtjevi i metode ispitivanja

HZN/TO 207, Upravljanje okolišem

prEN ISO 14071 en
Environmental management – Life cycle assessment – Critical review processes and reviewer competencies: Additional requirements and guidelines to ISO 14044:2006 (ISO/DIS 14071:2023)
Upravljanje okolišem – Procjena životnog ciklusa – Procesi kritičke ocjene i kompetencije ocjenjivača: Dodatni zahtjevi i smjernice za normu ISO 14044:2006 (ISO/DIS 14071:2023)

HZN/TO 215, Zdravstvena informatika

prEN ISO 21860 en
Health Informatics – Reference standards portfolio (RSP) – Clinical imaging (ISO 21860:2020)

HZN/TO 218, Drvo

prEN 15119-1 en
Durability of wood and wood-based products – Determination of emissions from preservative treated wood to the environment – Part 1: Wood held in the storage yard after treatment and wooden commodities exposed in Use Class 3 (not covered, not in contact with the ground) – Laboratory method
Trajnost drva i proizvoda na osnovi drva – Određivanje emisije iz drva tretiranog sredstvima za zaštitu u okolinu – 1. dio: Drvo koje se drži na stovarištu nakon tretiranja i drvena roba izložena u razredu uporabe 3 (nepokriveno, nije u kontaktu s tlom) – Laboratorijska metoda

HZN/TO 502, Plinski uređaji

prEN 16905-3 en
Gas-fired endothermic engine driven heat pumps – Part 3: Test conditions
Dizalice topline s plinskim endotermnim motorom – 3. dio: Uvjeti ispitivanja

HZN/TO 503, Metalni materijali

prEN ISO 6506-1 en
Metallic materials – Brinell hardness test – Part 1: Test method (ISO/DIS 6506-1:2023)
Metalni materijali – Ispitivanje tvrdoće prema Brinellu – 1. dio: Metoda ispitivanja (ISO/DIS 6506-1:2023)

prEN ISO 6506-2 en
Metallic materials – Brinell hardness test – Part 2: Verification and calibration of testing machines (ISO/DIS 6506-2:2023)
Metalni materijali – Ispitivanje tvrdoće prema Brinellu – 2. dio: Provjeravanje i umjeravanje ispitnih uređaja (ISO/DIS 6506-2:2023)

prEN ISO 6506-3 en
Metallic materials – Brinell hardness test – Part 3: Calibration of reference blocks (ISO/DIS 6506-3:2023)
Metalni materijali – Ispitivanje tvrdoće prema Brinellu – 3. dio: Umjeravanje referentnih pločica (ISO/DIS 6506-3:2023)

prEN ISO 9658 en
Steel – Determination of aluminium content – Flame atomic absorption spectrometric method (ISO/DIS 9658:2023)
Čelik – Određivanje sadržaja aluminija – Spektrometrijska metoda atomske apsorpcije plamena (ISO/DIS 9658:2023)

HZN/TO 504, Korozija i zaštita metala i legura

EN ISO 9227:2022/prA1 en
Corrosion tests in artificial atmospheres – Salt spray tests – Amendment 1: Footnote of warning (ISO 9227:2022/DAmD 1:2023)

prEN ISO 9351 en
Galvanic anodes for cathodic protection in seawater and saline sediments (ISO/DIS 9351:2023)

EN ISO 10062:2022/prA1 en
Corrosion tests in artificial atmosphere at very low concentrations of polluting gas(es) – Amendment 1: Footnote of warning (ISO 10062:2022/DAmD 1:2023)

prEN ISO 28721-2 en
Vitreous and porcelain enamels – Glass-lined apparatus for process plants – Part 2: Designation and specification of resistance to chemical attack and thermal shock (ISO/DIS 28721-2:2023)
Staklasti i porculanski emajli – Staklasto prevučeni aparati za procesna postrojenja – 2. dio: Označavanje i specifikacija otpornosti na kemijsko djelovanje i toplinski šok (ISO/DIS 28721-2:2023)

HZN/TO 505, Prijenos i distribucija plina

prEN ISO 5124 en
LNG tank wagon/container loading & unloading (ISO/DIS 5124:2023)
Utovar i istovar ukapljenog prirodnog plina (UPP) u vagon cisternu/kontejner (ISO/DIS 5124:2023)

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

prEN ISO 23936-4 en
Oil and gas industries including lower carbon energy – Non-metallic materials in contact with media related to oil and gas production – Part 4: Fiber-reinforced composite (ISO/DIS 23936-4:2023)
Industrije nafte i plina uključujući energiju s niskim ugljikom – Nemetalni materijali u kontaktu s medijima koji se upotrebljavaju u proizvodnji nafte i plina – 4. dio: Kompozit ojačan vlaknima (ISO/DIS 23936-4:2023)

HZN/TO 513, Mjerne jedinice i mjerila

prEN ISO 4064-1 en
Water meters for cold potable water and hot water – Part 1: Metrological and technical requirements (ISO/DIS 4064-1:2023)
Vodomjeri za hladnu pitku vodu i vruću vodu – 1. dio: Mjeriteljski i tehnički zahtjevi (ISO/DIS 4064-1:2023)

prEN ISO 4064-2 en
Water meters for cold potable water and hot water – Part 2: Test methods (ISO/DIS 4064-2:2023)
Vodomjeri za hladnu pitku vodu i vruću vodu – 2. dio: Metode ispitivanja (ISO/DIS 4064-2:2023)

prEN ISO 4064-3 en
Water meters for cold potable water and hot water – Part 3: Test report format (ISO/DIS 4064-3:2023)
Vodomjeri za hladnu pitku vodu i vruću vodu – 3. dio: Oblik ispitnog izvješća (ISO/DIS 4064-3:2023)

prEN ISO 4064-4 en
Water meters for cold potable water and hot water – Part 4: Non-metrological requirements not covered in ISO 4064-1 (ISO/DIS 4064-4:2023)
Vodomjeri za hladnu pitku vodu i vruću vodu – 4. dio: Nemjeriteljski zahtjevi koji nisu obuhvaćeni normom ISO 4064-1 (ISO/DIS 4064-4:2023)

prEN ISO 4064-5 en
Water meters for cold potable water and hot water – Part 5: Installation requirements (ISO/DIS 4064-5:2023)
Vodomjeri za hladnu pitku vodu i vruću vodu – 5. dio: Zahtjevi za ugradnju (ISO/DIS 4064-5:2023)

HZN/TO 524, Inteligentni transportni sustavi

prEN 17240 en
Intelligent transport systems – ESafety – ECall end to end conformance testing for IMS packet switched based systems
Inteligentni transportni sustavi – Elektronička sigurnost – Ispitivanje sukladnosti s kraja na kraj elektroničkih hitnih poziva iz vozila za IMS sustave s prespajanjem paketa

HZN/TO 531, Plastika i guma

prEN ISO 4892-1 en
Plastics – Methods of exposure to laboratory light sources – Part 1: General guidance (ISO/DIS 4892-1:2023)
Plastika – Metode izlaganja izvorima svjetla u laboratoriju – 1. dio: Opće upute (ISO/DIS 4892-1:2023)

prEN ISO 6134 en
Rubber hoses and hose assemblies for saturated steam – Specification (ISO/DIS 6134:2023)
Gumena crijeva i crijevni uređaji za zasićenu paru – Specifikacija (ISO/DIS 6134:2023)

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

prEN 13031-2 en
Greenhouses: Design and construction – Part 2: Greenhouses in garden centres open to the public
Staklenici: Projektiranje i izgradnja – 2. dio: Staklenici u vrtnim centrima otvoreni za javnost

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

prEN ISO 7499 en
Technical product documentation (TPD) – Unique integral feature identification (UIFI) (ISO/DIS 7499:2023)

prEN ISO 7533 en
Technical product documentation (TPD) – Naming the specifications in the Technical product specification (TPS) (ISO/DIS 7533:2023)

prEN ISO 16610-21 en
Geometrical product specifications (GPS) – Filtration – Part 21: Linear profile filters: Gaussian filters (ISO/DIS 16610-21:2023)
Geometrijske specifikacije proizvoda (GSP) – Filtriranje – 21. dio: Filteri linearnog profila: Gauss-ovi filteri (ISO/DIS 16610-21:2023)

prEN ISO 16610-31 en
Geometrical product specifications (GPS) – Filtration – Part 31: Robust profile filters: Gaussian regression filters (ISO/DIS 16610-31:2023)
Geometrijske specifikacije proizvoda (GSP) – Filtriranje – 31. dio: Robusni profilni filteri – Gaussovi regresijski filteri (ISO/DIS 16610-31:2023)

prEN ISO 25178-601 en
Geometrical product specifications (GPS) – Surface texture: Areal – Part 601: Design and characteristics of contact (stylus) instruments (ISO/DIS 25178-601:2023)
Geometrijske specifikacije proizvoda (GSP) – Tekstura površine: Areal – 601. dio: Nazivne karakteristike kontaktnih instrumenta (s ticalom) (ISO/DIS 25178-601:2023)

prEN ISO 25178-602 en
Geometrical product specifications (GPS) – Surface texture: Areal – Part 602: Design and characteristics of non-contact (confocal chromatic probe) instruments (ISO/DIS 25178-602:2023)
Geometrijske specifikacije proizvoda (GSP) – Tekstura površine: Areal – 602. dio: Nazivne karakteristike nekontaktnih instrumenta (konfokalna kromatska sonda) (ISO/DIS 25178-602:2023)

prEN ISO 25178-603 en
Geometrical product specifications (GPS) – Surface texture: Areal – Part 603: Design and characteristics of non-contact (phase shifting interferometry) instruments (ISO/DIS 25178-603:2023)
Geometrijske specifikacije proizvoda (GSP) – Tekstura površine: Ploštinska – 603. dio: Nazivne karakteristike nekontaktnih instrumenata (interferometrijska mikroskopija s faznim pomakom) (ISO/DIS 25178-603:2023)

prEN ISO 25178-604 en
Geometrical product specifications (GPS) – Surface texture: Areal – Part 604: Design and characteristics of non-contact (coherence scanning interferometry) instruments (ISO/DIS 25178-604:2023)
Geometrijske specifikacije proizvoda (GSP) – Tekstura površine: Ploštinska – 604. dio: Nazivne karakteristike nekontaktnih (koherentna skenirajuća interferometrija) instrumenata (ISO/DIS 25178-604:2023)

prEN ISO 25178-605 en
Geometrical product specifications (GPS) – Surface texture: Areal – Part 605: Design and characteristics of non-contact (point autofocus probe) instruments (ISO/DIS 25178-605:2023)
Geometrijske specifikacije proizvoda (GSP) – Tekstura površine: Areal – 605. dio: Nazivne karakteristike nekontaktnih instrumenta (točkasta autofokusna sonda) (ISO/DIS 25178-605:2023)

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

prEN ISO 13351 en
Fans – Dimensions (ISO/DIS 13351:2023)
Ventilatori – Dimenzije (ISO/DIS 13351:2023)

HZN/TO 550, Opskrba vodom

prEN 18021 en
Sanitary tapware – Measurement of functional performance of taps and showers

HZN/TO 553, Predgotovljeni proizvodi

prEN 1169 en
Precast concrete products – General rules for factory production control of Glass fibre Reinforced Concrete
Predgotovljeni betonski proizvodi – Opća pravila za kontrolu tvorničke proizvodnje betona ojačanog staklenim vlaknima

prEN 1170 en
Precast concrete products – Test methods for Glass fibre Reinforced Concrete
Predgotovljeni betonski proizvodi – Metode ispitivanja za beton ojačan staklenim vlaknima

prEN 15191 en
Precast concrete products – Classification of Glass fibre Reinforced Concrete performance
Predgotovljeni betonski proizvodi – Razredba svojstava betona ojačanog staklenim vlaknima

HZN/TO 560, Tekstilni proizvodi

prEN 16422 en
Classification of thermoregulatory properties
Podjela termoregulacijskih svojstava

HZN/TO 562, Alatni strojevi i alati

prEN 1083-1 en
Power-driven brushes – Part 1: Definitions and nomenclature
Motorom pogonjene četke – 1. dio: Definicije i nomenklatura

prEN 1083-2 en
Power-driven brushes – Part 2: Safety requirements
Motorom pogonjene četke – 2. dio: Sigurnosni zahtjevi

HZN/TO 579, Robotika, sustavi automatizacije i integracije

prEN ISO/IEC 23894 en
Information technology – Artificial intelligence – Guidance on risk management (ISO/IEC 23894:2023)
Informacijska tehnologija – Umjetna inteligencija – Smjernice za upravljanje rizikom (ISO/IEC 23894:2023)

HZN/TO E2, Rotacijski strojevi

IEC 60050-411:1996/am1:2007 en
International Electrotechnical Vocabulary (IEV) – Part 411: Rotating machinery
Međunarodni elektrotehnički rječnik – 411. dio: Rotacijski strojevi

IEC 60050-411:1996/am2:2021 en
International Electrotechnical Vocabulary (IEV) – Part 411: Rotating machinery
Međunarodni elektrotehnički rječnik – 411. dio: Rotacijski strojevi

HZN/TO E17, Sklopni i upravljački uređaji

EN IEC 62271-200:2021/prA1:2023 en
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/am1 ED3)
Visokonaponska sklopna aparatura – 200. dio: Sklopna aparatura izmjenične struje s metalnim plaštem za nazivne napone iznad 1kV do uključujući 52 kV (IEC 62271-200/am1 ED3)

HZN/TO E23, Električni instalacijski pribor

prEN IEC 61995-1:2023 en
Devices for the connection of luminaires for household and similar purposes – Part 1: General requirements (IEC 61995-1 ED2)
Naprave za priključak svjetiljki za kućanstvo i slične svrhe – 1. dio: Opći zahtjevi (IEC 61995-1 ED2)

prEN IEC 61995-1:2023/prAA:2023 en
Devices for the connection of luminaires for household and similar purposes – Part 1: General requirements
Naprave za priključak svjetiljki za kućanstvo i slične svrhe – 1. dio: Opći zahtjevi

prEN IEC 61995-2:2023 en
Devices for the connection of luminaires for household and similar purposes – Part 2: Standard sheets for dcl (IEC 61995-2 ED2)
Naprave za priključak svjetiljki za kućanstvo i slične svrhe – 2. dio: Normirani listovi za DCL (IEC 61995-2 ED2)

HZN/TO E37, Odvodnici prenapona

prEN IEC 61643-01:2023 en
Low-voltage surge protective devices – Part 01: General requirements and test methods (IEC 61643-01 ED1)

prEN IEC 61643-01:2023/prAA:2023 en
Low-voltage surge protective devices – Part 01: General Requirements and test methods

prEN IEC 61643-11:2023/prAA:2023 en
Low-voltage surge protective devices – Part 11: Surge protective devices connected to AC low-voltage power systems – Requirements and test methods

prEN IEC 61643-11:2023 (frag1) en
Fragment 1: Low-voltage surge protective devices – Part 11: Surge protective devices connected to AC low-voltage power systems – Requirements and test methods (IEC 61643-11/Frag 1 ED2)

prEN IEC 61643-11:2023 (frag 2) en
Fragment 2: Low-voltage surge protective devices – Part 11: Surge protective devices connected to AC low-voltage power systems – Requirements and test methods (IEC 61643-11/Frag 2 ED2)

prEN IEC 61643-41:2023 en
Low-voltage surge protective devices – Part 41: Surge protective devices connected to DC low-voltage power systems – Requirements and test methods (IEC 61643-41 ED1)

prEN IEC 61643-41:2023/prAA:2023 en
Low-voltage surge protective devices – Part 41: Surge protective devices connected to DC low-voltage power systems – Requirements and test methods

HZN/TO E56, Pouzdanost

prEN IEC 60300-3-10:2023 en
Dependability management – Part 3-10: Application guide – Maintainability and maintenance (IEC 60300-3-10 ED2)

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

EN IEC 61326-1:2021/prAA:2023 en
Electrical equipment for measurement, control and laboratory use – EMC requirements – Part 1: General requirements
Električna oprema za mjerenje, vođenje i laboratorijsku uporabu – Zahtjevi za elektromagnetsku kompatibilnost (EMC) – 1. dio: Opći zahtjevi

HZN/TO E69, Cestovna i industrijska električna vozila

prEN IEC 63380-1:2023 en
Local charging station management systems and local energy management systems network connectivity and information exchange – Part 1: General requirements, use cases and abstract messages (IEC 63380-1 ED1)

HZN/TO E88, Vjetroagregati

EN IEC 61400-1:2019/prA1:2023 en
Wind energy generation systems – Part 1: Design requirements (IEC 61400-1/am1 ED4)
Sustavi za proizvodnju energije iz vjetra – 1. dio: Zahtjevi za projektiranje (IEC 61400-1/am1 ED4)

HZN/TO T4, Normizacija u telekomunikacijama

Draft EN 301 893 V2.2.0:2023 en
5 GHz WAS/RLAN – Harmonised Standard for access to radio spectrum
5 GHz WAS/RLAN – Harmonizirana norma za pristup radijskom spektru

Draft EN 303 797 V2.1.1:2023 en
Intelligent Transport Systems (ITS) – ITS-G5 Access layer in the 5 GHz frequency band – Release 2
Inteligentni transportni sustavi (ITS) – ITS-G5 pristupni sloj u 5 GHz frekvencijskom pojasu – 2. izdanje

Draft EN 303 798 V2.0.1:2023 en
Intelligent Transport Systems (ITS) – LTE-V2X and NR-V2X Access layer specification for Intelligent Transport Systems operating in the 5 GHz frequency band – Release 2
Inteligentni transportni sustavi (ITS) – Specifikacija pristupnog sloja LTE-V2X i NR-V2X za inteligentne transportne sustave koji rade u frekvencijskom pojasu 5 GHz – 2. izdanje

Draft EN 319 142-1 V1.2.0:2023 en
Electronic Signatures and Infrastructures (ESI) – PAdES digital signatures – Part 1: Building blocks and PAdES baseline signatures
Elektronički potpisi i infrastrukture (ESI) – PAdES digitalni potpisi – 1. dio: Izgrađujući blokovi i PAdES temeljni potpisi

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

prEN 18029 en
Animal health diagnostic analyses – Electronic data exchange in laboratory analysis
Dijagnostičke analize u veterinarskoj medicini – Elektronička razmjena podataka u laboratorijskoj analizi

prEN ISO/ASTM 52929 en
Additive manufacturing of metals – Powder bed fusion – Presentation of material properties in material data sheets (ISO/ASTM DIS 52929:2023)
Abitivna proizvodnja metala – Stapanje praškastih slojeva – Prikaz svojstava materijala u tehničkom listu materijala (ISO/ASTM DIS 52929:2023)

prEN ISO/ASTM 52948 en
Additive manufacturing for metals – Non-destructive testing and evaluation – Imperfections classification in PBF parts (ISO/ASTM DIS 52948:2023)
Abitivna proizvodnja metala – Nerazorna ispitivanja i vrednovanje – Klasifikacija nedostataka dijelova dobivenih stapanjem praškastih slojeva (ISO/ASTM DIS 52948:2023)

HZN/TU I2, *Strojarstvo 2*

prEN ISO 18589-3 en
Measurement of radioactivity in the environment – Soil – Part 3: Test method of gamma-emitting radionuclides using gamma-ray spectrometry (ISO 18589-3:2023)
Mjerenje radioaktivnosti u okolišu – Tlo – 3. dio: Metoda ispitivanja radionuklida koji emitiraju gama zračenje primjenom gama spektrometrije (ISO 18589-3:2023)

HZN/TU N1, *Nemetalni materijali 1*

prEN 17188 en
Materials obtained from End-of-Life Tyres (ELT) – Sampling method for granulates and powders stored in big-bags and small-bags

prEN 17308 en
Materials produced from end of life tyres – Steel wire – Determination of the non-metallic content

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

prEN ISO 1135-4 en
Transfusion equipment for medical use – Part 4: Transfusion sets for single use, gravity feed (ISO/DIS 1135-4:2023)
Oprema za transfuziju za medicinsku primjenu – 4. dio: Setovi za transfuziju za jednokratnu upotrebu, s gravitacijskim punjenjem (ISO/DIS 1135-4:2023)

prEN ISO 1135-5 en
Transfusion equipment for medical use – Part 5: Transfusion sets for single use with pressure infusion apparatus (ISO/DIS 1135-5:2023)
Oprema za transfuziju za medicinsku primjenu – 5. dio: Pribor za transfuziju za jednokratnu upotrebu s opremom za infuziju pod tlakom (ISO/DIS 1135-5:2023)

prEN ISO 20342-5 en
Assistive products for tissue integrity when lying down – Part 5: Resistance to cleaning and disinfection (ISO/DIS 20342-5:2023)
Proizvodi koji pomažu u sprječavanju ozljeda tkiva pri dugotrajnom ležanju – 2. dio: Otpornost na čišćenje i dezinfekciju (ISO/DIS 20342-5:2023)

prEN ISO 23908 en
Sharps injury protection – Requirements and test methods – Sharps protection mechanisms for single-use needles, introducers for catheters and needles used for blood testing, monitoring, sampling and medical substance administration (ISO/DIS 23908:2023)
Zaštita od ozljeda oštrim predmetima – Zahtjevi i metode ispitivanja – Mehanizmi zaštite od ozljeda za jednokratne igle, instrumente za uvođenje katetera i igle za vadenje krvi, praćenje, uzorkovanje i davanje lijekova (ISO/DIS 23908:2023)

HZN/TU U1, *Opća elektrotehnika 1*

prEN IEC 60068-3-6:2023 en
Environmental testing – Part 3-6: Supporting documentation and guidance – Confirmation of the performance of temperature/ humidity chambers (IEC 60068-3-6 ED3)
Ispitivanje utjecaja okoliša – Dio 3-6: Popratna dokumentacija i upute – Potvrda o izvedbi temperatura/vlažnost komora (IEC 60068-3-6 ED3)

prEN IEC 61788-27:2023 en
Twist pitch measurement of practical superconducting wires – Twist pitch measurement method of NbTi and Nb3Sn composite superconductors (IEC 61788-27 ED1)

HZN/TU V1, *Elektronika 1*

prEN IEC 60794-1-207:2023 en
Optical fibre cables – Part 1-207: Generic specification – Basic optical cable test procedures – Environmental test methods – Nuclear radiation, method f7 (IEC 60794-1-207 ED1)
Svjetlovodni kabeli – Dio 1-207: Generička specifikacija – Osnovni postupci ispitivanja svjetlovodnih kabela – Metode ispitivanja utjecaja okoliša – Nuklearno zračenje, metoda F7 (IEC 60794-1-207 ED1)

prEN IEC 60794-1-218:2023 en
Optical fibre cables – Part 1-218: Generic specification – Basic optical cable test procedures – Environmental test methods – Mid-span temperature cycling test for exposed optical units, method f18 (IEC 60794-1-218 ED1)
Svjetlovodni kabeli – Dio 1-218: Generička specifikacija – Osnovni postupci ispitivanja svjetlovodnih kabela – Metode ispitivanja utjecaja okoliša – Ispitivanje ciklusa temperature srednjeg raspona za izložene optičke elemente, metoda F18 (IEC 60794-1-218 ED1)

prEN IEC 62878-2-603:2023 en
Device embedding assembly technology – Part 2-603: Guideline for stacked electronic module – Test method of intra-module electrical connectivity (IEC 62878-2-603 ED1)
Tehnologija montaže s ugrađenim elementima – Dio 2-603: Smjernice za složene elektroničke module – Metoda ispitivanja električne povezivosti između modula (IEC 62878-2-603 ED1)

HZN/TU W1, *Energetska elektrotehnika 1*

prEN 50733 en
Electric forced convection ovens, steam cookers and combination ovens for professional use – Test methods for measuring the performance

prEN IEC 61810-7-29:2023 en
Electrical relays – Tests and Measurements – Part 7-29: Capacitance (IEC 61810-7-29 ED1)

prEN IEC 61810-7-31:2023 en
Electrical relays – Tests and Measurements – Part 7-31: Magnetic Remanence (IEC 61810-7-31 ED1)

prEN IEC 61810-7-32:2023 en
Electrical relays – Tests and Measurements – Part 7-32: Acoustic Noise (IEC 61810-7-32 ED1)

prEN IEC 61810-7-9:2023 en
Electrical relays – Tests and Measurements – Part 7-9: Climatic tests (IEC 61810-7-9 ED1)

prEN IEC 63399:2023 en
Household and similar electrical rice cookers – Methods for measuring the performance (IEC 63399 ED1)

1.4 Povučene hrvatske norme

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

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

HZN/TO 8, Brodogradnja

HRN EN ISO 9875:2004 en
Brodovi i pomorska tehnologija – Oprema za mjerenje dubina u pomorstvu (ISO 9875:2000; EN ISO 9875:2001)
Ships and marine technology – Marine echo-sounding equipment (ISO 9875:2000; EN ISO 9875:2001)
- bez zamjene

HRN EN ISO 9875:2004/Ispr.1:2011 en
Brodovi i pomorska tehnologija – Oprema za mjerenje dubina u pomorstvu (ISO 9875:2000/Cor 1:2006; EN ISO 9875:2001/AC:2011)
Ships and marine technology – Marine echo-sounding equipment (ISO 9875:2000/Cor 1:2006; EN ISO 9875:2001/AC:2011)
- bez zamjene

HZN/TO 22, Cestovna vozila

HRN EN ISO 8092-1:2004 en
Cestovna vozila – Spojevi za snopove električnih kabela u vozilu – 1. dio: Stopice za jednopolne spojeve – Dimenzije i posebni zahtjevi (ISO 8092-1:1996; EN ISO 8092-1:1998)
Road vehicles – Connections for on-board electrical wiring harnesses – Part 1: Tabs for single-pole connections – Dimensions and specific requirements (ISO 8092-1:1996; EN ISO 8092-1:1998)
- bez zamjene

HRN EN ISO 8092-2:2008 en
Cestovna vozila – Spojevi za snopove električnih kabela u vozilu – 2. dio: Definicije, metode ispitivanja i opći zahtjevi (ISO 8092-2:2005; EN ISO 8092-2:2005)
Road vehicles – Connections for on-board electrical wiring harnesses – Part 2: Definitions, test methods and general performance requirements (ISO 8092-2:2005; EN ISO 8092-2:2005)
- bez zamjene

HRN EN ISO 8092-3:2004 en
Cestovna vozila – Spojevi za snopove električnih kabela u vozilu – 3. dio: Stopice za višepolne spojeve – Dimenzije i posebni zahtjevi (ISO 8092-3:1996; EN ISO 8092-3:1999)
Road vehicles – Connections for on-board electrical wiring harnesses – Part 3: Tabs for multi-pole connections – Dimensions and specific requirements (ISO 8092-3:1996; EN ISO 8092-3:1999)
- bez zamjene

HRN EN ISO 8092-4:2004 en
Cestovna vozila – Spojevi za snopove električnih kabela u vozilu – 4. dio: Zatici za jednopolne i višepolne spojeve – Dimenzije i posebni zahtjevi (ISO 8092-4:1997; EN ISO 8092-4:1999)
Road vehicles – Connections for on-board electrical wiring harnesses – Part 4: Pins for single- and multi-pole connections – Dimensions and specific requirements (ISO 8092-4:1997; EN ISO 8092-4:1999)
- bez zamjene

HZN/TO 28, Naftni proizvodi i maziva

HRN EN 16906:2017 en
Tekući naftni proizvodi – Određivanje kvalitete paljenja dizelskih goriva – BASF motorna metoda (EN 16906:2017)
Liquid petroleum products – Determination of the ignition quality of diesel fuels – BASF engine method (EN 16906:2017)
- zamijenjena s: HRN EN 16906:2023

HRN EN 17306:2019 en
Tekući naftni proizvodi – Određivanje značajki destilacije pri atmosferskom tlaku – Mikrodestilacija (EN 17306:2019)
Liquid petroleum products – Determination of distillation characteristics at atmospheric pressure – Micro-distillation (EN 17306:2019)
- zamijenjena s: HRN EN 17306:2023

HZN/TO 44, Zavarivanje i srodni postupci

HRN EN ISO 9012:2012 en
Oprema za plinsko zavarivanje – Ručni plamenici s usisavanjem zraka – Specifikacije i ispitivanja (ISO 9012:2008; EN ISO 9012:2011)
Gas welding equipment – Air-aspirated hand blowpipes – Specifications and tests (ISO 9012:2008; EN ISO 9012:2011)
- zamijenjena s: HRN EN ISO 9012:2023

HZN/TO 71, Beton

HRN EN 14488-3:2007 en
Ispitivanje mlaznoga betona – 3. dio: Čvrstoća na savijanje (prvi vrh, konačna i preostala) vlaknima ojačanog uzorka grede (mikroarmiranoga betona) (EN 14488-3:2006)
Testing sprayed concrete – Part 3: Flexural strengths (first peak, ultimate and residual) of fibre reinforced beam specimens (EN 14488-3:2006)
- zamijenjena s: HRN EN 14488-3:2023

HZN/TO 92, Zaštita od požara

HRN EN 15725:2010/Ispr.1:2012 en
Proširena primjena izvještaja o ponašanju u požaru građevnih proizvoda i građevnih elemenata (EN 15725:2010/AC:2012)
Extended application reports on the fire performance of construction products and building elements (EN 15725:2010/AC:2012)
- bez zamjene

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

HRS CEN/TS 1455-2:2012 en
Plastični cijevni sustavi za odvodnju onečišćenih i otpadnih voda (niske i visoke temperature) unutar građevinskih konstrukcija – Akrlonitril/butadien/stiren (ABS) – 2. dio: Upute za ocjenu sukladnosti (CEN/TS 1455-2:2012)
Plastics piping systems for soil and waste discharge (low and high temperature) within the building structure – Acrylonitrile-butadiene-styrene (ABS) – Part 2: Guidance for the assessment of conformity (CEN/TS 1455-2:2012)
- zamijenjena s: HRS CEN/TS 1455-2:2023

HRS CEN/TS 1566-2:2012 en
Plastični cijevni sustavi za odvodnju onečišćenih i otpadnih voda (niske i visoke temperature) unutar građevinskih konstrukcija – Klorirani poli(vinil-klorid) (PVC-C) – 2. dio: Upute za ocjenu sukladnosti (CEN/TS 1566-2:2012)
Plastics piping systems for soil and waste discharge (low and high temperature) within the building structure – Chlorinated poly(vinyl chloride) (PVC-C) – Part 2: Guidance for assessment of conformity (CEN/TS 1566-2:2012)
- zamijenjena s: HRS CEN/TS 1566-2:2023

HRN EN ISO 2505:2005 en
Plastomerne cijevi – Uzdužni povrat – Ispitne metode i parametri (ISO 2505:2005; EN ISO 2505:2005)
Thermoplastics pipes – Longitudinal reversion – Test methods and parameters (ISO 2505:2005; EN ISO 2505:2005)
- zamijenjena s: HRN EN ISO 2505:2023

HZN/TO 146, Kvaliteta zraka

HRS CEN/TS 15674:2008 en
Kakvoća zraka – Mjerenje emisije iz stacionarnih izvora – Smjernice za razradu standardnih metoda (CEN/TS 15674:2007)
Air quality – Measurement of stationary source emissions – Guidelines for the elaboration of standardised methods (CEN/TS 15674:2007)
- bez zamjene

HRN ISO 16000-3:2018 en

Zrak u zatvorenom prostoru – 3. dio: Određivanje formaldehida i drugih karbonilnih spojeva u zatvorenom prostoru i ispitnim komorama – Metoda aktivnog uzorkovanja (ISO 16000-3:2011)
Indoor air – Part 3: Determination of formaldehyde and other carbonyl compounds in indoor air and test chamber air – Active sampling method (ISO 16000-3:2011)
- zamijenjena s: HRN ISO 16000-3:2023

HZN/TO 147, Kvaliteta vode

HRN EN ISO 17294-2:2016 en

Kvaliteta vode – Primjena spektrometrije masa s induktivno spregnutom plazmom (ICP-MS) – 2. dio: Određivanje odabranih elementa uključujući uranijeve izotope (ISO 17294-2:2016; EN ISO 17294-2:2016)
Water quality – Application of inductively coupled plasma mass spectrometry (ICP-MS) – Part 2: Determination of selected elements including uranium isotopes (ISO 17294-2:2016; EN ISO 17294-2:2016)
- zamijenjena s: HRN EN ISO 17294-2:2023

HZN/TO 163, Toplinska izolacija

HRN EN 1602:2013 en

Toplinsko-izolacijski proizvodi za graditeljstvo – Određivanje prividne gustoće (EN 1602:2013)
Thermal insulating products for building applications – Determination of the apparent density (EN 1602:2013)
- bez zamjene

HRN EN 1606:2013 en

Toplinsko-izolacijski proizvodi za graditeljstvo – Određivanje puzanja pri tlačnom opterećenju (EN 1606:2013)
Thermal insulating products for building applications – Determination of compressive creep (EN 1606:2013)
- bez zamjene

HRN EN 12091:2013 en

Toplinsko-izolacijski proizvodi za graditeljstvo – Određivanje otpornosti na smrzavanje-odmrzavanje (EN 12091:2013)
Thermal insulating products for building applications – Determination of freeze-thaw resistance (EN 12091:2013)
- bez zamjene

HZN/TO 179, Zidane konstrukcije

HRN CEN/TR 15123:2005 en

Projektiranje, priprema i primjena sustava unutarnjih polimernih žbuka (CEN/TR 15123:2005)
Design, preparation and application of internal polymer plastering systems (CEN/TR 15123:2005)
- bez zamjene

HRN CEN/TR 15124:2005 en

Projektiranje, priprema i primjena sustava unutarnjih žbuka na osnovi gipsa (CEN/TR 15124:2005)
Design, preparation and application of internal gypsum plastering systems (CEN/TR 15124:2005)
- bez zamjene

HRN CEN/TR 15125:2005 en

Projektiranje, priprema i primjena sustava unutarnjih cementnih i/ili vapnenih žbuka (CEN/TR 15125:2005)
Design, preparation and application of internal cement and/or lime plastering systems (CEN/TR 15125:2005)
- bez zamjene

HZN/TO 181, Sigurnost igraćaka i proizvodi za djecu

HRI CEN/TR 13387-3:2019 en

Proizvodi za dojenčad i malu djecu – Opće smjernice o sigurnosti – 3. dio: Mehaničke opasnosti (CEN/TR 13387-3:2018)
Child care articles – General safety guidelines – Part 3: Mechanical hazards (CEN/TR 13387-3:2018)
- bez zamjene

HRI CEN/TR 13387-5:2019 en

Proizvodi za dojenčad i malu djecu – Opće smjernice o sigurnosti – 5. dio: Informacije o proizvodu (CEN/TR 13387-5:2018)
Child care articles – General safety guidelines – Part 5: Product information (CEN/TR 13387-5:2018)
- bez zamjene

HZN/TO 502, Plinski uređaji

HRN EN 16905-1:2017 en

Dizalice topline s plinskim endotermnim motorom – 1. dio: Nazivi i definicije (EN 16905-1:2017)
Gas-fired endothermic engine driven heat pumps – Part 1: Terms and definitions (EN 16905-1:2017)
- zamijenjena s: HRN EN 16905-1:2023

HZN/TO 503, Metalni materijali

HRN EN ISO 6507-1:2018 en

Metalni materijali – Ispitivanje tvrdoće prema Vickersu – 1. dio: Metoda ispitivanja (ISO 6507-1:2018; EN ISO 6507-1:2018)
Metallic materials – Vickers hardness test – Part 1: Test method (ISO 6507-1:2018; EN ISO 6507-1:2018)
- zamijenjena s: HRN EN ISO 6507-1:2023

HRN EN 15530:2008 en

Aluminij i aluminijeve legure – Aspekti utjecaja aluminijevih proizvoda na okoliš – Opće smjernice za njihovo uključivanje u norme (EN 15530:2008)
Aluminium and aluminium alloys – Environmental aspects of aluminium products – General guidelines for their inclusion in standards (EN 15530:2008)
- bez zamjene

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

HRN EN ISO 25457:2011 en

Industrija nafte, petrokemije i prirodnoga plina – Detalji o baklji za opće rafinerijske i petrokemijske potrebe (ISO 25457:2008; EN ISO 25457:2008)
Petroleum, petrochemical and natural gas industries – Flare details for general refinery and petrochemical service (ISO 25457:2008; EN ISO 25457:2008)
- zamijenjena s: HRN EN ISO 25457:2023

HZN/TO 508, Ambalaža i pakiranje

HRN EN 862:2016 en

Ambalaža – Ambalaža koja djeci otežava otvaranje – Zahtjevi i postupci ispitivanja pakovina za jednokratno otvaranje nefarmaceutskih proizvoda (EN 862:2016)
Packaging – Child-resistant packaging – Requirements and testing procedures for non-reclosable packages for non-pharmaceutical products (EN 862:2016)
- zamijenjena s: HRN EN ISO 28862:2023

HRN EN 14375:2016 en

Ambalaža farmaceutskih proizvoda za jednokratno otvaranje koja djeci onemogućava otvaranje – Zahtjevi i ispitivanja (EN 14375:2016)
Child-resistant non-reclosable packaging for pharmaceutical products – Requirements and testing (EN 14375:2016)
- zamijenjena s: HRN EN ISO 14375:2023

HZN/TO 524, Inteligentni transportni sustavi

HRN EN 13149-5:2008 en

Javni prijevoz – Sustavi za planiranje i kontrolu rasporeda vožnje cestovnih vozila – 5. dio: Specifikacije ožičenja za CANopen (EN 13149-5:2004)
Public transport – Road vehicle scheduling and control systems – Part 5: CANopen cabling specifications (EN 13149-5:2004)
- bez zamjene

HRI CEN ISO/TR 16401-1:2019 en

Elektronička naplata – Vrednovanje opreme za utvrđivanje sukladnosti s tehničkom specifikacijom ISO/TS 17575-2 – 1. dio: Struktura niza testova i svrha testiranja (ISO/TR 16401-1:2018; CEN ISO/TR 16401-1:2018)
Electronic fee collection – Evaluation of equipment for conformity to ISO/TS 17575-2 – Part 1: Test suite structure and test purposes (ISO/TR 16401-1:2018; CEN ISO/TR 16401-1:2018)
- bez zamjene

HRI CEN ISO/TR 16401-2:2019 en
Elektronička naplata – Vrednovanje opreme za utvrđivanje sukladnosti s tehničkom specifikacijom ISO/TS 17575-2 – 2. dio: Sažetak ispitnog paketa (ISO/TR 16401-2:2018; CEN ISO/TR 16401-2:2018)
Electronic fee collection – Evaluation of equipment for conformity to ISO/TS 17575-2 – Part 2: Abstract test suite (ISO/TR 16401-2:2018; CEN ISO/TR 16401-2:2018)
- bez zamjene

HRN EN ISO 16407-1:2018 en
Elektronička naplata – Vrednovanje opreme za utvrđivanje sukladnosti s normom ISO 17575-1 – 1. dio: Struktura ispitnog paketa i svrhe ispitivanja (ISO 16407-1:2017; EN ISO 16407-1:2017)
Electronic fee collection – Evaluation of equipment for conformity to ISO 17575-1 – Part 1: Test suite structure and test purposes (ISO 16407-1:2017; EN ISO 16407-1:2017)
- bez zamjene

HRN EN ISO 16407-2:2019 en
Elektronička naplata – Vrednovanje opreme za utvrđivanje sukladnosti s normom ISO 17575-1 – 2. dio: Sažetak ispitnog paketa (ISO 16407-2:2018; EN ISO 16407-2:2018)
Electronic fee collection – Evaluation of equipment for conformity to ISO 17575-1 – Part 2: Abstract test suite (ISO 16407-2:2018; EN ISO 16407-2:2018)
- bez zamjene

HRN EN ISO 16410-1:2018 en
Elektronička naplata – Vrednovanje opreme za utvrđivanje sukladnosti s normom ISO 17575-3 – 1. dio: Struktura ispitnog paketa i svrhe ispitivanja (ISO 16410-1:2017; EN ISO 16410-1:2017)
Electronic fee collection – Evaluation of equipment for conformity to ISO 17575-3 – Part 1: Test suite structure and test purposes (ISO 16410-1:2017; EN ISO 16410-1:2017)
- bez zamjene

HRN EN ISO 16410-2:2019 en
Elektronička naplata – Vrednovanje opreme za utvrđivanje sukladnosti s normom ISO 17575-3 – 2. dio: Sažetak ispitnog paketa (ISO 16410-2:2018; EN ISO 16410-2:2018)
Electronic fee collection – Evaluation of equipment for conformity to ISO 17575-3 – Part 2: Abstract test suite (ISO 16410-2:2018; EN ISO 16410-2:2018)
- bez zamjene

HRN EN ISO 17575-1:2016 en
Elektronička naplata – Definicija programskog sučelja za autonomne sustave – 1. dio: Naplaćivanje (ISO 17575-1:2016; EN ISO 17575-1:2016)
Electronic fee collection – Application interface definition for autonomous systems – Part 1: Charging (ISO 17575-1:2016; EN ISO 17575-1:2016)
- bez zamjene

HRN EN ISO 17575-2:2016 en
Elektronička naplata – Definicija aplikacijskog sučelja za autonomne sustave – 2. dio: Komunikacija i povezivanje s nižim slojevima (ISO 17575-2:2016; EN ISO 17575-2:2016)
Electronic fee collection – Application interface definition for autonomous systems – Part 2: Communication and connection to the lower layers (ISO 17575-2:2016; EN ISO 17575-2:2016)
- bez zamjene

HRN EN ISO 17575-3:2016 en
Elektronička naplata – Definicija aplikacijskog sučelja za autonomne sustave – 3. dio: Podaci okruženja (ISO 17575-3:2016; EN ISO 17575-3:2016)
Electronic fee collection – Application interface definition for autonomous systems – Part 3: Context data (ISO 17575-3:2016; EN ISO 17575-3:2016)
- bez zamjene

HRN EN ISO 25110:2018 en
Elektronička naplata – Sučelje za naplatu unutar vozila uporabom elektroničke kartice (ISO 25110:2017; EN ISO 25110:2017)
Electronic fee collection – Interface definition for on-board account using integrated circuit card (ICC) (ISO 25110:2017; EN ISO 25110:2017)
- bez zamjene

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

HRN EN 13416:2002 en
Savijljive hidroizolacijske trake – Bitumenske, plastične i elastomerne hidroizolacijske trake za krovove – Pravila za uzorkovanje (EN 13416:2001)
Flexible sheets for waterproofing – Bitumen, plastic and rubber sheets for roof waterproofing – Rules for sampling (EN 13416:2001)
- zamijenjena s: HRN EN 13416:2023

HZN/TO 528, Oprema za željeznice

HRN EN 12663-2:2010 en
Željeznički sustav – Konstrukcijski zahtjevi za sanduk željezničkih vozila – 2. dio: Teretni vagoni (EN 12663-2:2010)
Railway applications – Structural requirements of railway vehicle bodies – Part 2: Freight wagons (EN 12663-2:2010)
- zamijenjena s: HRN EN 12663-2:2023

HRN EN 13146-8:2012 en
Željeznički sustav – Željeznički gornji ustroj – Ispitne metode za kolosiječni pričvrсни pribor – 8. dio: Ispitivanje u uporabi (EN 13146-8:2012)
Railway applications – Track – Test methods for fastening systems – Part 8: In service testing (EN 13146-8:2012)
- bez zamjene

HRN EN 14535-3:2016 en
Željeznički sustav – Kočni diskovi za željeznička vozila – 3. dio: Kočni diskovi, radna svojstva diskova i tarne čeljusti, klasifikacija (EN 14535-3:2015)
Railway applications – Brake discs for railway rolling stock – Part 3: Brake discs, performance of the disc and the friction couple, classification (EN 14535-3:2015)
- bez zamjene

HRN EN 15085-2:2020 en
Željeznički sustav – Zavarivanje željezničkih vozila i sastavnih dijelova – 2. dio: Zahtjevi za poduzeća za zavarivanje (EN 15085-2:2020)
Railway applications – Welding of railway vehicles and components – Part 2: Requirements for welding manufacturers (EN 15085-2:2020)
- zamijenjena s: HRN EN 15085-2:2023

HRN EN 16272-3-1:2013 en
Željeznički sustav – Željeznički gornji ustroj – Zvučne zapreke i odgovarajući uređaji koji djeluju na rasprostiranje zvuka zrakom – Ispitne metode za određivanje akustičnih svojstava – Dio 3-1: Lepeza normalizirane željezničke buke i jednoznačenkasta podjela primjene difuznih polja (EN 16272-3-1:2012)
Railway applications – Track – Noise barriers and related devices acting on airborne sound propagation – Test method for determining the acoustic performance – Part 3-1: Normalized railway noise spectrum and single number ratings for diffuse field applications (EN 16272-3-1:2012)
- zamijenjena s: HRN EN 16272-3-1:2023

HRN EN 16272-3-2:2014 en
Željeznički sustav – Željeznički gornji ustroj – Zvučne zapreke i odgovarajući uređaji koji djeluju na rasprostiranje zvuka zrakom – Metoda ispitivanja za određivanje akustičnih svojstava – Dio 3-2: Lepeza normalizirane željezničke buke i jednoznačenkasta podjela primjene neposrednog polja (EN 16272-3-2:2014)
Railway applications – Track – Noise barriers and related devices acting on airborne sound propagation – Test method for determining the acoustic performance – Part 3-2: Normalized railway noise spectrum and single number ratings for direct field applications (EN 16272-3-2:2014)
- zamijenjena s: HRN EN 16272-3-2:2023

HZN/TO 531, Plastika i guma

HRN EN ISO 14126:2005 en
Plastični kompoziti ojačani vlaknima – Određivanje pritisnih svojstava u smjeru ravnine oslojavanja (ISO 14126:1999+Cor 1:2001; EN ISO 14126:1999+AC:2002)
Fibre-reinforced plastic composites – Determination of compressive properties in the in-plane direction (ISO 14126:1999+Cor 1:2001; EN ISO 14126:1999+AC:2002)
- zamijenjena s: HRN EN ISO 14126:2023

HZN/TO 533, Kolničke konstrukcije

HRN EN 13877-1:2013 en
Betonski kolnici – 1. dio: Materijali (EN 13877-1:2013)
Concrete pavements – Part 1: Materials (EN 13877-1:2013)
- zamijenjena s: HRN EN 13877-1:2023

HRN EN 13877-2:2013 en
Betonski kolnici – 2. dio: Funkcionalni zahtjevi za betonske kolnike (EN 13877-2:2013)
Concrete pavements – Part 2: Functional requirements for concrete pavements (EN 13877-2:2013)
- zamijenjena s: HRN EN 13877-2:2023

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

HRN EN 13049:2006 en
Prozori – Udar mekog teškog tijela – Ispitna metoda, zahtjevi za sigurnost i razredba (EN 13049:2003)
Windows – Soft and heavy body impact – Test method, safety requirements and classification (EN 13049:2003)
- zamijenjena s: HRN EN 13049:2023

HZN/TO 539, Kemijski dezinficijensi i antiseptici

HRN EN 13697:2019 en
Kemijski dezinficijensi i antiseptici – Kvantitativni test na neporoznoj površini za procjenu bakteriocidne i/ili fungicidne djelotvornosti kemijskih dezinficijensa i antiseptika koji se upotrebljavaju u područjima povezanim s hranom, u industriji, domaćinstvu i ustanovama – Metoda ispitivanja i zahtjevi bez mehaničkog djelovanja (faza 2, korak 2) (EN 13697:2015+A1:2019)
Chemical disinfectants and antiseptics – Quantitative non-porous surface test for the evaluation of bactericidal and/or fungicidal activity of chemical disinfectants used in food, industrial, domestic and institutional areas – Test method and requirements without mechanical action (phase 2, step 2) (EN 13697:2015+A1:2019)
- zamijenjena s: HRN EN 13697:2023

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

HRI CEN/TR 12098-6:2016 en
Upravljanje sustavima grijanja – 6. dio: Prateći TR prEN 12098-1:2015 – Moduli M3-5, 6, 7, 8 (CEN/TR 12098-6:2016)
Controls for heating systems – Part 6: Accompanying TR prEN 12098-1:2015 – Modules M3-5, 6, 7, 8 (CEN/TR 12098-6:2016)
- bez zamjene

HRI CEN/TR 12098-7:2016 en
Upravljanje sustavima grijanja – 7. dio: Prateći TR prEN 12098-3:2015 – Moduli M3-5, 6, 7, 8 (CEN/TR 12098-7:2016)
Controls for heating systems – Part 7: Accompanying TR prEN 12098-3:2015 – Modules M3-5, 6, 7, 8 (CEN/TR 12098-7:2016)
- bez zamjene

HRI CEN/TR 12098-8:2016 en
Upravljanje sustavima grijanja – 8. dio: Prateći TR prEN 12098-5:2015 – Moduli M3-5, 6, 7, 8 (CEN/TR 12098-8:2016)
Controls for heating systems – Part 8: Accompanying TR prEN 12098-5:2015 – Modules M3-5, 6, 7, 8 (CEN/TR 12098-8:2016)
- bez zamjene

HRS CEN/TS 15231:2008 en
Otvorena podatkovna komunikacija u automatizaciji zgrada, nadzor i upravljanje zgradama – Mrežni kontrolni protokol – Mapiranje između Lonworks-a i BACneta (CEN/TS 15231:2006)
Open data communication in building automation, controls and building management – Mapping between Lonworks and BACnet (CEN/TS 15231:2006)
- bez zamjene

HRS CEN/TS 15379:2008 en
Upravljanje zgradama – Nazivlje i opseg usluga (CEN/TS 15379:2006)
Building management – Terminology and scope of services (CEN/TS 15379:2006)
- bez zamjene

HRS CEN/TS 15810:2010 en
Grafički simboli za uporabu na integriranoj opremi za automatizaciju zgrade (CEN/TS 15810:2008)
Graphical symbols for use on integrated building automation equipment (CEN/TS 15810:2008)
- bez zamjene

HZN/TO 543, Poštanske usluge

HRS CEN/TS 14826:2008 en
Poštanske usluge – Automatska identifikacija pošiljaka – Specifikacija kvalitete ispisa dvodimenzionalnih bar kod simbola za strojnu čitljivost digitalnih poštanskih maraka (CEN/TS 14826:2004)
Postal services – Automatic identification of items – Two dimensional bar code symbol print quality specification for machine readable Digital Postage Marks (CEN/TS 14826:2004)
- bez zamjene

HZN/TO 550, Opskrba vodom

HRN EN 14944-1:2008 en
Utjecaj cementnih proizvoda na vodu namijenjenu ljudskoj uporabi – Ispitne metode – 1. dio: Utjecaj tvornički proizvedenih cementnih proizvoda na organoleptička svojstva (EN 14944-1:2006)
Influence of cementitious products on water intended for human consumption – Test methods – Part 1: Influence of factory made cementitious products on organoleptic parameters (EN 14944-1:2006)
- zamijenjena s: HRN EN 14944-1:2023

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

HRN EN 892:2021 en
Planinarska oprema – Dinamička užad – Sigurnosni zahtjevi i metode ispitivanja (EN 892:2012+A2:2021)
Mountaineering equipment – Dynamic mountaineering ropes – Safety requirements and test methods (EN 892:2012+A2:2021)
- zamijenjena s: HRN EN 892:2023

HRN EN 1176-1:2017 en
Oprema i podloge za igrališta – 1. dio: Opći sigurnosni zahtjevi i metode ispitivanja (EN 1176-1:2017)
Playground equipment and surfacing – Part 1: General safety requirements and test methods (EN 1176-1:2017)
- zamijenjena s: HRN EN 1176-1:2023

HRN EN 13089:2021 en
Planinarska oprema – Oruđe za led – Sigurnosni zahtjevi i metode ispitivanja (EN 13089:2011+A2:2021)
Mountaineering equipment – Ice-tools – Safety requirements and test methods (EN 13089:2011+A2:2021)
- zamijenjena s: HRN EN 13089:2023

HRI CEN/TR 16598:2014 en
Zbirka pojašnjenja uz normu EN 1176 – Zahtjevi (CEN/TR 16598:2014)
Collection of rationales for EN 1176 – Requirements (CEN/TR 16598:2014)
- bez zamjene

HZN/TO 582, Informacijska sigurnost i upravljanje kontinuitetom poslovanja

HRN EN ISO/IEC 18045:2020 en
Informacijska tehnologija – Sigurnosne tehnike – Metodologija za vrednovanje sigurnosti IT-a (ISO/IEC 18045:2008; EN ISO/IEC 18045:2020)
Information technology – Security techniques – Methodology for IT security evaluation (ISO/IEC 18045:2008; EN ISO/IEC 18045:2020)
- zamijenjena s: HRN EN ISO/IEC 18045:2023

HZN/TO E1, Nazivlje u području elektrotehnike

HRN IEC 60050(101):1997 hr,en,fr
Međunarodni elektrotehnički rječnik – 101. poglavlje: Matematika (IEC 60050(101):1977)
International Electrotechnical Vocabulary – Chapter 101: Mathematics (IEC 60050(101):1977)
- bez zamjene

HRN IEC 60050(111):1997 hr,en,fr
Međunarodni elektrotehnički rječnik – 111. poglavlje: Fizika i kemija (IEC 60050(111):1996)
International Electrotechnical Vocabulary – Chapter 111: Physics and chemistry (IEC 60050(111):1996)
- bez zamjene

HZN/TO E2, Rotacijski strojevi

HRN EN 60034-3:2009 en
Rotacijski električni strojevi – 3. dio: Posebni zahtjevi za sinkrone generatore pokretane parnim turbinama ili plinskim turbinama s izgaranjem (IEC 60034-3:2007; EN 60034-3:2008)
Rotating electrical machines – Part 3: Specific requirements for synchronous generators driven by steam turbines or combustion gas turbines (IEC 60034-3:2007; EN 60034-3:2008)
- zamijenjena s: HRN EN 60034-3:2020

HRN EN 60034-5:2008 en
Rotacijski električni strojevi – 5. dio: Stupnjevi zaštite postignuti cjelovitom konstrukcijom rotacijskih strojeva (IP kod) – Klasificiranje (IEC 60034-5:2000+am1:2006; EN 60034-5:2001+A1:2007)
Rotating electrical machines – Part 5: Degrees of protection provided by the integral design of rotating electrical machines (IP code) – Classification (IEC 60034-5:2000+am1:2006; EN 60034-5:2001+A1:2007)
- zamijenjena s: HRN EN IEC 60034-5:2020

HRS CLC/TS 60034-17:2008 en
Rotacijski električni strojevi – 17. dio: Kavezni motori napajani iz pretvarača – Upute za primjenu (IEC/TS 60034-17:2002+Co rr.1:2002+Corr.2:2003; CLC/TS 60034-17:2004)
Rotating electrical machines – Part 17: Cage induction motors when fed from converters – Application guide (IEC/TS 60034-17:2002+Corr.1:2002+Corr.2:2003; CLC/TS 60034-17:2004)
- bez zamjene

HRN EN 60034-18-22:2008 en
Rotacijski električni strojevi – Dio 18-22: Funkcionalna procjena izolacijskih sustava – Ispitni postupci za namote s okruglom žicom – Klasifikacija promjena i zamjenskih komponenti izolacije (IEC 60034-18-22:2000; EN 60034-18-22:2001)
Rotating electrical machines – Part 18-22: Functional evaluation of insulation systems – Test procedures for wire-wound windings – Classification of changes and insulation component substitutions (IEC 60034-18-22:2000; EN 60034-18-22:2001)
- bez zamjene

HRS CLC/TS 60034-31:2012 en
Rotacijski električni strojevi – 31. dio: Izbor energetske učinkovitih motora uključujući primjene promjenjivih brzina – Vodič za primjenu (IEC/TS 60034-31:2010; CLC/TS 60034-31:2011)
Rotating electrical machines – Part 31: Selection of energy-efficient motors including variable speed applications – Application guide (IEC/TS 60034-31:2010; CLC/TS 60034-31:2011)
- zamijenjena s: HRN EN 60034-30-1:2014

HZN/TO E9, Električna oprema za željeznicu

HRN EN 50119:2011 en
Željeznički sustav – Stabilna postrojenja – Nadzemni kontaktni vodovi u električnoj vuči (EN 50119:2009)
Railway applications – Fixed installations – Electric traction overhead contact lines (EN 50119:2009)
- zamijenjena s: HRN EN 50119:2020

HRN EN 50119:2011/A1:2013 en
Željeznički sustav – Stabilna postrojenja – Nadzemni kontaktni vodovi u električnoj vuči (EN 50119:2009/A1:2013)
Railway applications – Fixed installations – Electric traction overhead contact lines (EN 50119:2009/A1:2013)
- zamijenjena s: HRN EN 50119:2020

HRN EN 50367:2013 en
Željeznički sustav – Sustavi oduzimača struje – Tehnički uvjeti za međusobno djelovanje pantografa i kontaktnog voda (omogućavanje slobodnog pristupa) (EN 50367:2012)
Railway applications – Current collection systems – Technical criteria for the interaction between pantograph and overhead line (to achieve free access) (EN 50367:2012)
- zamijenjena s: HRN EN 50367:2020

HRN EN 50367:2013/A1:2016 en
Željeznički sustav – Sustavi oduzimača struje – Tehnički uvjeti za međusobno djelovanje pantografa i kontaktnog voda (omogućavanje slobodnog pristupa) (EN 50367:2012/A1:2016)
Railway applications – Current collection systems – Technical criteria for the interaction between pantograph and overhead line (to achieve free access) (EN 50367:2012/A1:2016)
- zamijenjena s: HRN EN 50367:2020

HRN EN 50367:2013/Ispr.1:2014 en
Željeznički sustav – Sustavi oduzimača struje – Tehnički uvjeti za međusobno djelovanje pantografa i kontaktnog voda (omogućavanje slobodnog pristupa) (EN 50367:2012/AC:2013)
Railway applications – Current collection systems – Technical criteria for the interaction between pantograph and overhead line (to achieve free access) (EN 50367:2012/AC:2013)
- zamijenjena s: HRN EN 50367:2020

HRS CLC/TS 50546:2014 en
Željeznički sustav – Željeznička vozila – Trofazni vanjski sustav napajanja za željeznička vozila (CLC/TS 50546:2013)
Railway applications – Rolling stock – 3-phase shore (external) supply system for rail vehicles (CLC/TS 50546:2013)
- zamijenjena s: HRN EN 50546:2020

HRS CLC/TS 50591:2014 en
Specifikacija i verifikacija potrošnje energije za željezničko vozilo (CLC/TS 50591:2013)
Specification and verification of energy consumption for railway rolling stock (CLC/TS 50591:2013)
- zamijenjena s: HRN EN 50591:2019

HRN EN 60077-3:2007 en
Željeznički sustav – Električna oprema za željeznička vozila – 3. dio: Elektrotehničke komponente – Pravila za prekidače istosmjerne struje (IEC 60077-3:2001; EN 60077-3:2002)
Railway applications – Electric equipment for rolling stock – Part 3: Electrotechnical components – Rules for d.c. circuit-breakers (IEC 60077-3:2001; EN 60077-3:2002)
- zamijenjena s: HRN EN IEC 60077-3:2020

HRN EN 60077-4:2007 en
Željeznički sustav – Električna oprema za željeznička vozila – 4. dio: Elektrotehničke komponente – Pravila za izmjenične prekidače (IEC 60077-4:2003; EN 60077-4:2003)
Railway applications – Electric equipment for rolling stock – Part 4: Electrotechnical components – Rules for AC circuit-breakers (IEC 60077-4:2003; EN 60077-4:2003)
- zamijenjena s: HRN EN IEC 60077-4:2020

HRN EN 60077-5:2007 en
Željeznički sustav – Elektrotehnička oprema za željeznička vozila – 5. dio: Elektrotehničke komponente – Pravila za visokonaponske osigurače (IEC 60077-5:2003; EN 60077-5:2003)
Railway applications – Electrotechnical equipment for rolling stock – Part 5: Electrotechnical components – Rules for HV fuses (IEC 60077-5:2003; EN 60077-5:2003)
- zamijenjena s: HRN EN IEC 60077-5:2020

HZN/TO E10, Fluidi za primjenu u elektrotehnici

HRN EN 60296:2013 en
Tekućine za primjenu u elektrotehnici – Nova mineralna izolacijska ulja za transformatore i prekidače (IEC 60296:2012; EN 60296:2012)
Fluids for electrotechnical applications – Unused mineral insulating oils for transformers and switchgear (IEC 60296:2012; EN 60296:2012)
- zamijenjena s: HRN EN IEC 60296:2020

HRN EN 61100:2005 en
Razredba izolacijskih tekućina prema točki gorenja i neto kaloričnoj vrijednosti (IEC 61100:1992; EN 61100:1992)
Classification of insulating liquids according to fire-point and net calorific value (IEC 61100:1992; EN 61100:1992)
- bez zamjene

HRN EN 61221:2005 en
Naftni proizvodi i maziva – Turbinske kontrolne tekućine na bazi estera triaril fosfata – Specifikacije (IEC 61221:2004; EN 61221:2004)
Petroleum products and lubricants – Triaryl phosphate ester turbine control fluids (Category ISO-L-TCD) – Specifications (IEC 61221:2004; EN 61221:2004)
- bez zamjene

HZN/TO E11, Nadzemni vodovi

HRN EN 61854:2008 en
Nadzemni vodovi – Zahtjevi i ispitivanja za odstoynike (IEC 61854:1998; EN 61854:1998)
Overhead lines – Requirements and tests for spacers (IEC 61854:1998; EN 61854:1998)
- zamijenjena s: HRN EN IEC 61854:2020

HRN EN 61897:2008 en
Nadzemni vodovi – Zahtjevi i ispitivanja eolskih prigušivača vibracija tipa Stockbridge (IEC 61897:1998; EN 61897:1998)
Overhead lines – Requirements and tests for Stockbridge type aeolian vibration dampers (IEC 61897:1998; EN 61897:1998)
- zamijenjena s: HRN EN IEC 61897:2020

HZN/TO E14, Energetski transformatori

HRN EN 50195:2008 en
Pravila za sigurnu uporabu potpuno oklopljene električne opreme napunjene askarelom (EN 50195:1996)
Code of practice for the safe use of fully enclosed askarel-filled electrical equipment (EN 50195:1996)
- bez zamjene

HRN EN 50216-1:2008 en
Oprema za energetske transformatore i prigušnice - 1. dio: Općenito (EN 50216-1:2002)
Power transformer and reactor fittings – Part 1: General (EN 50216-1:2002)
- bez zamjene

HRN EN 50216-4:2015 en
Oprema za energetske transformatore i prigušnice – 4. dio: Osnovni pribor (priključak za uzemljenje, uređaji za punjenje i odzračivanje, džep za termometar, kotači) (EN 50216-4:2015)
Power transformer and reactor fittings – Part 4: Basic accessories (earthing terminal, drain and filling devices, thermometer pocket, wheel assembly) (EN 50216-4:2015)
- zamijenjena s: HRN EN IEC 60076-22-7:2020

HRN EN 50216-5:2008 en
Oprema za energetske transformatore i prigušnice - 5. dio: Pokazivači razine, pritiska i protoka tekućine, odušnici i sušionici zraka (EN 50216-5:2002+A2:2005+A3:2006)
Power transformer and reactor fittings – Part 5: Liquid level, pressure and flow indicators, pressure relief devices and dehydrating breathers (EN 50216-5:2002+A2:2005+A3:2006)
- zamijenjena s: HRN EN IEC 60076-22-1:2019, HRN EN IEC 60076-22-7:2020

HRN EN 50216-5:2008/Ispr.1:2014 en
Oprema za energetske transformatore i prigušnice - 5. dio: Pokazivači razine, pritiska i protoka tekućine, odušnici i sušionici zraka (EN 50216-5:2002/A2:2005/AC:2006)
Power transformer and reactor fittings – Part 5: Liquid level, pressure and flow indicators, pressure relief devices and dehydrating breathers (EN 50216-5:2002/A2:2005/AC:2006)
- zamijenjena s: HRN EN IEC 60076-22-1:2019, HRN EN IEC 60076-22-7:2020

HRN EN 50216-8:2008 en
Oprema za energetske transformatore i prigušnice – 8. dio: Leptiraste zaklopke za krugove s izolacijskom tekućinom (EN 50216-8:2005+A1:2006)
Power transformer and reactor fittings – Part 8: Butterfly valves for insulating liquid circuits (EN 50216-8:2005+A1:2006)
- zamijenjena s: HRN EN IEC 60076-22-7:2020

HRN EN 50588-2:2018 en
Energetski transformatori srednjih snaga, 50 Hz, najvećeg napona opreme koji ne prelazi 36 kV – 2. dio: Transformatori s kabelskim kutijama na visokonaponskoj i/ili niskonaponskoj strani – Opći zahtjevi za transformatore nazivne snage koja je manja ili jednaka 3150 kVA (EN 50588-2:2018)
Medium power transformers 50 Hz, with highest voltage for equipment not exceeding 36 kV – Part 2: Transformers with cable boxes on the high-voltage and/or low-voltage side – General requirements for transformers with rated power less than or equal to 3 150 kVA (EN 50588-2:2018)
- bez zamjene

HRN EN 50588-3:2018 en
Energetski transformatori srednjih snaga, 50 Hz, najvećeg napona opreme koji ne prelazi 36 kV – 3. dio: Transformatori s kabelskim kutijama na visokonaponskoj i/ili niskonaponskoj strani – Kabelske kutije tipa 1 za upotrebu na transformatorima koji udovoljavaju zahtjevima norme EN 50588-2 (EN 50588-3:2018)
Medium power transformers 50 Hz, with highest voltage for equipment not exceeding 36 kV – Part 3: Transformers with cable boxes on the high-voltage and/or low-voltage side – Cable boxes type 1 for use on transformers meeting the requirements of EN 50588-2 (EN 50588-3:2018)
- bez zamjene

HRN EN 50588-4:2018 en
Energetski transformatori srednjih snaga, 50 Hz, najvećeg napona opreme koji ne prelazi 36 kV – 4. dio: Transformatori s kabelskim kutijama na visokonaponskoj i/ili niskonaponskoj strani – Kabelske kutije tipa 2 za upotrebu na transformatorima koji udovoljavaju zahtjevima norme EN 50588-2 (EN 50588-4:2018)
Medium power transformers 50 Hz, with highest voltage for equipment not exceeding 36 kV – Part 4: Transformers with cable boxes on the high-voltage and/or low-voltage side – Cable boxes type 2 for use on transformers meeting the requirements of EN 50588-2 (EN 50588-4:2018)
- bez zamjene

HRN EN 60076-16:2011 en
Energetski transformatori – 16. dio: Transformatori za primjenu u vjetroagregatima (IEC 60076-16:2011; EN 60076-16:2011)
Power transformers – Part 16: Transformers for wind turbines application (IEC 60076-16:2011; EN 60076-16:2011)
- bez zamjene

HRN EN 61378-2:2008 en
Pretvarački transformatori – 2. dio: Transformatori za visokonaponski istosmjerni prijenos (IEC 61378-2:2001; EN 61378-2:2001)
Converter transformers – Part 2: Transformers for HVDC applications (IEC 61378-2:2001; EN 61378-2:2001)
- bez zamjene

HZN/TO E15, Čvrsti elektrotehnički izolacijski materijali

HRN HD 416.1 S1:2005 en
Specifikacija za vulkanfiber za elektrotehničke svrhe – 1. dio: Definicije i opći zahtjevi (IEC 60667-1:1980; HD 416.1 S1:1981)
Specification for vulcanized fibre for electrical purposes – Part 1: Definitions and general requirements (IEC 60667-1:1980; HD 416.1 S1:1981)
- zamijenjena s: HRN EN IEC 60667-1:2020

HRN HD 416.2 S1:2005 en
Specifikacija za vulkanfiber za elektrotehničke svrhe – 2. dio: Metode ispitivanja (IEC 60667-2:1982+am1:1986; HD 416.2 S1:1987)
Specification for vulcanized fibre for electrical purposes – Part 2: Methods of test (IEC 60667-2:1982+am1:1986; HD 416.2 S1:1987)
- zamijenjena s: HRN EN IEC 60667-2:2020

HRN HD 416.3.1 S1:2005 en
Specifikacija za vulkanfiber za elektrotehničke svrhe – 3. dio: Specifikacije za pojedinačne materijale – 1. list: Ravni listovi (IEC 60667-3-1:1986; HD 416.3.1 S1:1988)
Specification for vulcanized fibre for electrical purposes – Part 3: Specifications for individual materials – Sheet 1: Flat sheets (IEC 60667-3-1:1986; HD 416.3.1 S1:1988)
- zamijenjena s: HRN EN IEC 60667-3-1:2020

HRN EN 60454-3-6:2005 en
Ljepljive trake osjetljive na pritisak za uporabu u elektrotehnici – 3. dio: Specifikacije za pojedinačne materijale – 6. list: Trake polikarbonatne folije s ljepljivom na bazi termoplastičnog akrilata (IEC 60454-3-6:1998; EN 60454-3-6:1998)
Pressure-sensitive adhesive tapes for electrical purposes – Part 3: Specifications for individual materials – Sheet 6: Polycarbonate film tapes with acrylic thermoplastic adhesive (IEC 60454-3-6:1998; EN 60454-3-6:1998)
- bez zamjene

HRN IEC/TR 60648:2005 en
Metode ispitivanja koeficijenta trenja plastičnih folija i listova za uporabu kao električne izolacije (IEC/TR 60648:1979)
Method of test for coefficients of friction of plastic film and sheeting for use as electrical insulation (IEC/TR 60648:1979)
- bez zamjene

HZN/TO E17, Sklopni i upravljački uređaji

HRN EN 60947-5-2:2008 en
Niskonaponska sklopna aparatura – Dio 5-2: Aparati za upravljačke strujne krugove i sklopni elementi – Blizinske sklopke (IEC 60947-5-2:2007; EN 60947-5-2:2007)
Low-voltage switchgear and controlgear – Part 5-2: Control circuit devices and switching elements – Proximity switches (IEC 60947-5-2:2007; EN 60947-5-2:2007)
- zamijenjena s: HRN EN IEC 60947-5-2:2020

HRN EN 60947-5-2:2008/A1:2013 en
Niskonaponska sklopna aparatura – Dio 5-2: Aparati za upravljačke strujne krugove i sklopni elementi – Blizinske sklopke (IEC 60947-5-2:2007/am1:2012; EN 60947-5-2:2007/A1:2012)
Low-voltage switchgear and controlgear – Part 5-2: Control circuit devices and switching elements – Proximity switches (IEC 60947-5-2:2007/am1:2012; EN 60947-5-2:2007/A1:2012)
- zamijenjena s: HRN EN IEC 60947-5-2:2020

HRN EN 62271-104:2015 en
Visokonaponska sklopna aparatura – 104. dio: Sklopke izmjenične struje za nazivne napone 52 kV i više (IEC 62271-104:2015; EN 62271-104:2015)
High-voltage switchgear and controlgear – Part 104: Alternating current switches for rated voltages higher than 52 kV (IEC 62271-104:2015; EN 62271-104:2015)
- zamijenjena s: HRN EN IEC 62271-104:2020

HRN EN 62271-108:2008 en
Visokonaponska sklopna aparatura – 108. dio: Visokonaponski rastavni prekidači izmjenične struje za nazivne napone 72,5 kV i više (IEC 62271-108:2005; EN 62271-108:2006)
High-voltage switchgear and controlgear – Part 108: High-voltage alternating current disconnecting circuit-breakers for rated voltages of 72,5 kV and above (IEC 62271-108:2005; EN 62271-108:2006)
- zamijenjena s: HRN EN IEC 62271-108:2020

HRS CLC/TS 62271-304:2010 en
Visokonaponska sklopna aparatura – 304. dio: Klase izvedbi oklopljenih sklopnih aparatura za nazivne napone iznad 1 kV do uključivo 52 kV za korištenje u teškim klimatskim uvjetima (IEC/TS 62271-304:2008; CLC/TS 62271-304:2008)
High-voltage switchgear and controlgear – Part 304: Design classes for indoor enclosed switchgear and controlgear for rated voltages above 1 kV up to and including 52 kV to be used in severe climatic conditions (IEC/TS 62271-304:2008; CLC/TS 62271-304:2008)
- bez zamjene

HZN/TO E20, Električni kabeli

HRN HD 361 S3:2001 en
Način označavanja kabela (HD 361 S3:1999)
System for cable designation (HD 361 S3:1999)
- zamijenjena s: HRN HD 361 S4:2020

HRN HD 361 S3:2001/A1:2007 en
Sustav označavanja kabela (HD 361 S3:1999/A1:2006)
System for cable designation (HD 361 S3:1999/A1:2006)
- zamijenjena s: HRN HD 361 S4:2020

HRN EN 50305:2007 en
Željezničke primjene – Kabeli za željeznička vozila s posebnom postojanošću na vatru – Metode ispitivanja (EN 50305:2002)
Railway applications – Railway rolling stock cables having special fire performance – Test methods (EN 50305:2002)
- zamijenjena s: HRN EN 50305:2020

HRN EN 50306-1:2007 en
Željezničke primjene – Kabeli za željeznička vozila s posebnom postojanošću na vatru – Smanjena i standardna debljina izolacije – 1. dio: Opći zahtjevi (EN 50306-1:2002)
Railway applications – Railway rolling stock cables having special fire performance – Thin wall – Part 1: General requirements (EN 50306-1:2002)
- zamijenjena s: HRN EN 50306-1:2020

HRN EN 50306-2:2007 en
Željezničke primjene – Kabeli za željeznička vozila s posebnom postojanošću na vatru – Smanjena debljina izolacije – 2. dio: Jednožilni kabeli (EN 50306-2:2002)
Railway applications – Railway rolling stock cables having special fire performance – Thin wall – Part 2: Single core cables (EN 50306-2:2002)
- zamijenjena s: HRN EN 50306-2:2020

HRN EN 50306-3:2007 en
Željezničke primjene – Kabeli za željeznička vozila s posebnom postojanošću na vatru – Smanjena debljina izolacije – 3. dio: Jednožilni i višezilni kabeli (parice, trojke i četvorke) sa zaslonom i smanjenom debljinom plašta (EN 50306-3:2002)
Railway applications – Railway rolling stock cables having special fire performance – Thin wall – Part 3: Single core and multicore and multipair cables (pairs, triples and quads) screened and thin wall sheathed (EN 50306-3:2002)
- zamijenjena s: HRN EN 50306-3:2020

HRN EN 50306-4:2007 en
Željezničke primjene – Kabeli za željeznička vozila s posebnom postojanošću na vatru – Smanjena debljina izolacije – 4. dio: Višezilni i višeparčni kabeli sa standardnom debljinom plašta (EN 50306-4:2002)
Railway applications – Railway rolling stock cables having special fire performance – Thin wall – Part 4: Multicore and multipair cables standard wall sheathed (EN 50306-4:2002)
- zamijenjena s: HRN EN 50306-4:2020

HRN EN 60885-2:2007 en
Metode električnih ispitivanja za električne kabele – 2. dio: Ispitivanje parcijalnih izbijanja (IEC 60885-2:1987; EN 60885-2:2003)
Electrical test methods for electric cables – Part 2: Partial discharge tests (IEC 60885-2:1987; EN 60885-2:2003)
- bez zamjene

HZN/TO E23, Električni instalacijski pribor

HRN HD 363 S1:2007 en
Dimenzije završetaka osovina za elektroničke komponente s ručnim upravljanjem (IEC 60390:1972+am1:1976; HD 363 S1:1977)
Dimensions of spindle ends for manually operated electronic components (IEC 60390:1972+am1:1976; HD 363 S1:1977)
- bez zamjene

HRN EN 50520:2010 en
Pokrovne ploče i pokrovne trake za zaštitu i upozoravanje na položaj ukopanih kabela ili ukopanih cijevi u podzemnim instalacijama (EN 50520:2009)
Cover plates and cover tapes for the protection and location warning of buried cables or buried conduits in underground installations (EN 50520:2009)
- zamijenjena s: HRN EN 50520:2020

HRN EN 60670-1:2007 en
Kutije i kućišta za električni pribor za kućanstvo i slične fiksne električne instalacije – 1. dio: Opći zahtjevi (IEC 60670-1:2002+Corr.:2003, MOD; EN 60670-1:2005)
Boxes and enclosures for electrical accessories for household and similar fixed electrical installations – Part 1: General requirements (IEC 60670-1:2002+Corr.:2003, MOD; EN 60670-1:2005)
- zamijenjena s: HRN EN IEC 60670-1:2021

HRN EN 60670-1:2007/A1:2013 en
Kutije i kućišta za električni pribor za kućanstvo i slične fiksne električne instalacije – 1. dio: Opći zahtjevi (IEC 60670-1:2002/am1:2011, MOD; EN 60670-1:2005/A1:2013)
Boxes and enclosures for electrical accessories for household and similar fixed electrical installations – Part 1: General requirements (IEC 60670-1:2002/am1:2011, MOD; EN 60670-1:2005/A1:2013)
- zamijenjena s: HRN EN IEC 60670-1:2021

HRN EN 60670-1:2007/IS1:2012 en
Kutije i kućišta za električni pribor za kućanstvo i slične fiksne električne instalacije – 1. dio: Opći zahtjevi (EN 60670-1:2005/IS1:2009)
Boxes and enclosures for electrical accessories for household and similar fixed electrical installations – Part 1: General requirements (EN 60670-1:2005/IS1:2009)
- zamijenjena s: HRN EN IEC 60670-1:2021

HRN EN 60670-1:2007/Ispr.1:2012 en
Kutije i kućišta za električni pribor za kućanstvo i slične fiksne električne instalacije – 1. dio: Opći zahtjevi (EN 60670-1:2005/AC:2007)
Boxes and enclosures for electrical accessories for household and similar fixed electrical installations – Part 1: General requirements (EN 60670-1:2005/AC:2007)
- zamijenjena s: HRN EN IEC 60670-1:2021

HRN EN 60670-1:2007/Ispr.2:2012 en
Kutije i kućišta za električni pribor za kućanstvo i slične fiksne električne instalacije – 1. dio: Opći zahtjevi (EN 60670-1:2005/AC:2010)
Boxes and enclosures for electrical accessories for household and similar fixed electrical installations – Part 1: General requirements (EN 60670-1:2005/AC:2010)
- zamijenjena s: HRN EN IEC 60670-1:2021

HRN EN 60934:2002 en
Prekidači za opremu (CBE) (IEC 60934:2000; EN 60934:2001)
Circuit-breakers for equipment (CBE) (IEC 60934:2000; EN 60934:2001)
- zamijenjena s: HRN EN IEC 60934:2019

HRN EN 60934:2002/A1:2007 en
Prekidači za opremu (CBE) (IEC 60934:2000/am1:2007; EN 60934:2001/A1:2007)
Circuit-breakers for equipment (CBE) (IEC 60934:2000/am1:2007; EN 60934:2001/A1:2007)
- zamijenjena s: HRN EN IEC 60934:2019

HRN EN 60934:2002/A2:2013 en
Prekidači za opremu (CBE) (IEC 60934:2000/am2:2013; EN 60934:2001/A2:2013)
Circuit-breakers for equipment (CBE) (IEC 60934:2000/am2:2013; EN 60934:2001/A2:2013)
- zamijenjena s: HRN EN IEC 60934:2019

HRN EN 61535:2010 en
Instalacijske spojnice za trajni priključak u fiksnim instalacijama (IEC 61535:2009; EN 61535:2009)
Installations couplers intended for permanent connection in fixed installations (IEC 61535:2009; EN 61535:2009)
- zamijenjena s: HRN EN IEC 61535:2020

HRN EN 61535:2010/A1:2013 en
Instalacijske spojnice za trajni priključak u fiksnim instalacijama (IEC 61535:2009/am1:2012; EN 61535:2009/A1:2013)
Installation couplers intended for permanent connection in fixed installations (IEC 61535:2009/am1:2012; EN 61535:2009/A1:2013)
- zamijenjena s: HRN EN IEC 61535:2020

HRN EN 62275:2015 en
Sustavi za vođenje kabela – Kableske vezice za električne instalacije (IEC 62275:2013, MOD; EN 62275:2015)
Cable management systems – Cable ties for electrical installations (IEC 62275:2013, MOD; EN 62275:2015)
- zamijenjena s: HRN EN IEC 62275:2019

HRN EN IEC 62613-1:2018 en
Utikači, utičnice i brodske spojnice za visokonaponske sustave spajanja na obali (HVSC sustavi) – 1. dio: Opći zahtjevi (IEC 62613-1:2011; EN IEC 62613-1:2018)
Plugs, socket-outlets and ship couplers for high-voltage shore connection systems (HVSC-Systems) – Part 1: General requirements (IEC 62613-1:2011; EN IEC 62613-1:2018)
- bez zamjene

HZN/TO E31, Eksplozivne atmosfere

HRN EN 60079-19:2011 en
Eksplozivne atmosfere – 19. dio: Popravak, obnova i pregradnja opreme (IEC 60079-19:2010; EN 60079-19:2011)
Explosive atmospheres – Part 19: Equipment repair, overhaul and reclamation (IEC 60079-19:2010; EN 60079-19:2011)
- zamijenjena s: HRN EN IEC 60079-19:2019

HRN EN 60079-19:2011/A1:2015 en
Eksplozivne atmosfere – 19. dio: Popravak, obnova i pregradnja opreme (IEC 60079-19:2010/am1:2015; EN 60079-19:2011/A1:2015)
Explosive atmospheres – Part 19: Equipment repair, overhaul and reclamation (IEC 60079-19:2010/am1:2015; EN 60079-19:2011/A1:2015)
- zamijenjena s: HRN EN IEC 60079-19:2019

HRN EN 60079-27:2008 en
Eksplozivne atmosfere – 27. dio: Koncept samosigurne sabirnice (FISCO) (IEC 60079-27:2008; EN 60079-27:2008)
Explosive atmospheres – Part 27: Fieldbus intrinsically safe concept (FISCO) (IEC 60079-27:2008; EN 60079-27:2008)
- zamijenjena s: HRN EN 60079-11:2012

HZN/TO E34, Žarulje, svjetiljke i pripadna oprema

HRN EN 62031:2008 en
Moduli svjetlećih dioda za opću rasvjetu – Sigurnosni zahtjevi (IEC 62031:2008; EN 62031:2008)
LED modules for general lighting – Safety specifications (IEC 62031:2008; EN 62031:2008)
- zamijenjena s: HRN EN IEC 62031:2020

HRN EN 62031:2008/A1:2013 en
Moduli svjetlećih dioda za opću rasvjetu – Sigurnosni zahtjevi (IEC 62031:2008/am1:2012; EN 62031:2008/A1:2013)
LED modules for general lighting – Safety specifications (IEC 62031:2008/am1:2012; EN 62031:2008/A1:2013)
- zamijenjena s: HRN EN IEC 62031:2020

HRN EN 62031:2008/A2:2015 en
Moduli svjetlećih dioda za opću rasvjetu – Sigurnosni zahtjevi (IEC 62031:2008/am2:2014; EN 62031:2008/A2:2015)
LED modules for general lighting – Safety specifications (IEC 62031:2008/am2:2014; EN 62031:2008/A2:2015)
- zamijenjena s: HRN EN IEC 62031:2020

HRN EN 62384:2008 en
Elektroničke prigušnice koje se napajaju istosmjernom ili izmjeničnom strujom za module svjetlećih dioda – Izvedbeni zahtjevi (IEC 62384:2006; EN 62384:2006)
DC or AC supplied electronic control gear for LED modules – Performance requirements (IEC 62384:2006; EN 62384:2006)
- zamijenjena s: HRN EN IEC 62384:2020

HRN EN 62384:2008/A1:2012 en
Elektroničke prigušnice koje se napajaju istosmjernom ili izmjeničnom strujom namijenjene modulima svjetlećih dioda – Izvedbeni zahtjevi (IEC 62384:2006/am1:2009; EN 62384:2006/A1:2009)
DC or AC supplied electronic control gear for LED modules – Performance requirements (IEC 62384:2006/am1:2009; EN 62384:2006/A1:2009)
- zamijenjena s: HRN EN IEC 62384:2020

HRN EN 62386-210:2012 en
Digitalno upravljanje rasvjetom – 210. dio: Posebni zahtjevi za predspojne naprave – Sekvencer (uređaji tipa 9) (IEC 62386-210:2011; EN 62386-210:2011)
Digital addressable lighting interface – Part 210: Particular requirements for control gear – Sequencer (device type 9) (IEC 62386-210:2011; EN 62386-210:2011)
- bez zamjene

HZN/TO E36, Izolatori

HRN HD 474 S1:2008 en
Dimenzije spoja batić-zdjelica za lančaste izolatorske jedinice (IEC 60120:1984; HD 474 S1:1986)
Dimensions of ball and socket couplings of string insulator units (IEC 60120:1984; HD 474 S1:1986)
- zamijenjena s: HRN EN IEC 60120:2020

HRN EN 60372:2008 en
Uređaji za osiguranje spoja batić-zdjelica na lančastim izolatorskim jedinicama – Dimenzije i ispitivanja (IEC 60372:1984+am1:1991+am2:2003; EN 60372:2004)
Locking devices for ball and socket couplings of string insulator units – Dimensions and tests (IEC 60372:1984+am1:1991+am2:2003; EN 60372:2004)
- zamijenjena s: HRN EN IEC 60372:2020

HRN EN 62223:2014 en
Izolatori – Rječnik naziva i definicije (IEC 62223:2009; EN 62223:2009)
Insulators – Glossary of terms and definitions (IEC 62223:2009; EN 62223:2009)
- bez zamjene

HZN/TO E44, *Elektrotehnička sigurnost strojeva*

HRN EN 61496-1:2014 en
Sigurnost strojeva – Elektroosjetilna zaštitna oprema – 1. dio: Opći zahtjevi i ispitivanja (IEC 61496-1:2012; EN 61496-1:2013)
Safety of machinery – Electro-sensitive protective equipment – Part 1: General requirements and tests (IEC 61496-1:2012; EN 61496-1:2013)
- zamijenjena s: HRN EN IEC 61496-1:2020

HRN EN 61496-1:2014/Ispr.1:2015 en
Sigurnost strojeva – Elektroosjetilna zaštitna oprema – 1. dio: Opći zahtjevi i ispitivanja (IEC 61496-1:2012/Corr.1:2015; EN 61496-1:2013/AC:2015)
Safety of machinery – Electro-sensitive protective equipment – Part 1: General requirements and tests (IEC 61496-1:2012/Corr.1:2015; EN 61496-1:2013/AC:2015)
- zamijenjena s: HRN EN IEC 61496-1:2020

HRN EN 61496-2:2014 en
Sigurnost strojeva – Elektroosjetilna zaštitna oprema – 2. dio: Posebni zahtjevi za opremu koja upotrebljava aktivne optoelektroničke zaštitne naprave (IEC 61496-2:2013; EN 61496-2:2013)
Safety of machinery – Electro-sensitive protective equipment – Part 2: Particular requirements for equipment using active opto-electronic protective devices (AOPDs) (IEC 61496-2:2013; EN 61496-2:2013)
- zamijenjena s: HRN EN IEC 61496-2:2020

HRI CLC/TR 62061-1:2011 en
Smjernice za primjenu ISO 13849-1 i IEC 62061 u projektiranju sigurnosti sustava nadzora strojeva (IEC/TR 62061-1:2010; CLC/TR 62061-1:2010)
Guidance on the application of ISO 13849-1 and IEC 62061 in the design of safety-related control systems for machinery (IEC/TR 62061-1:2010; CLC/TR 62061-1:2010)
- bez zamjene

HZN/TO E55, *Žice za namote*

HRN EN 60317-0-2:2014 en
Specifikacije pojedinih vrsta žica za namote – Dio 0-2: Opći zahtjevi – Profilna bakrena lakirana žica (IEC 60317-0-2:2013; EN 60317-0-2:2014)
Specifications for particular types of winding wires – Part 0-2: General requirements – Enamelled rectangular copper wire (IEC 60317-0-2:2013; EN 60317-0-2:2014)
- zamijenjena s: HRN EN IEC 60317-0-2:2020

HRN EN 60317-0-6:2008 en
Specifikacije pojedinih vrsta žica za namote – Dio 0-6: Opći zahtjevi – Nelakirana ili lakirana okrugla bakrena žica, omotana staklenim vlaknima impregniranim smolom ili lakom (IEC 60317-0-6:2001+am1:2006; EN 60317-0-6:2001+A1:2006)
Specifications for particular types of winding wires – Part 0-6: General requirements – Glass-fibre wound resin or varnish impregnated, bare or enamelled round copper wire (IEC 60317-0-6:2001+am1:2006; EN 60317-0-6:2001+A1:2006)
- zamijenjena s: HRN EN IEC 60317-0-6:2020

HRN EN 60317-12:2013 en
Specifikacije pojedinih vrsta žica za namote – 12. dio: Okrugla bakrena žica lakirana polivinil acetalom, razreda 120 (IEC 60317-12:2010; EN 60317-12:2010)
Specifications for particular types of winding wires – Part 12: Polyvinyl acetal enamelled round copper wire, class 120 (IEC 60317-12:2010; EN 60317-12:2010)
- zamijenjena s: HRN EN IEC 60317-12:2020

HRN EN 60317-17:2013 en
Specifikacije pojedinih vrsta žica za namote – 17. dio: Profilna bakrena žica lakirana polivinil acetalom, razreda 105 (IEC 60317-17:2010; EN 60317-17:2010)
Specifications for particular types of winding wires – Part 17: Polyvinyl acetal enamelled rectangular copper wire, class 105 (IEC 60317-17:2010; EN 60317-17:2010)
- zamijenjena s: HRN EN IEC 60317-17:2020

HRN EN 60317-18:2005 en
Specifikacije pojedinih vrsta žica za namote – 18. dio: Profilna bakrena žica lakirana polivinil acetalom, razreda 120 (IEC 60317-18:2004; EN 60317-18:2004)
Specifications for particular types of winding wires – Part 18: Polyvinyl acetal enamelled rectangular copper wire, class 120 (IEC 60317-18:2004; EN 60317-18:2004)
- zamijenjena s: HRN EN IEC 60317-18:2020

HRN EN 60317-18:2005/A1:2013 en
Specifikacije pojedinih vrsta žica za namote – 18. dio: Profilna bakrena žica lakirana polivinil acetalom, razreda 120 (IEC 60317-18:2004/am1:2009; EN 60317-18:2004/A1:2010)
Specifications for particular types of winding wires – Part 18: Polyvinyl acetal enamelled rectangular copper wire, class 120 (IEC 60317-18:2004/am1:2009; EN 60317-18:2004/A1:2010)
- zamijenjena s: HRN EN IEC 60317-18:2020

HRN EN 60317-25:2013 en
Specifikacije pojedinih vrsta žica za namote – 25. dio: Poliester ili poliesterimidom lakirana okrugla aluminijaska žica, prekrivena poliamid imidom, razreda 200 (IEC 60317-25:2010; EN 60317-25:2010)
Specifications for particular types of winding wires – Part 25: Polyester or polyesterimide overcoated with polyamide-imide enamelled round aluminium wire, class 200 (IEC 60317-25:2010; EN 60317-25:2010)
- zamijenjena s: HRN EN IEC 60317-25:2020

HRN EN 60317-60:2013 en
Specifikacije pojedinih vrsta žica za namote – 60. dio: Nelakirana ili lakirana profilna bakrena žica omotana poliesterskim staklenim vlaknima minimalnog razreda 155, impregnirana lakom ili smolom ili neimpregnirana, indeksa temperature 155 (IEC 60317-60:2012; EN 60317-60:2012)
Specifications for particular types of winding wires – Part 60: Polyester glass fibre wound minimum class 155 resin or varnish impregnated or not impregnated, bare or enamelled, rectangular copper wire, temperature index 155 (IEC 60317-60:2012; EN 60317-60:2012)
- zamijenjena s: HRN EN IEC 60317-60-1:2020

HRN EN 60317-62:2013 en
Specifikacije pojedinih vrsta žica za namote – 62. dio: Nelakirana ili lakirana profilna bakrena žica omotana poliesterskim staklenim vlaknima minimalnog razreda 200, impregnirana lakom ili smolom, indeksa temperature 200 (IEC 60317-62:2012; EN 60317-62:2012)
Specifications for particular types of winding wires – Part 62: Polyester glass fibre wound, minimum class 200 resin or varnish impregnated, bare or enamelled rectangular copper wire, temperature index 200 (IEC 60317-62:2012; EN 60317-62:2012)
- zamijenjena s: HRN EN IEC 60317-62:2020

HRN EN 60317-70:2017 en
Specifikacije pojedinih vrsta žica za namote – 70. dio: Nelakirana ili lakirana okrugla bakrena žica omotana poliesterskim staklenim vlaknima, impregnirana lakom ili smolom, indeksa temperature 155 (IEC 60317-70:2017; EN 60317-70:2017)
Specifications for particular types of winding wires – Part 70: Polyester glass-fibre wound fused, unvarnished or resin or varnish impregnated, bare or enamelled round copper wire, temperature index 155 (IEC 60317-70:2017; EN 60317-70:2017)
- zamijenjena s: HRN EN IEC 60317-70-1:2020, HRN EN IEC 60317-70-2:2020

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

HRN EN 50408:2008 en
Kućanski i slični električni aparati – Sigurnost – Posebni zahtjevi grijalica za kamionsku kabinu (EN 50408:2008)
Household and similar electrical appliances – Safety – Particular requirements for cab heaters for vehicles (EN 50408:2008)
- zamijenjena s: HRN EN 60335-2-30:2011/A1:2020

HRN EN 50408:2008/A1:2014 en
Kućanski i slični električni aparati – Sigurnost – Posebni zahtjevi grijalica za kamionsku kabinu (EN 50408:2008/A1:2011)
Household and similar electrical appliances – Safety – Particular requirements for cab heaters for vehicles (EN 50408:2008/A1:2011)
- zamijenjena s: HRN EN 60335-2-30:2011/A1:2020

HRN EN 50410:2008 en
Kućanski i slični električni aparati – Sigurnost – Posebni zahtjevi za ukrasne robote (EN 50410:2008)
Household and similar electrical appliances – Safety – Particular requirements for decorative robots (EN 50410:2008)
- bez zamjene

HRN EN 60335-2-43:2005 en
Kućanski i slični električni aparati – Sigurnost – Dio 2-43: Posebni zahtjevi za sušilice odjeće i ručnika (IEC 60335-2-43:2002; EN 60335-2-43:2003)
Household and similar electrical appliances – Safety – Part 2-43: Particular requirements for clothes dryers and towel rails (IEC 60335-2-43:2002; EN 60335-2-43:2003)
- zamijenjena s: HRN EN IEC 60335-2-43:2020

HRN EN 60335-2-43:2005/A1:2008 en
Kućanski i slični električni aparati – Sigurnost – Dio 2-43: Posebni zahtjevi za sušilice odjeće i ručnika (IEC 60335-2-43:2002/am1:2005; EN 60335-2-43:2003/A1:2006)
Household and similar electrical appliances – Safety – Part 2-43: Particular requirements for clothes dryers and towel rails (IEC 60335-2-43:2002/am1:2005; EN 60335-2-43:2003/A1:2006)
- zamijenjena s: HRN EN IEC 60335-2-43:2020

HRN EN 60335-2-43:2005/A2:2008 en
Kućanski i slični električni aparati – Sigurnost – Dio 2-43: Posebni zahtjevi za sušilice odjeće i ručnika (IEC 60335-2-43:2002/am2:2008; EN 60335-2-43:2003/A2:2008)
Household and similar electrical appliances – Safety – Part 2-43: Particular requirements for clothes dryers and towel rails (IEC 60335-2-43:2002/am2:2008; EN 60335-2-43:2003/A2:2008)
- zamijenjena s: HRN EN IEC 60335-2-43:2020

HRN EN 60335-2-71:2008 en
Kućanski i slični električni aparati – Sigurnost – Dio 2-71: Posebni zahtjevi za grijalice za okot i uzgoj životinja (IEC 60335-2-71:2002, MOD+am1:2007; EN 60335-2-71:2003+A1:2007)
Household and similar electrical appliances – Safety – Part 2-71: Particular requirements for electrical heating appliances for breeding and rearing animals (IEC 60335-2-71:2002, MOD+am1:2007; EN 60335-2-71:2003+A1:2007)
- zamijenjena s: HRN EN 60335-2-71:2020

HRN EN 60335-2-87:2008 en
Kućanski i slični električni aparati – Sigurnost – Dio 2-87: Posebni zahtjevi za omamljivala životinja (IEC 60335-2-87:2002+am1:2007; EN 60335-2-87:2002+A1:2007)
Household and similar electrical appliances – Safety – Part 2-87: Particular requirements for electrical animal-stunning equipment (IEC 60335-2-87:2002+am1:2007; EN 60335-2-87:2002+A1:2007)
- zamijenjena s: HRN EN 60335-2-87:2020

HRN EN 60335-2-87:2008/A2:2019 en
Kućanski i slični električni aparati – Sigurnost – Dio 2-87: Posebni zahtjevi za omamljivala životinja (IEC 60335-2-87:2002/am2:2012; EN 60335-2-87:2002/A2:2019)
Household and similar electrical appliances – Safety – Part 2-87: Particular requirements for electrical animal-stunning equipment (IEC 60335-2-87:2002/am2:2012; EN 60335-2-87:2002/A2:2019)
- zamijenjena s: HRN EN 60335-2-87:2020

HRN EN 60335-2-9:2006/A13:2011/Ispr.1:2012 en
Kućanski i slični električni aparati – Sigurnost – Dio 2-9: Posebni zahtjevi za roštilje, pržila kruha i slične pomične aparate za kuhanje (EN 60335-2-9:2003/A13:2010/AC:2011)
Household and similar electrical appliances – Safety – Part 2-9: Particular requirements for grills, toasters and similar portable cooking appliances (EN 60335-2-9:2003/A13:2010/AC:2011)
- zamijenjena s: HRN EN IEC 60335-2-9:2023

HRN EN 60335-2-9:2006/A13:2011/Ispr.2:2012 en
Kućanski i slični električni aparati – Sigurnost – Dio 2-9: Posebni zahtjevi za roštilje, pržila kruha i slične pomične aparate za kuhanje (EN 60335-2-9:2003/A13:2010/AC:2012)
Household and similar electrical appliances – Safety – Part 2-9: Particular requirements for grills, toasters and similar portable cooking appliances (EN 60335-2-9:2003/A13:2010/AC:2012)
- zamijenjena s: HRN EN IEC 60335-2-9:2023

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

HRN EN 50110-2:2010 en
Pogon električnih postrojenja – 2. dio: Nacionalni dodaci (EN 50110-2:2010)
Operation of electrical installations – Part 2: National annexes (EN 50110-2:2010)
- zamijenjena s: HRN EN 50110-2:2021

HRN HD 60364-5-53:2016 en
Niskonaponske električne instalacije – Dio 5-53: Odabir i ugradnja električne opreme – Sklopni i upravljački uređaji (HD 60364-5-53:2015)
Low-voltage electrical installations – Part 5-53: Selection and erection of electrical equipment – Switchgear and controlgear (HD 60364-5-53:2015)
- zamijenjena s: HRN HD 60364-5-53:2022

HRN HD 60364-5-53:2016/A11:2017 en
Niskonaponske električne instalacije – Dio 5-53: Odabir i ugradnja električne opreme – Sklopni i upravljački uređaji (HD 60364-5-53:2015/A11:2017)
Low-voltage electrical installations – Part 5-53: Selection and erection of electrical equipment – Switchgear and controlgear (HD 60364-5-53:2015/A11:2017)
- zamijenjena s: HRN HD 60364-5-53:2022

HRN HD 60364-5-534:2016 en
Niskonaponske električne instalacije – Dio 5-53: Odabir i ugradnja električne opreme – Odvajanje, sklapanje i upravljanje – Točka 534: Naprave za zaštitu od prolaznih prenapona (IEC 60364-5-53:2001/am2:2015, MOD; HD 60364-5-534:2016)
Low-voltage electrical installations – Part 5-53: Selection and erection of electrical equipment – Isolation; switching and control – Clause 534: Devices for protection against transient overvoltages (IEC 60364-5-53:2001/am2:2015, MOD; HD 60364-5-534:2016)
- zamijenjena s: HRN HD 60364-5-53:2022

HRN HD 60364-5-537:2016 en
Niskonaponske električne instalacije – Dio 5-53: Odabir i ugradnja električne opreme – Uređaji za zaštitu, odvajanje, sklapanje, upravljanje i nadzor – Točka 537: Odvajanje i sklapanje (HD 60364-5-537:2016)
Low voltage electrical installations – Part 5-53: Selection and erection of electrical equipment – Switchgear and controlgear – Clause 537: Isolation and switching (HD 60364-5-537:2016)
- zamijenjena s: HRN HD 60364-5-53:2022

HRN HD 60364-5-537:2016/A11:2017 en
Niskonaponske električne instalacije – Dio 5-53: Odabir i ugradnja električne opreme – Uređaji za zaštitu, odvajanje, sklapanje, upravljanje i nadzor – Točka 537: Odvajanje i sklapanje (HD 60364-5-537:2016/A11:2017)
Low-voltage electrical installations – Part 5-53: Selection and erection of electrical equipment – Devices for protection, isolation, switching, control and monitoring – Clause 537: Isolation and switching (HD 60364-5-537:2016/A11:2017)
- zamijenjena s: HRN HD 60364-5-53:2022

HZN/TO E78, Rad pod naponom

HRN EN 60895:2008 en
Rad pod naponom – Vodljiva odjeća za uporabu kod nazivnog izmjeničnog napona do 800 kV i istosmjernog napona ± 600 kV (IEC 60895:2002, MOD; EN 60895:2003)
Live working – Conductive clothing for use at nominal voltage up to 800 kV a.c. and ± 600 kV d.c. (IEC 60895:2002, MOD; EN 60895:2003)
- zamijenjena s: HRN EN IEC 60895:2020

HZN/TO E81, Zaštita od munje

HRN EN 62858:2015 en
Određivanje gustoće udara munja na temelju sustava za lociranje munja – Opća načela (IEC 62858:2015; EN 62858:2015)
Lightning density based on lightning location systems – General principles (IEC 62858:2015; EN 62858:2015)
- zamijenjena s: HRN EN IEC 62858:2019

HZN/TO E500, Elektromagnetska kompatibilnost u elektrotehnici i telekomunikacijama

HRN EN 50529-1:2013 en
Norma elektromagnetske kompatibilnosti (EMC) za mreže – 1. dio: Telekomunikacijske mreže koje koriste telefonske vodove (EN 50529-1:2010)
EMC network standard – Part 1: Wire-line telecommunications networks using telephone wires (EN 50529-1:2010)
- bez zamjene

HRN EN 50529-2:2013 en
Norma elektromagnetske kompatibilnosti (EMC) za mreže – 2. dio: Telekomunikacijske mreže koje koriste koaksijalne kabele (EN 50529-2:2010)
EMC network standard – Part 2: Wire-line telecommunications networks using coaxial cables (EN 50529-2:2010)
- bez zamjene

HRN EN 55014-1:2017 en
Elektromagnetska kompatibilnost – Zahtjevi za kućanske uređaje, električne alate i slične uređaje – 1. dio: Emisija (CISPR 14-1:2016+Corr.1:2016; EN 55014-1:2017)
Electromagnetic compatibility – Requirements for household appliances, electric tools and similar apparatus – Part 1: Emission (CISPR 14-1:2016+Corr.1:2016; EN 55014-1:2017)
- zamijenjena s: HRN EN IEC 55014-1:2021

HRN EN 55014-1:2017/A11:2020 en
Elektromagnetska kompatibilnost – Zahtjevi za kućanske uređaje, električne alate i slične uređaje – 1. dio: Emisija (EN 55014-1:2017/A11:2020)
Electromagnetic compatibility – Requirements for household appliances, electric tools and similar apparatus – Part 1: Emission (EN 55014-1:2017/A11:2020)
- zamijenjena s: HRN EN IEC 55014-1:2021

HRN EN 55014-2:2015 en
Elektromagnetska kompatibilnost – Zahtjevi za kućanske uređaje, električne alate i slične uređaje – 2. dio: Otpornost – Norma porodice proizvoda (CISPR 14-2:2015; EN 55014-2:2015)
Electromagnetic compatibility – Requirements for household appliances, electric tools and similar apparatus – Part 2: Immunity – Product family standard (CISPR 14-2:2015; EN 55014-2:2015)
- zamijenjena s: HRN EN IEC 55014-2:2021

HRN EN 61000-2-10:2001 en
Elektromagnetska kompatibilnost (EMC) – 2. dio: Okoliš – Opis HEMP okoliša – Vodljive smetnje (IEC 61000-2-10:1998; EN 61000-2-10:1999)
Electromagnetic compatibility (EMC) – Part 2-10: Environment – Description of HEMP environment – Conducted disturbance (IEC 61000-2-10:1998; EN 61000-2-10:1999)
- bez zamjene

HRN EN 61000-3-11:2001 en
Elektromagnetska kompatibilnost (EMC) – Dio 3-11: Granice – Ograničenje naponskih promjena, naponskih kolebanja i treperenja u javnim niskonaponskim sustavima napajanja – Uređaji s nazivnom strujom ≤ 75 A za priključak pod posebnim uvjetima (IEC 61000-3-11:2000; EN 61000-3-11:2000)
Electromagnetic compatibility (EMC) – Part 3-11: Limits – Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems – Equipment with rated current ≤ 75 A and subject to conditional connection (IEC 61000-3-11:2000; EN 61000-3-11:2000)
- zamijenjena s: HRN EN 61000-3-11:2019

HRN EN 61000-4-11:2008 en
Elektromagnetska kompatibilnost (EMC) – Dio 4-11: Ispitne i mjerne tehnike – Ispitivanje otpornosti na naponske propade, kratkotrajne prekide i naponske promjene (IEC 61000-4-11:2004; EN 61000-4-11:2004)
Electromagnetic compatibility (EMC) – Part 4-11: Testing and measurement techniques – Voltage dips, short interruptions and voltage variations immunity tests (IEC 61000-4-11:2004; EN 61000-4-11:2004)
- zamijenjena s: HRN EN IEC 61000-4-11:2020

HRN EN 61000-4-11:2008/A1:2017 en
Elektromagnetska kompatibilnost (EMC) – Dio 4-11: Ispitne i mjerne tehnike – Ispitivanje otpornosti na naponske propade, kratkotrajne prekide i naponske promjene (IEC 61000-4-11:2004/am1:2017; EN 61000-4-11:2004/A1:2017)
Electromagnetic compatibility (EMC) – Part 4-11: Testing and measurement techniques – Voltage dips, short interruptions and voltage variations immunity tests (IEC 61000-4-11:2004/am1:2017; EN 61000-4-11:2004/A1:2017)
- zamijenjena s: HRN EN IEC 61000-4-11:2020

HRN EN 61000-4-3:2008 en
Elektromagnetska kompatibilnost (EMC) – Dio 4-3: Ispitne i mjerne tehnike – Ispitivanje otpornosti na zračena radiofrekvencijska elektromagnetska polja (IEC 61000-4-3:2006+am1:2007; EN 61000-4-3:2006+A1:2008)
Electromagnetic compatibility (EMC) – Part 4-3: Testing and measurement techniques – Radiated, radio-frequency, electromagnetic field immunity test (IEC 61000-4-3:2006+am1:2007; EN 61000-4-3:2006+A1:2008)
- zamijenjena s: HRN EN IEC 61000-4-3:2020

HRN EN 61000-4-3:2008/A2:2011 en
Elektromagnetska kompatibilnost (EMC) – Dio 4-3: Ispitne i mjerne tehnike – Ispitivanje otpornosti na zračena radiofrekvencijska elektromagnetska polja (IEC 61000-4-3:2006/am2:2010; EN 61000-4-3:2006/A2:2010)
Electromagnetic compatibility (EMC) – Part 4-3: Testing and measurement techniques – Radiated, radio-frequency, electromagnetic field immunity test (IEC 61000-4-3:2006/am2:2010; EN 61000-4-3:2006/A2:2010)
- zamijenjena s: HRN EN IEC 61000-4-3:2020

HRN EN 61000-4-3:2008/IS1:2021 en
Elektromagnetska kompatibilnost (EMC) – Dio 4-3: Ispitne i mjerne tehnike – Ispitivanje otpornosti na zračena radiofrekvencijska elektromagnetska polja (EN 61000-4-3:2006/IS1:2009)
Electromagnetic compatibility (EMC) – Part 4-3: Testing and measurement techniques – Radiated, radio-frequency, electromagnetic field immunity test (EN 61000-4-3:2006/IS1:2009)
- zamijenjena s: HRN EN IEC 61000-4-3:2020

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

HRN EN 985:2004 en
Tekstilne podne obloge – Ispitivanje otpornosti na kotačiće namještaja (EN 985:2001)
Textile floor coverings – Castor chair test (EN 985:2001)
- zamijenjena s: HRN EN ISO 4918:2021

HRN CEN/TS 14472-1:2004 en
Elastične, tekstilne i laminatne podne obloge – Projektiranje, priprema i ugradnja – 1. dio: Općenito (CEN/TS 14472-1:2003)
Resilient, textile and laminate floor coverings – Design, preparation and installation – Part 1: General (CEN/TS 14472-1:2003)
- bez zamjene

HRN CEN/TS 14472-2:2004 en
Elastične, tekstilne i laminatne podne obloge – Projektiranje, priprema i ugradnja – 2. dio: Tekstilne podne obloge (CEN/TS 14472-2:2003)
Resilient, textile and laminate floor coverings – Design, preparation and installation – Part 2: Textile floor coverings (CEN/TS 14472-2:2003)
- bez zamjene

HRN CEN/TS 14472-3:2004 en
Elastične, tekstilne i laminatne podne obloge – Projektiranje, priprema i ugradnja – 3. dio: Laminatne podne obloge (CEN/TS 14472-3:2003)
Resilient, textile and laminate floor coverings – Design, preparation and installation – Part 3: Laminate floor coverings (CEN/TS 14472-3:2003)
- bez zamjene

HRN CEN/TS 14472-4:2004 en
Elastične, tekstilne i laminatne podne obloge – Projektiranje, priprema i ugradnja – 4. dio: Elastične podne obloge (CEN/TS 14472-4:2003)
Resilient, textile and laminate floor coverings – Design, preparation and installation – Part 4: Resilient floor coverings (CEN/TS 14472-4:2003)
- bez zamjene

HRN EN 16082:2013 en
Usluge sigurnosti u zračnim lukama i zrakoplovstvu
(EN 16082:2011)
Airport and aviation security services (EN 16082:2011)
- zamijenjena s: HRN EN 17483-2:2023

HRN EN 16747:2015 en
Usluge sigurnosti u pomorskom prometu i lukama
(EN 16747:2015)
Maritime and port security services (EN 16747:2015)
- zamijenjena s: HRN EN 17483-3:2023

HZN/TU B1, Graditeljstvo 1

HRS CEN/TS 16637-1:2021 en
Građevni proizvodi – Procjena otpuštanja opasnih tvari
– 1. dio: Upute za utvrđivanje ispitivanja izluživanja i dodatnih
koraka ispitivanja (CEN/TS 16637-1:2018)
Construction products – Assessment of release of
dangerous substances – Part 1: Guidance for the
determination of leaching tests and additional testing steps
(CEN/TS 16637-1:2018)
- zamijenjena s: HRN EN 16637-1:2023

HRS CEN/TS 16637-2:2014 en
Građevni proizvodi – Procjena otpuštanja opasnih tvari
– 2. dio: Horizontalno dinamičko ispitivanje izluživanja s
površine (CEN/TS 16637-2:2014)
Construction products – Assessment of release of dangerous
substances – Part 2: Horizontal dynamic surface leaching
test (CEN/TS 16637-2:2014)
- zamijenjena s: HRN EN 16637-2:2023

HRS CEN/TS 16637-3:2016 en
Građevni proizvodi – Procjena otpuštanja opasnih tvari
– 3. dio: Horizontalno ispitivanje procjeđivanja tokom prema
gore (CEN/TS 16637-3:2016)
Construction products – Assessment of release of dangerous
substances – Part 3: Horizontal up-flow percolation test
(CEN/TS 16637-3:2016)
- zamijenjena s: HRN EN 16637-3:2023

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

HRN EN ISO 4628-6:2011 en
Boje i lakovi – Procjena propadanja prevlaka – Označivanje
količine i veličine grešaka i intenzivnosti jednoličnih promjena
izgleda – 6. dio: Ocjena stupnja kredanja metodom trake
(ISO 4628-6:2011; EN ISO 4628-6:2011)
Paints and varnishes – Evaluation of degradation of coatings
– Designation of quantity and size of defects, and of intensity
of uniform changes in appearance – Part 6: Assessment
of degree of chalking by tape method (ISO 4628-6:2011;
EN ISO 4628-6:2011)
- zamijenjena s: HRN EN ISO 4628-6:2023

HRN EN 13523-23:2015 en
Prevučeni metali u namotajima – Metode ispitivanja – 23. dio:
Otpornost na vlažnu atmosferu koja sadrži sumporov dioksid
(EN 13523-23:2015)
Coil coated metals – Test methods – Part 23: Resistance
to humid atmospheres containing sulfur dioxide
(EN 13523-23:2015)
- zamijenjena s: HRN EN 13523-23:2023

HZN/TU I2, Strojarstvo 2

HRN EN ISO 19238:2017 en
Radiological protection – Performance criteria for service
laboratories performing biological dosimetry by cytogenetics
(ISO 19238:2014; EN ISO 19238:2017)
- zamijenjena s: HRN EN ISO 19238:2023

HZN/TU N1, Nemetalni materijali 1

HRN EN 821-2:2008 en
Tehnička keramika – Monolitna keramika – Termo-fizikalna
svojstva – 2. dio: Određivanje toplinske difuznosti metodom
laserske bljeskalice (ili toplinskog pulsa) (EN 821-2:1997)
Advanced technical ceramics – Monolithic ceramics
– Thermo-physical properties – Part 2: Determination of
thermal diffusivity by the laser flash (or heat pulse) method
(EN 821-2:1997)
- bez zamjene

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

HRN EN 2665-001:2014 en
Nizovi o zrakoplovstvu – Automatski osigurači, tropolni,
temperaturno kompenzirani, nazivnih struja 20 A to 50 A
– 001. dio: Tehničke specifikacije (EN 2665-001:2013)
Aerospace series – Circuit breakers, three-pole, temperature
compensated, rated current 20 A to 50 A – Part 001: Technical
specification (EN 2665-001:2013)
- zamijenjena s: HRN EN 2665-001:2023

HRN EN 2794-001:2014 en
Nizovi o zrakoplovstvu – Automatski osigurači, jednopolni,
temperaturno kompenzirani, nazivnih struja 20 A do 50 A
– 001. dio: Tehničke specifikacije (EN 2794-001:2014)
Aerospace series – Circuit breakers, single-pole, temperature
compensated, rated current 20 A to 50 A – Part 001: Technical
specification (EN 2794-001:2014)
- zamijenjena s: HRN EN 2794-001:2023

HRN EN 2996-001:2008 en
Nizovi o zrakoplovstvu – Automatski osigurači, tropolni,
temperaturno kompenzirani, nazivne struje 1 A do 25 A
– 001. dio: Tehnička specifikacija (EN 2996-001:2006)
Aerospace series – Circuit breakers, three-pole, temperature
compensated, rated current 1 A to 25 A – Part 001: Technical
specification (EN 2996-001:2006)
- zamijenjena s: HRN EN 2996-001:2023

HRN EN 3375-009:2016 en
Zrakoplovstvo – Električni kabeli za prijenos digitalnih
podataka – Dio 009: Jednostruko pleteni – CAN protokol
spajanja – 120 Oma – Tip WX – Norma za proizvod
(EN 3375-009:2016)
Aerospace series – Cable, electrical, for digital data
transmission – Part 009: Single braid – CAN Bus – 120 ohms
– Type WX – Product standard (EN 3375-009:2016)
- zamijenjena s: HRN EN 3375-009:2023

HRN EN 4817:2012 en
Nizovi o zrakoplovstvu – Pasivna UHF RFID oznaka za
upotrebu u zrakoplovstvu (EN 4817:2012)
Aerospace series – Passive UHF RFID tags intended for
aircraft use (EN 4817:2012)
- zamijenjena s: HRN EN 4905:2023

HRN EN 4868:2020 en
Zrakoplovstvo – Anodno elektronanošenje temeljnih premaza
bez šesterovalentnog kroma (EN 4868:2019)
Aerospace series – Anodic electrodeposition of hexavalent
chromium free primer (EN 4868:2019)
- zamijenjena s: HRN EN 4868:2023

HRN EN 9101:2018 en
Sustavi upravljanja kvalitetom – Zahtjevi za audit za
organizacije u području zrakoplovstva, svemira i obrane
(EN 9101:2018)
Quality Management Systems – Audit Requirements for
Aviation, Space, and Defence Organisations (EN 9101:2018)
- zamijenjena s: HRN EN 9101:2023

HZN/TU U1, Opća elektrotehnika 1

HRN EN 50183:2008 en
Vodiči za nadzemne vodove – Aluminijsko-magnezij-silicijske
legure žica (EN 50183:2000)
Conductors for overhead lines – Aluminium-magnesium-silicon
alloy wires (EN 50183:2000)
- zamijenjena s: HRN EN IEC 62641:2022

HRN EN 50189:2008 en
Vodiči za nadzemne vodove – Pocičane čelične žice
(EN 50189:2000)
Conductors for overhead lines – Zinc coated steel wires
(EN 50189:2000)
- zamijenjena s: HRN EN IEC 63248:2022

HRN EN 60068-3-7:2008 en
Ispitivanje utjecaja okoliša – Dio 3-7: Popratna dokumentacija
i upute – Mjerenja u temperaturnim komorama za A i
B ispitivanja (s opterećenjem) (IEC 60068-3-7:2001;
EN 60068-3-7:2002)
Environmental testing – Part 3-7: Supporting documentation
and guidance – Measurements in temperature chambers
for tests A and B (with load) (IEC 60068-3-7:2001;
EN 60068-3-7:2002)
- zamijenjena s: HRN EN IEC 60068-3-7:2020

HRN EN 60664-1:2009 en

Koordinacija izolacije za opremu niskonaponskih sustava – 1. dio: Načela, zahtjevi i ispitivanja (IEC 60664-1:2007; EN 60664-1:2007)
Insulation coordination for equipment within low-voltage systems – Part 1: Principles, requirements and tests (IEC 60664-1:2007; EN 60664-1:2007)
- zamijenjena s: HRN EN IEC 60664-1:2020

HRN EN 60721-3-0:2008 en

Razredba uvjeta okoliša – 3. dio: Razredba skupina parametara okoliša i njihovog inteziteta – Uvod (IEC 60721-3-0:1984+am1:1987; EN 60721-3-0:1993)
Classification of environmental conditions – Part 3: Classification of groups of environmental parameters and their severities – Introduction (IEC 60721-3-0:1984+am1:1987; EN 60721-3-0:1993)
- zamijenjena s: HRN EN IEC 60721-3-0:2020

HRN EN 60889:2008 en

Tvrdo vučena aluminijska žica za vodiče za nadzemne vodove (IEC 60889:1987; EN 60889:1997)
Hard-drawn aluminium wire for overhead line conductors (IEC 60889:1987; EN 60889:1997)
- zamijenjena s: HRN EN IEC 62641:2022

HRN EN 61232:2008 en

Aluminijem oklopljene čelične žice za uporabu u elektrotehnici (IEC 61232:1993, MOD; EN 61232:1995)
Aluminium-clad steel wires for electrical purposes (IEC 61232:1993, MOD; EN 61232:1995)
- zamijenjena s: HRN EN IEC 63248:2022

HRN EN 61286:2008 en

Informacijska tehnologija – Kodirani grafički znakovi za uporabu u izradi dokumentacije u elektrotehnici i razmjenu informacija (IEC 61286:2001, MOD; EN 61286:2002)
Information technology – Coded graphic character set for use in the preparation of documents used in electrotechnology and for information interchange (IEC 61286:2001, MOD; EN 61286:2002)
- bez zamjene

HRN EN 61293:2008 en

Označivanje električne opreme brojčanim vrijednostima prema električnom napajanju – Sigurnosni zahtjevi (IEC 61293:1994; EN 61293:1994)
Marking of electrical equipment with ratings related to electrical supply – Safety requirements (IEC 61293:1994; EN 61293:1994)
- zamijenjena s: HRN EN 61293:2020

HRN EN 61788-4:2016 en

Supravodljivost – 4. dio: Mjerenje omjera preostalog otpora – Omjer preostalog otpora Nb-Ti i Nb3Sn kompozitnih supravodiča (IEC 61788-4:2016; EN 61788-4:2016)
Superconductivity – Part 4: Residual resistance ratio measurement – Residual resistance ratio of Nb-Ti and Nb3Sn composite superconductors (IEC 61788-4:2016; EN 61788-4:2016)
- zamijenjena s: HRN EN IEC 61788-4:2020

HRN EN 61788-7:2008 en

Supravodljivost – 7. dio: Mjerenja elektroničkih karakteristika – Površinska otpornost supravodiča na mikrovalnim frekvencijama (IEC 61788-7:2006; EN 61788-7:2006)
Superconductivity – Part 7: Electronic characteristic measurements – Surface resistance of superconductors at microwave frequencies (IEC 61788-7:2006; EN 61788-7:2006)
- zamijenjena s: HRN EN IEC 61788-7:2020

HRN EN 82079-1:2013 en

Priprema instrukcija za uporabu – Strukturiranje, sadržaj i prezentacija – 1. dio: Opća načela i detaljni zahtjevi (IEC 82079-1:2012; EN 82079-1:2012)
Preparation of instructions for use – Structuring, content and presentation – Part 1: General principles and detailed requirements (IEC 82079-1:2012; EN 82079-1:2012)
- zamijenjena s: HRN EN IEC/IEEE 82079-1:2020

HZN/TU W1, Energetska elektrotehnika 1

HRN EN 50194-2:2008 en

Električna oprema za otkrivanje zapaljivih plinova u kućanskim prostorima – 2. dio: Električna oprema za neprekidan rad u fiksnim instalacijama u vozilima za kampiranje i sličnim prostorima – Dodatne metode ispitivanja i izvedbeni zahtjevi (EN 50194-2:2006)
Electrical apparatus for the detection of combustible gases in domestic premises – Part 2: Electrical apparatus for continuous operation in a fixed installation in recreational vehicles and similar premises – Additional test methods and performance requirements (EN 50194-2:2006)
- zamijenjena s: HRN EN 50194-2:2019

HRN EN 50194-2:2008/A1:2016 en

Električna oprema za otkrivanje zapaljivih plinova u kućanskim prostorima – 2. dio: Električna oprema za neprekidan rad u fiksnim instalacijama u vozilima za kampiranje i sličnim prostorima – Dodatne metode ispitivanja i izvedbeni zahtjevi (EN 50194-2:2006/A1:2016)
Electrical apparatus for the detection of combustible gases in domestic premises – Part 2: Electrical apparatus for continuous operation in a fixed installation in recreational vehicles and similar premises – Additional test methods and performance requirements (EN 50194-2:2006/A1:2016)
- zamijenjena s: HRN EN 50194-2:2019

HRS ENV 50230:2011 en

Električne instalacije za zemaljsko osvjetljenje u zrakoplovstvu – Sustavi za upravljanje i praćenje – Opći zahtjevi (ENV 50230:1997)
Aeronautical ground lighting electrical installation – Control and monitoring systems – General requirements (ENV 50230:1997)
- bez zamjene

HRS ENV 50235:2011 en

Električne instalacije za zemaljsko osvjetljenje u zrakoplovstvu – Znakovi – Specifikacije opreme i ispitivanja (ENV 50235:1997)
Aeronautical ground lighting electrical installation – Signs – Equipment specifications and tests (ENV 50235:1997)
- bez zamjene

HRN EN 50242:2016 en

Električne perilice posuđa za kućansku uporabu – Metode za mjerenje radnih značajka (IEC 60436:2004, MOD+am1:2009, MOD+am2:2012, MOD; EN 50242:2016)
Electric dishwashers for household use – Methods for measuring the performance (IEC 60436:2004, MOD+am1:2009, MOD+am2:2012, MOD; EN 50242:2016)
- zamijenjena s: HRN EN 60436:2020

HRN EN 50291-2:2011 en

Električna oprema za otkrivanje ugljičnog monoksida u kućanskim prostorima – 2. dio: Električna oprema za neprekidan rad u fiksnim instalacijama u vozilima za kampiranje i sličnim prostorima, uključujući brodice – Dodatne metode ispitivanja i izvedbeni zahtjevi (EN 50291-2:2010)
Electrical apparatus for the detection of carbon monoxide in domestic premises – Part 2: Electrical apparatus for continuous operation in a fixed installation in recreational vehicles and similar premises including recreational craft – Additional test methods and performance requirements (EN 50291-2:2010)
- zamijenjena s: HRN EN 50291-2:2019

HRN EN 50342-4:2011 en

Olovni akumulatori za pokretanje – 4. dio: Dimenzije akumulatora za teška vozila (EN 50342-4:2009)
Lead-acid starter batteries – Part 4: Dimensions of batteries for heavy vehicles (EN 50342-4:2009)
- zamijenjena s: HRN EN 50342-4:2020

HRN EN 50593:2017 en

Električne perilice posuđa za komercijalnu uporabu – Ispitne metode za mjerenje radnih svojstava (EN 50593:2017)
Electric dishwashers for commercial use – Test methods for measuring the performance (EN 50593:2017)
- zamijenjena s: HRN EN IEC 63136:2019

HRN EN 50597:2018 en

Potrošnja energije automata za prodaju (EN 50597:2018)
Energy consumption of vending machines (EN 50597:2018)
- zamijenjena s: HRN EN IEC 63252:2020

- HRN EN 60045-1:2008 en
Parne turbine – 1. dio: Specifikacije (IEC 60045-1:1991; EN 60045-1:1993)
Steam turbines – Part 1: Specifications (IEC 60045-1:1991; EN 60045-1:1993)
- zamijenjena s: HRN EN IEC 60045-1:2020
- HRN EN 60086-4:2015 en
Primarne baterije – 4. dio: Sigurnost litijskih baterija (IEC 60086-4:2014; EN 60086-4:2015)
Primary batteries – Part 4: Safety of lithium batteries (IEC 60086-4:2014; EN 60086-4:2015)
- zamijenjena s: HRN EN IEC 60086-4:2019
- HRI CLC/TR 60269-5:2013 en
Niskonaponski osigurači – 5. dio: Upute za primjenu niskonaponskih osigurača (IEC/TR 60269-5:2010; CLC/TR 60269-5:2011)
Low-voltage fuses – Part 5: Guidance for the application of low-voltage fuses (IEC/TR 60269-5:2010; CLC/TR 60269-5:2011)
- bez zamjene
- HRN EN 60282-1:2010 en
Visokonaponski osigurači – 1. dio: Osigurači za ograničavanje struje (IEC 60282-1:2009; EN 60282-1:2009)
High-voltage fuses – Part 1: Current-limiting fuses (IEC 60282-1:2009; EN 60282-1:2009)
- zamijenjena s: HRN EN IEC 60282-1:2020
- HRN EN 60282-1:2010/A1:2015 en
Visokonaponski osigurači – 1. dio: Osigurači za ograničavanje struje (IEC 60282-1:2009/am1:2014; EN 60282-1:2009/A1:2014)
High-voltage fuses – Part 1: Current-limiting fuses (IEC 60282-1:2009/am1:2014; EN 60282-1:2009/A1:2014)
- zamijenjena s: HRN EN IEC 60282-1:2020
- HRN EN 60311:2008 en
Električna glačala za kućansku uporabu – Ispitne metode za mjerenje radnih značajka (IEC 60311:2002+am1:2005; EN 60311:2003+A1:2006)
Electric irons for household or similar use – Methods for measuring performance (IEC 60311:2002+am1:2005; EN 60311:2003+A1:2006)
- zamijenjena s: HRN EN IEC 60311:2019
- HRN EN 60311:2008/A2:2011 en
Električna glačala za kućanstvo ili slične upotrebe – Metode za mjerenje radnih značajka (IEC 60311:2002/am2:2009; EN 60311:2003/A2:2009)
Electric irons for household or similar use – Methods for measuring performance (IEC 60311:2002/am2:2009; EN 60311:2003/A2:2009)
- zamijenjena s: HRN EN IEC 60311:2019
- HRN EN 60519-1:2015 en
Sigurnost u instalacijama za električno grijanje i elektromagnetsku obradu – 1. dio: Opći zahtjevi (IEC 60519-1:2015; EN 60519-1:2015)
Safety in installations for electroheating and electromagnetic processing – Part 1: General requirements (IEC 60519-1:2015; EN 60519-1:2015)
- zamijenjena s: HRN EN IEC 60519-1:2020
- HRN EN 60519-8:2008 en
Sigurnost u instalacijama električnoga grijanja – 8. dio: Posebni zahtjevi za električne peći za pretaljivanje (IEC 60519-8:2005; EN 60519-8:2005)
Safety in electroheat installations – Part 8: Particular requirements for electrosag remelting furnaces (IEC 60519-8:2005; EN 60519-8:2005)
- zamijenjena s: HRN EN IEC 60519-8:2020
- HRN EN 60519-9:2009 en
Sigurnost u instalacijama električnoga grijanja – 9. dio: Posebni zahtjevi za instalacije visokofrekventnoga dielektričnog grijanja (IEC 60519-9:2005; EN 60519-9:2005)
Safety in electroheat installations – Part 9: Particular requirements for high-frequency dielectric heating installations (IEC 60519-9:2005; EN 60519-9:2005)
- bez zamjene
- HRN EN 60704-2-14:2013/A11:2015 en
Kućanski i slični električni aparati – Ispitne odredbe za određivanje uzdušne buke – Dio 2-14: Posebni zahtjevi za hladnjake, komore za smrznutu hranu i zamrzivače (EN 60704-2-14:2013/A11:2015)
Household and similar electrical appliances – Test code for the determination of airborne acoustical noise – Part 2-14: Particular requirements for refrigerators, frozen-food storage cabinets and food freezers (EN 60704-2-14:2013/A11:2015)
- bez zamjene
- HRN EN 60704-2-7:2008 en
Kućanski i slični električni aparati – Ispitne odredbe za određivanje uzdušne buke – 2. dio: Posebni zahtjevi za sušila za kosu (IEC 60704-2-7:1997; EN 60704-2-7:1998)
Household and similar electrical appliances – Test code for the determination of airborne acoustical noise – Part 2: Particular requirements for fans (IEC 60704-2-7:1997; EN 60704-2-7:1998)
- zamijenjena s: HRN EN IEC 60704-2-7:2020
- HRN EN 60704-2-8:1999 en
Kućanski i slični električni aparati – Ispitne odredbe za određivanje uzdušne buke – 2. dio: Posebni zahtjevi za električna brijala (IEC 60704-2-8:1997; EN 60704-2-8:1997)
Household and similar electrical appliances – Test code for the determination of airborne acoustical noise – Part 2: Particular requirements for electric shavers (IEC 60704-2-8:1997; EN 60704-2-8:1997)
- zamijenjena s: HRN EN IEC 60704-2-8:2020
- HRN EN 60745-2-1:2012 en
Ručni elektromotorni alati – Sigurnost – Dio 2-1: Posebni zahtjevi za bušilice i udarne bušilice (IEC 60745-2-1:2003, MOD+am1:2008; EN 60745-2-1:2010)
Hand-held motor-operated electric tools – Safety – Part 2-1: Particular requirements for drills and impact drills (IEC 60745-2-1:2003, MOD+am1:2008; EN 60745-2-1:2010)
- zamijenjena s: HRN EN 62841-2-1:2018
- HRN EN 60745-2-15:2012 en
Ručni elektromotorni alati – Sigurnost – Dio 2-15: Posebni zahtjevi za kresalice (IEC 60745-2-15:2006, MOD; EN 60745-2-15:2009)
Hand-held motor-operated electric tools – Safety – Part 2-15: Particular requirements for hedge trimmers (IEC 60745-2-15:2006, MOD; EN 60745-2-15:2009)
- zamijenjena s: HRN EN 62841-4-2:2019
- HRN EN 60745-2-15:2012/A1:2014 en
Ručni elektromotorni alati – Sigurnost – Dio 2-15: Posebni zahtjevi za kresalice (IEC 60745-2-15:2006/am1:2009; EN 60745-2-15:2009/A1:2010)
Hand-held motor-operated electric tools – Safety – Part 2-15: Particular requirements for hedge trimmers (IEC 60745-2-15:2006/am1:2009; EN 60745-2-15:2009/A1:2010)
- zamijenjena s: HRN EN 62841-4-2:2019
- HRN EN 60745-2-21:2012 en
Ručni elektromotorni alati – Sigurnost – Dio 2-21: Posebni zahtjevi za čistilice vodnih ispusta (IEC 60745-2-21:2002, MOD; EN 60745-2-21:2009)
Hand-held motor-operated electric tools – Safety – Part 2-21: Particular requirements for drain cleaners (IEC 60745-2-21:2002, MOD; EN 60745-2-21:2009)
- zamijenjena s: HRN EN 62841-2-21:2019
- HRN EN 60745-2-21:2012/A1:2013 en
Ručni elektromotorni alati – Sigurnost – Dio 2-21: Posebni zahtjevi za čistilice vodnih ispusta (IEC 60745-2-21:2002/am1:2008; EN 60745-2-21:2009/A1:2010)
Hand-held motor-operated electric tools – Safety – Part 2-21: Particular requirements for drain cleaners (IEC 60745-2-21:2002/am1:2008; EN 60745-2-21:2009/A1:2010)
- zamijenjena s: HRN EN 62841-2-21:2019
- HRN EN 60779:2008 en
Oprema za električno grijanje u industriji – Metode ispitivanja za peći za elektrolučno pretaljivanje (IEC 60779:2005; EN 60779:2005)
Industrial electroheat equipment – Test methods for electrosag remelting furnaces (IEC 60779:2005; EN 60779:2005)
- zamijenjena s: HRN EN IEC 60779:2020

- HRN EN 60974-2:2013 en
Oprema za elektrolučno zavarivanje – 2. dio: Sustavi za hlađenje tekućinom (IEC 60974-2:2013; EN 60974-2:2013)
Arc welding equipment – Part 2: Liquid cooling systems (IEC 60974-2:2013; EN 60974-2:2013)
- zamijenjena s: HRN EN IEC 60974-2:2019
- HRN EN 60974-3:2014 en
Oprema za elektrolučno zavarivanje – 3. dio: Uređaji za paljenje luka i stabilizaciju (IEC 60974-3:2013; EN 60974-3:2014)
Arc welding equipment – Part 3: Arc striking and stabilizing devices (IEC 60974-3:2013; EN 60974-3:2014)
- zamijenjena s: HRN EN IEC 60974-3:2019
- HRN EN 60974-7:2013 en
Oprema za elektrolučno zavarivanje – 7. dio: Plamenici (IEC 60974-7:2013; EN 60974-7:2013)
Arc welding equipment – Part 7: Torches (IEC 60974-7:2013; EN 60974-7:2013)
- zamijenjena s: HRN EN IEC 60974-7:2019
- HRN EN 61029-2-12:2013 en
Sigurnost prijevoznih elektromotornih alata – Dio 2-12: Posebni zahtjevi za strojeve za rezanje navoja (IEC 61029-2-12:2010, MOD; EN 61029-2-12:2011)
Safety of transportable motor-operated electric tools – Part 2-12: Particular requirements for threading machines (IEC 61029-2-12:2010, MOD; EN 61029-2-12:2011)
- zamijenjena s: HRN EN 62841-3-12:2019
- HRN EN 61044:2008 en
Punjenje olovnih akumulatora za vuču prema prilici (IEC 61044:1990; EN 61044:1992)
Opportunity-charging of lead-acid traction batteries (IEC 61044:1990; EN 61044:1992)
- bez zamjene
- HRN EN 61063:2008 en
Akustika – Mjerenje buke u zraku koju emitiraju parne turbine i pogonjeni strojevi (IEC 61063:1991; EN 61063:1996)
Acoustics – Measurement of airborne noise emitted by steam turbines and driven machinery (IEC 61063:1991; EN 61063:1996)
- bez zamjene
- HRN EN 61558-2-16:2011 en
Sigurnost transformatora, prigušnica, jedinica za napajanje i sličnih proizvoda za napone napajanja do 1100 V – Dio 2-16: Posebni zahtjevi i ispitivanja za prekidačke pretvarače za napajanje i transformatore za prekidačke pretvarače za napajanje (IEC 61558-2-16:2009; EN 61558-2-16:2009)
Safety of transformers, reactors, power supply units and similar products for supply voltages up to 1100 V – Part 2-16: Particular requirements and tests for switch mode power supply units and transformers for switch mode power supply units (IEC 61558-2-16:2009; EN 61558-2-16:2009)
- bez zamjene
- HRN EN 61558-2-16:2011/A1:2014 en
Sigurnost transformatora, prigušnica, jedinica za napajanje i sličnih proizvoda za napone napajanja do 1100 V – Dio 2-16: Posebni zahtjevi i ispitivanja za prekidačke pretvarače za napajanje i transformatore za prekidačke pretvarače za napajanje (IEC 61558-2-16:2009/am1:2013; EN 61558-2-16:2009/A1:2013)
Safety of transformers, reactors, power supply units and similar products for supply voltages up to 1100 V – Part 2-16: Particular requirements and tests for switch mode power supply units and transformers for switch mode power supply units (IEC 61558-2-16:2009/am1:2013; EN 61558-2-16:2009/A1:2013)
- bez zamjene
- HRN EN 61591:2008 en
Kućanske nape štednjaka – Ispitne metode za mjerenje radnih značajka (IEC 61591:1997+am1:2005; EN 61591:1997+A1:2006)
Household range hoods – Methods for measuring performance (IEC 61591:1997+am1:2005; EN 61591:1997+A1:2006)
- zamijenjena s: HRN EN IEC 61591:2020
- HRN EN 61591:2008/A11:2014 en
Kućanske nape štednjaka i drugi uređaji za izvlačenje plinova izgaranja – Ispitne metode za mjerenje radnih značajka (EN 61591:1997/A11:2014)
Household range hoods and other cooking fume extractors – Methods for measuring performance (EN 61591:1997/A11:2014)
- zamijenjena s: HRN EN IEC 61591:2020
- HRN EN 61591:2008/A12:2015 en
Kućanske nape štednjaka i drugi uređaji za izvlačenje plinova izgaranja – Ispitne metode za mjerenje radnih značajka (EN 61591:1997/A12:2015)
Household range hoods and other cooking fume extractors – Methods for measuring performance (EN 61591:1997/A12:2015)
- zamijenjena s: HRN EN IEC 61591:2020
- HRN EN 61591:2008/A2:2014 en
Kućanske nape štednjaka i drugi uređaji za izvlačenje plinova izgaranja – Ispitne metode za mjerenje radnih značajka (IEC 61591:1997/am2:2010; EN 61591:1997/A2:2011)
Household range hoods and other cooking fume extractors – Methods for measuring performance (IEC 61591:1997/am2:2010; EN 61591:1997/A2:2011)
- zamijenjena s: HRN EN IEC 61591:2020
- HRN EN 61817:2008 en
Prenosivi kućanski aparati za kuhanje roštiljanje i sličnu uporabu – Ispitne metode za mjerenje radnih značajka (IEC 61817:2000+am1:2004; EN 61817:2001+A1:2004)
Household portable appliances for cooking, grilling and similar use – Methods for measuring performance (IEC 61817:2000+am1:2004; EN 61817:2001+A1:2004)
- bez zamjene
- HRN EN 62041:2011 en
Sigurnost transformatora, prigušnica, jedinica za napajanje i njihovih kombinacija – Zahtjevi za elektromagnetsku kompatibilnost (IEC 62041:2010; EN 62041:2010)
Safety of transformers, reactors, power supply units and combinations thereof – EMC requirements (IEC 62041:2010; EN 62041:2010)
- zamijenjena s: HRN EN IEC 62041:2020
- HRN EN 62270:2008 en
Automatizacija hidroelektrana – Upute za upravljanje na računalnoj osnovi (IEC 62270:2004; EN 62270:2004)
Hydroelectric power plant automation – Guide for computer-based control (IEC 62270:2004; EN 62270:2004)
- bez zamjene
- HRN EN 62282-2:2014 en
Tehnologija gorivih članaka – 2. dio: Moduli gorivih članaka (IEC 62282-2:2012; EN 62282-2:2012)
Fuel cell technologies – Part 2: Fuel cell modules (IEC 62282-2:2012; EN 62282-2:2012)
- zamijenjena s: HRN EN IEC 62282-2-100:2020
- HRN EN 62282-3-100:2012 en
Tehnologija gorivih ćelija – Dio 3-100: Energetski sustavi stacionarnih gorivih ćelija – Sigurnost (IEC 62282-3-100:2012; EN 62282-3-100:2012)
Fuel cell technologies – Part 3-100: Stationary fuel cell power systems – Safety (IEC 62282-3-100:2012; EN 62282-3-100:2012)
- zamijenjena s: HRN EN IEC 62282-3-100:2020
- HRN EN 62552:2013 en
Kućanski rashladni aparati – Značajke i ispitne metode (IEC 62552:2007, MOD+Corr.1:2008; EN 62552:2013)
Household refrigerating appliances – Characteristics and test methods (IEC 62552:2007, MOD+Corr.1:2008; EN 62552:2013)
- zamijenjena s: HRN EN 62552-1:2020, HRN EN 62552-2:2020, HRN EN 62552-3:2020
- HRN EN 62660-1:2014 en
Secondary lithium-ion cells for the propulsion of electric road vehicles – Part 1: Performance testing (IEC 62660-1:2010; EN 62660-1:2011)
- zamijenjena s: HRN EN IEC 62660-1:2019

HRN EN 62826:2015 en

Uređaji za čišćenje površina – Strojevi za obradu poda sa ili bez vučnog pogona, za komercijalnu uporabu – Metode mjerenja značajki (IEC 62826:2014; EN 62826:2014)
Surface cleaning appliances – Floor treatment machines with or without traction drive, for commercial use – Methods of measuring the performance (IEC 62826:2014; EN 62826:2014)
- zamijenjena s: HRN EN IEC 62885-9:2019

HRN EN 116300:2008 en

Sekcijska specifikacija – Elektromehanički "sve ili ništa" releji za velika opterećenja utvrđene kvalitete (nazivne struje od 5 A i više) (EN 116300:1993)
Sectional specification – Electromechanical all-or-nothing heavy load relays of assessed quality (rated from 5A and above) (EN 116300:1993)
- bez zamjene

HRN EN 116303:2008 en

Prazna tiskanica za detaljnu specifikaciju – Elektromehanički "sve ili ništa" releji za velika opterećenja utvrđene kvalitete (hermetički zapečaćeni, 5 A do 25 A) (EN 116303:1993)
Blank detail specification – Electromechanical all-or-nothing heavy load relays of assessed quality (hermetically sealed, 5 A to 25 A) (EN 116303:1993)
- bez zamjene

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 121, *Anestetička i respiracijska oprema*

- **umjesto**

HRN EN ISO 5361:2023

Anestetička i respiracijska oprema – Trahealne cijevi i priključci (ISO 5361:2023; EN ISO 5361:2023)
Anaesthetic and respiratory equipment – Tracheal tubes and connectors (ISO 5361:2023; EN ISO 5361:2023)

- **treba biti**

HRN EN ISO 5361:2023

Anestetička i respiracijska oprema – Trahealne cijevi i priključci (ISO 5361:2023, **ispravljena verzija 2023-11**; EN ISO 5361:2023)
Anaesthetic and respiratory equipment – Tracheal tubes and connectors (ISO 5361:2023, **Corrected version 2023-11**; EN ISO 5361:2023)

HZN/TO 562, *Alatni strojevi i alati*

- **umjesto**

HRN EN ISO 16090-1:2023

Sigurnost alatnih strojeva – Obradni centri, glodalice, strojevi za prijenos – 1. dio: Sigurnosni zahtjevi (ISO 16090-1:2022; EN ISO 16090-1:2022)
Machine tools safety – Machining centres, milling machines, transfer machines – Part 1: Safety requirements (ISO 16090-1:2022; EN ISO 16090-1:2022)

- **treba biti**

HRN EN ISO 16090-1:2023

Sigurnost alatnih strojeva – Obradni centri, glodalice, strojevi za prijenos – 1. dio: Sigurnosni zahtjevi (ISO 16090-1:2022, **ispravljena verzija 2023-10**; EN ISO 16090-1:2022)
Machine tools safety – Machining centres, milling machines, transfer machines – Part 1: Safety requirements (ISO 16090-1:2022, **Corrected version 2023-10**; EN ISO 16090-1:2022)

HZN/TO E55, *Žice za namote*

- **umjesto**

HRN EN 60317-23:2014

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

- **treba biti**

HRN EN 60317-23:2014

Specifikacije pojedinih vrsta žica za namote – 23. dio: Lemljiva okrugla bakrena žica **lakirana poliesterimidom**, razreda 180 (IEC 60317-23:2013; EN 60317-23:2014)
Specifications for particular types of winding wires – Part 23: Solderable polyesterimide enamelled round copper wire, class 180 (IEC 60317-23:2013; EN 60317-23:2014)

- **umjesto**

HRN EN 60317-23:2014/A1:2019

Specifikacije pojedinih vrsta žica za namote – 23. dio: **Poliesterimidom lakirana** lemljiva okrugla bakrena žica, razreda 180 (IEC 60317-23:2013/am1:2019; EN 60317-23:2014/A1:2019)
Specifications for particular types of winding wires – Part 23: Solderable polyesterimide enamelled round copper wire, class 180 (IEC 60317-23:2013/am1:2019; EN 60317-23:2014/A1:2019)

- **treba biti**

HRN EN 60317-23:2014/A1:2019

Specifikacije pojedinih vrsta žica za namote – 23. dio: Lemljiva okrugla bakrena žica **lakirana poliesterimidom**, razreda 180 (IEC 60317-23:2013/am1:2019; EN 60317-23:2014/A1:2019)
Specifications for particular types of winding wires – Part 23: Solderable polyesterimide enamelled round copper wire, class 180 (IEC 60317-23:2013/am1:2019; EN 60317-23:2014/A1:2019)

- **umjesto**

HRN EN IEC 60317-25:2020

Specifikacije pojedinih vrsta žica za namote – 25. dio: Okrugla aluminijska žica **lakirana poliesterom ili poliesterimidom, završno lakirana poliamid-imidom**, razreda 200 (IEC 60317-25:2020; EN IEC 60317-25:2020)
Specifications for particular types of winding wires – Part 25: Polyester or polyesterimide overcoated with polyamide-imide enamelled round aluminium wire, class 200 (IEC 60317-25:2020; EN IEC 60317-25:2020)

- **treba biti**

HRN EN IEC 60317-25:2020

Specifikacije pojedinih vrsta žica za namote – 25. dio: **Poliester ili poliesterimidom lakirana** okrugla aluminijska žica, **prekrivena poliamid-imidom**, razreda 200 (IEC 60317-25:2020; EN IEC 60317-25:2020)
Specifications for particular types of winding wires – Part 25: Polyester or polyesterimide overcoated with polyamide-imide enamelled round aluminium wire, class 200 (IEC 60317-25:2020; EN IEC 60317-25:2020)

- **umjesto**

HRN EN 60317-28:2014

Specifikacije pojedinih vrsta žica za namote – 28. dio: **Poliesterimidom lakirana** profilna bakrena žica, razreda 180 (IEC 60317-28:2013; EN 60317-28:2014)
Specifications for particular types of winding wires – Part 28: Polyesterimide enamelled rectangular copper wire, class 180 (IEC 60317-28:2013; EN 60317-28:2014)

- **treba biti**

HRN EN 60317-28:2014

Specifikacije pojedinih vrsta žica za namote – 28. dio: Profilna bakrena žica **lakirana poliesterimidom**, razreda 180 (IEC 60317-28:2013; EN 60317-28:2014)
Specifications for particular types of winding wires – Part 28: Polyesterimide enamelled rectangular copper wire, class 180 (IEC 60317-28:2013; EN 60317-28:2014)

- **umjesto**

HRN EN 60317-29:2001

Specifikacije pojedinih vrsta žica za namote – 29. dio: Poliester ili poliesterimidom lakirana profilna bakrena žica, prekrivena **poliamid imidom**, razreda 200 (IEC 60317-29:1990+A1:1997; EN 60317-29:1996+A1:1998)
Specifications for particular types of winding wires – Part 29: Polyester or polyesterimide overcoated with polyamide-imide enamelled rectangular copper wire, class 200 (IEC 60317-29:1990+A1:1997; EN 60317-29:1996+A1:1998)

- **treba biti**

HRN EN 60317-29:2001

Specifikacije pojedinih vrsta žica za namote – 29. dio: Poliester ili poliesterimidom lakirana profilna bakrena žica, prekrivena **poliamid-imidom**, razreda 200 (IEC 60317-29:1990+A1:1997; EN 60317-29:1996+A1:1998)
Specifications for particular types of winding wires – Part 29: Polyester or polyesterimide overcoated with polyamide-imide enamelled rectangular copper wire, class 200 (IEC 60317-29:1990+A1:1997; EN 60317-29:1996+A1:1998)

- **umjesto**

HRN EN 60317-29:2001/A2:2013

Specifikacije pojedinih vrsta žica za namote – 29. dio: Poliester ili poliesterimidom lakirana profilna bakrena žica, prekrivena **poliamid imidom**, razreda 200 (IEC 60317-29:1990/am2:2010; EN 60317-29:1996/A2:2010)
Specifications for particular types of winding wires – Part 29: Polyester or polyesterimide overcoated with polyamide-imide enamelled rectangular copper wire, class 200 (IEC 60317-29:1990/am2:2010; EN 60317-29:1996/A2:2010)

- **treba biti**

HRN EN 60317-29:2001/A2:2013

Specifikacije pojedinih vrsta žica za namote – 29. dio: Poliester ili poliesterimidom lakirana profilna bakrena žica, prekrivena **poliamid-imidom**, razreda 200 (IEC 60317-29:1990/am2:2010; EN 60317-29:1996/A2:2010)
Specifications for particular types of winding wires – Part 29: Polyester or polyesterimide overcoated with polyamide-imide enamelled rectangular copper wire, class 200 (IEC 60317-29:1990/am2:2010; EN 60317-29:1996/A2:2010)

- **umjesto**

HRN EN 60317-31:2016

Specifikacije pojedinih vrsta žica za namote – 31. dio: Nelakirana ili lakirana profilna bakrena žica, omotana staklenim vlaknima i **impregnirana** smolom ili lakom, indeksa temperature 180 (IEC 60317-31:2015; EN 60317-31:2016)
Specifications for particular types of winding wires – Part 31: Glass-fibre wound, resin or varnish impregnated, bare or enamelled rectangular copper wire, temperature index 180 (IEC 60317-31:2015; EN 60317-31:2016)

- **treba biti**

HRN EN 60317-31:2016

Specifikacije pojedinih vrsta žica za namote – 31. dio: Nelakirana ili lakirana profilna bakrena žica, omotana staklenim vlaknima **impregniranima** smolom ili lakom, indeksa temperature 180 (IEC 60317-31:2015; EN 60317-31:2016)
Specifications for particular types of winding wires – Part 31: Glass-fibre wound, resin or varnish impregnated, bare or enamelled rectangular copper wire, temperature index 180 (IEC 60317-31:2015; EN 60317-31:2016)

- **umjesto**

HRN EN 60317-32:2016

Specifikacije pojedinih vrsta žica za namote – 32. dio: Nelakirana ili lakirana profilna bakrena žica, omotana staklenim vlaknima i **impregnirana** smolom ili lakom, indeksa temperature 155 (IEC 60317-32:2015; EN 60317-32:2016)
Specifications for particular types of winding wires – Part 32: Glass-fibre wound, resin or varnish impregnated, bare or enamelled rectangular copper wire, temperature index 155 (IEC 60317-32:2015; EN 60317-32:2016)

- **treba biti**

HRN EN 60317-32:2016

Specifikacije pojedinih vrsta žica za namote – 32. dio: Nelakirana ili lakirana profilna bakrena žica, omotana staklenim vlaknima **impregniranima** smolom ili lakom, indeksa temperature 155 (IEC 60317-32:2015; EN 60317-32:2016)
Specifications for particular types of winding wires – Part 32: Glass-fibre wound, resin or varnish impregnated, bare or enamelled rectangular copper wire, temperature index 155 (IEC 60317-32:2015; EN 60317-32:2016)

- **umjesto**

HRN EN 60317-33:2016

Specifikacije pojedinih vrsta žica za namote – 33. dio: Nelakirana ili lakirana profilna bakrena žica, omotana staklenim vlaknima i **impregnirana** smolom ili lakom, indeksa temperature 200 (IEC 60317-33:2015; EN 60317-33:2016)
Specifications for particular types of winding wires – Part 33: Glass-fibre wound resin or varnish impregnated, bare or enamelled rectangular copper wire, temperature index 200 (IEC 60317-33:2015; EN 60317-33:2016)

- **treba biti**

HRN EN 60317-33:2016

Specifikacije pojedinih vrsta žica za namote – 33. dio: Nelakirana ili lakirana profilna bakrena žica, omotana staklenim vlaknima **impregniranima** smolom ili lakom, indeksa temperature 200 (IEC 60317-33:2015; EN 60317-33:2016)
Specifications for particular types of winding wires – Part 33: Glass-fibre wound resin or varnish impregnated, bare or enamelled rectangular copper wire, temperature index 200 (IEC 60317-33:2015; EN 60317-33:2016)

- **umjesto**

HRN EN 60317-35:2014

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

• **treba biti**
HRN EN 60317-35:2014
Specifikacije pojedinih vrsta žica za namote – 35. dio: Lemljiva okrugla bakrena žica **lakirana poliuretanom**, razreda 155, s vezivnim slojem (IEC 60317-35:2013; EN 60317-35:2014)
Specifications for particular types of winding wires – Part 35: Solderable polyurethane enamelled round copper wire, class 155, with a bonding layer (IEC 60317-35:2013; EN 60317-35:2014)

• **umjesto**
HRN EN 60317-35:2014/A1:2019
Specifikacije pojedinih vrsta žica za namote – 35. dio: **Poliuretanom lakirana** lemljiva okrugla bakrena žica, razreda 155, s vezivnim slojem (IEC 60317-35:2013/am1:2019; EN 60317-35:2014/A1:2019)
Specifications for particular types of winding wires – Part 35: Solderable polyurethane enamelled round copper wire, class 155, with a bonding layer (IEC 60317-35:2013/am1:2019; EN 60317-35:2014/A1:2019)

• **treba biti**
HRN EN 60317-35:2014/A1:2019
Specifikacije pojedinih vrsta žica za namote – 35. dio: Lemljiva okrugla bakrena žica **lakirana poliuretanom**, razreda 155, s vezivnim slojem (IEC 60317-35:2013/am1:2019; EN 60317-35:2014/A1:2019)
Specifications for particular types of winding wires – Part 35: Solderable polyurethane enamelled round copper wire, class 155, with a bonding layer (IEC 60317-35:2013/am1:2019; EN 60317-35:2014/A1:2019)

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

• **treba biti**
HRN EN 60317-36:2014
Specifikacije pojedinih vrsta žica za namote – 36. dio: Lemljiva okrugla bakrena žica **lakirana poliesterimidom**, razreda 180, s vezivnim slojem (IEC 60317-36:2013; EN 60317-36:2014)
Specifications for particular types of winding wires – Part 36: Solderable polyesterimide enamelled round copper wire, class 180, with a bonding layer (IEC 60317-36:2013; EN 60317-36:2014)

• **umjesto**
HRN EN 60317-36:2014/A1:2019
Specifikacije pojedinih vrsta žica za namote – 36. dio: **Poliesterimidom lakirana** lemljiva okrugla bakrena žica, razreda 180, s vezivnim slojem (IEC 60317-36:2013/am1:2019; EN 60317-36:2014/A1:2019)
Specifications for particular types of winding wires – Part 36: Solderable polyesterimide enamelled round copper wire, class 180, with a bonding layer (IEC 60317-36:2013/am1:2019; EN 60317-36:2014/A1:2019)

• **treba biti**
HRN EN 60317-36:2014/A1:2019
Specifikacije pojedinih vrsta žica za namote – 36. dio: Lemljiva okrugla bakrena žica **lakirana poliesterimidom**, razreda 180, s vezivnim slojem (IEC 60317-36:2013/am1:2019; EN 60317-36:2014/A1:2019)
Specifications for particular types of winding wires – Part 36: Solderable polyesterimide enamelled round copper wire, class 180, with a bonding layer (IEC 60317-36:2013/am1:2019; EN 60317-36:2014/A1:2019)

• **umjesto**
HRN EN 60317-37:2014
Specifikacije pojedinih vrsta žica za namote – 37. dio: **Poliesterimidom lakirana** lemljiva okrugla bakrena žica, razreda 180, s vezivnim slojem (IEC 60317-37:2013; EN 60317-37:2014)
Specifications for particular types of winding wires – Part 37: Polyesterimide enamelled round copper wire, class 180, with a bonding layer (IEC 60317-37:2013; EN 60317-37:2014)

• **treba biti**
HRN EN 60317-37:2014
Specifikacije pojedinih vrsta žica za namote – 37. dio: Okrugla bakrena žica **lakirana poliesterimidom**, razreda 180, s vezivnim slojem (IEC 60317-37:2013; EN 60317-37:2014)
Specifications for particular types of winding wires – Part 37: Polyesterimide enamelled round copper wire, class 180, with a bonding layer (IEC 60317-37:2013; EN 60317-37:2014)

• **umjesto**
HRN EN 60317-38:2014
Specifikacije pojedinih vrsta žica za namote – 38. dio: Poliester ili poliesterimidom lakirana okrugla bakrena žica, prekrivena **poliamid imidom**, razreda 200, s vezivnim slojem (IEC 60317-38:2013; EN 60317-38:2014)
Specifications for particular types of winding wires – Part 38: Polyester or polyesterimide overcoated with polyamide-imide enamelled round copper wire, class 200, with a bonding layer (IEC 60317-38:2013; EN 60317-38:2014)

• **treba biti**
HRN EN 60317-38:2014
Specifikacije pojedinih vrsta žica za namote – 38. dio: Poliester ili poliesterimidom lakirana okrugla bakrena žica, prekrivena **poliamid-imidom**, razreda 200, s vezivnim slojem (IEC 60317-38:2013; EN 60317-38:2014)
Specifications for particular types of winding wires – Part 38: Polyester or polyesterimide overcoated with polyamide-imide enamelled round copper wire, class 200, with a bonding layer (IEC 60317-38:2013; EN 60317-38:2014)

• **umjesto**
HRN EN 60317-46:2014
Specifikacije pojedinih vrsta žica za namote – 46. dio: **Aromatskim poliimidom lakirana** okrugla bakrena žica, razreda 240 (IEC 60317-46:2013; EN 60317-46:2014)
Specifications for particular types of winding wires – Part 46: Aromatic polyimide enamelled round copper wire, class 240 (IEC 60317-46:2013; EN 60317-46:2014)

• **treba biti**
HRN EN 60317-46:2014
Specifikacije pojedinih vrsta žica za namote – 46. dio: Okrugla bakrena žica **lakirana aromatskim poliimidom**, razreda 240 (IEC 60317-46:2013; EN 60317-46:2014)
Specifications for particular types of winding wires – Part 46: Aromatic polyimide enamelled round copper wire, class 240 (IEC 60317-46:2013; EN 60317-46:2014)

• **umjesto**
HRN EN 60317-47:2014
Specifikacije pojedinih vrsta žica za namote – 47. dio: **Aromatskim poliimidom lakirana** profilna bakrena žica, razreda 240 (IEC 60317-47:2013; EN 60317-47:2014)
Specifications for particular types of winding wires – Part 47: Aromatic polyimide enamelled rectangular copper wire, class 240 (IEC 60317-47:2013; EN 60317-47:2014)

• **treba biti**
HRN EN 60317-47:2014
Specifikacije pojedinih vrsta žica za namote – 47. dio: Profilna bakrena žica **lakirana aromatskim poliimidom**, razreda 240 (IEC 60317-47:2013; EN 60317-47:2014)
Specifications for particular types of winding wires – Part 47: Aromatic polyimide enamelled rectangular copper wire, class 240 (IEC 60317-47:2013; EN 60317-47:2014)

1.10 Prijevodi hrvatskih normativnih dokumenata

HZN/TO 554, *Obrada otpadnih voda*

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

HRN EN 1433:2005 hr-en pr-pp
Odvodni kanali za prometne i pješačke površine – Razredba, projektiranje i ispitni zahtjevi, označivanje i vrednovanje sukladnosti (EN 1433:2002+AC:2004)
Drainage channels for vehicular and pedestrian areas – Classification, design and testing requirements, marking and evaluation of conformity (EN 1433:2002+AC:2004)

HRN EN 1433:2005/A1:2008 hr-en pr-pp
Odvodni kanali za prometne i pješačke površine – Razredba, projektiranje i ispitni zahtjevi, označivanje i vrednovanje sukladnosti (EN 1433:2002/A1:2005)
Drainage channels for vehicular and pedestrian areas – Classification, design and testing requirements, marking and evaluation of conformity (EN 1433:2002/A1:2005)

2 Rezultati međunarodne i europske normizacije

Europska normizacija (CEN)

Oznaka norme	Naslov norme	ICS	Datum objave
EN 1176-10	Playground equipment and surfacing – Part 10: Additional specific safety requirements and test methods for fully enclosed play equipment	97.200.40	2023-09
EN 1300	Secure storage units – Classification for high security locks according to their resistance to unauthorized opening	13.310	2023-09
CEN/TR 1317-10	Road restraint system – Part 10: Assessment methods and design guidelines for transitions and terminal and crashcushion connection – Transitions	13.200; 93.080.30	2023-09
EN 2302	Aerospace series – Heat-resisting nickel base alloy NiCr20Co3Fe3 – $R_m \geq 650$ MPa – Sheets and strips, cold rolled – $0,25 \text{ mm} < a \leq 3 \text{ mm}$	49.025.15	2023-09
EN 2591-508	Aerospace series – Elements of electrical and optical connection – Test methods – Part 508: Measurement of thickness of coating on contacts	49.060; 49.090	2023-09
EN 2591-509	Aerospace series – Elements of electrical and optical connection – Test methods – Part 509: Adhesion of coating on contacts	49.060; 49.090	2023-09
EN 2876	Aerospace series – Nuts, hexagon, plain, reduced height, normal across flats, in aluminium alloy, anodized – Classification: 450 MPa (at ambient temperature)/120 °C	49.030.30	2023-09
EN 3628	Aerospace series – Lockwire, drawn – Corrosion resisting steel	49.025.10	2023-09
EN 12259-12	Fixed firefighting systems – Components for sprinkler and water spray systems – Part 12: Pumps	13.220.20	2023-09
EN 12697-47	Bituminous mixtures – Test methods – Part 47: Determination of the ash content of natural asphalts	93.080.20	2023-09
EN 13726	Test methods for wound dressings – Aspects of absorption, moisture vapour transmission, waterproofness and extensibility	11.120.20	2023-09
EN 13757-8	Communication systems for meters – Part 8: Adaptation layer	33.200; 35.100.01	2023-09
EN 14389	Road traffic noise reducing devices – Procedures for assessing long term performance	93.080.30	2023-09
EN 15502-2-3	Gas-fired central heating boilers – Part 2-3: Specific standard for hybrid units combining a gas-fired boiler and an electrical heat pump in a product	27.060.30; 91.140.10	2023-09
EN 15713	Secure destruction of confidential and sensitive material – Code of practice	13.310	2023-09
EN 16232+A2	Child use and care articles – Infant swings	97.190	2023-09
EN 16454	Intelligent transport systems – ESafety – ECall end to end conformance testing	35.240.60	2023-09
EN 16484	Leather – Requirements for the determination of the origin of leather production	59.140.30	2023-09
EN 16603-20-08	Space engineering – Photovoltaic assemblies and components	49.140	2023-09
EN 17837	Postal Services – Parcel Delivery Environmental Footprint – Methodology for calculation and declaration of GHG emissions and air pollutants of parcel logistics delivery services	03.240; 13.020.60	2023-09
EN 17840	Performance and condition assessment for buildings and civil engineering works – Framework for assessment within physical asset management	91.010.99	2023-09
CEN/TS 17959	Safety of amusement rides and devices: Manufacturing Quality Recommendations for Machinery Components	97.200.99	2023-09
CEN/TR 17982	European Digital Identity Wallets standards Gap Analysis	35.030; 35.240.15	2023-09
CWA 18038	Methodology for managing maintenance strategy and remanufacturing projects of large industrial equipment	03.100.40; 13.030.50; 25.040.01	2023-09
EN 50341-2-7	Overhead electrical lines exceeding AC 1 kV – Part 2-7: National Normative Aspects (NNA) for FINLAND (based on EN 50341-1:2012)	29.240.20	2023-09

Oznaka norme	Naslov norme	ICS	Datum objave
CLC/TS 50600-5-1	Information technology – Data centre facilities and infrastructures – Part 5-1: Maturity Model for Energy Management and Environmental Sustainability	13.020.20; 35.020; 35.110; 35.160	2023-09
EN 50724	Fixed Ultrasonic Gas Leak Detectors (UGLD) – General requirements and test methods	13.320	2023-09
EN IEC 60068-2-14	Environmental testing – Part 2-14: Tests – Test N: Change of temperature (IEC 60068-2-14:2023)	19.040	2023-09
EN IEC 60068-2-17	Environmental testing – Part 2-17: Tests – Test Q: Sealing (IEC 60068-2-17:2023)	19.040	2023-09
EN IEC 60068-3-1	Environmental testing – Part 3-1: Supporting documentation and guidance – Cold and dry heat tests (IEC 60068-3-1:2023)	19.040	2023-09
EN IEC 60068-3-4	Environmental testing – Part 3-4: Supporting documentation and guidance – Damp heat tests (IEC 60068-3-4:2023)	19.040; 29.020	2023-09
EN IEC 60317-89	Specifications for particular types of winding wires – Part 89: Polyesterimide enamelled round aluminum wire, class 200 (IEC 60317-89:2023)	29.060.10	2023-09
EN IEC 60317-93	Specifications for particular types of winding wires – Part 93: Polyester or polyesterimide overcoated with polyamide-imide enamelled rectangular copper wire, class 220 (IEC 60317-93:2023)	29.060.10	2023-09
EN IEC 60383-1	Insulators for overhead lines with a nominal voltage above 1000 V – Part 1: Ceramic or glass insulator units for a.c. systems – Definitions, test methods and acceptance criteria (IEC 60383-1:2023)	29.080.10; 29.240.20	2023-09
EN IEC 60393-3	Potentiometers for use in electronic equipment – Part 3: Sectional specification: Rotary precision potentiometers (IEC 60393-3:2023)	31.040.20	2023-09
EN IEC 60455-2	Resin based reactive compounds used for electrical insulation – Part 2: Methods of test (IEC 60455-2:2023)	17.220.99; 29.035.01; 29.035.20	2023-09
EN IEC 60626-1	Combined flexible materials for electrical insulation – Part 1: Definitions and general requirements (IEC 60626-1:2023)	29.035.01	2023-09
EN 60670-23/A1	Boxes and enclosures for electrical accessories for household and similar fixed electrical installations – Part 23: Particular requirements for floor boxes and enclosures (IEC 60670-23:2006/A1:2016)	29.120.10	2023-09
EN 60670-23/A11	Boxes and enclosures for electrical accessories for household and similar fixed electrical installations – Part 23: Particular requirements for floor boxes and enclosures	29.120.10	2023-09
EN IEC 60674-3-3	Plastic films for electrical purposes – Part 3: Specifications for individual materials – Sheet 3: Polycarbonate (PC) films used for electrical insulation (IEC 60674-3-3:2023)	29.035.20	2023-09
EN IEC 60674-3-7	Plastic films for electrical purposes – Part 3: Specifications for individual materials – Sheet 7: Fluoroethylene-propylene (FEP) films used for electrical insulation (IEC 60674-3-7:2023)	29.035.20	2023-09
EN IEC 60793-1-44	Optical fibres – Part 1-44: Measurement methods and test procedures – Cut-off wavelength (IEC 60793-1-44:2023)	33.180.10	2023-09
EN IEC 60851-3	Winding wires – Test methods – Part 3: Mechanical properties (IEC 60851-3:2023)	29.060.10	2023-09
EN 60870-5-104/A1/AC	Telecontrol equipment and systems – Part 5-104: Transmission protocols – Network access for IEC 60870-5-101 using standard transport profiles (IEC 60870-5-104:2006/A1:2016/COR1:2023)	33.200	2023-09
EN 60939-2/A1	Passive filter units for electromagnetic interference suppression – Part 2: Sectional specification – Passive filter units for which safety tests are appropriate – Test methods and general requirements (IEC 60939-2:2005/AMD1:2023)	31.160	2023-09
EN IEC 61076-3-106	Connectors for electrical and electronic equipment – Product requirements – Part 3-106: Rectangular connectors – Detail specification for protective housings for use with 8-way shielded and unshielded connectors for industrial environments incorporating the IEC 60603-7 series interface (IEC 61076-3-106:2023)	31.220.10	2023-09
EN IEC 61189-2-801	Test methods for electrical materials, printed boards and other interconnection structures and assemblies – Part 2-801: Thermal conductivity test for base materials (IEC 61189-2-801:2023)	31.180	2023-09

Oznaka norme	Naslov norme	ICS	Datum objave
EN IEC 61189-2-803	Test methods for electrical materials, printed boards and other interconnection structures and assemblies – Part 2-803: Test methods for Z-axis expansion of base materials and printed boards (IEC 61189-2-803:2023)	31.180	2023-09
EN IEC 61300-2-26	Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 2-26: Tests – Salt mist (IEC 61300-2-26:2023)	33.180.20	2023-09
EN IEC 61300-2-38	Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 2-38: Tests – Sealing for fibre optic sealed closures and hardened connectors using air pressure (IEC 61300-2-38:2023)	33.180.20	2023-09
EN IEC 61439-5	Low-voltage switchgear and controlgear assemblies – Part 5: Assemblies for power distribution in public networks (IEC 61439-5:2023)	29.130.20	2023-09
EN IEC 61439-7	Low-voltage switchgear and controlgear assemblies – Part 7: Assemblies for specific applications such as marinas, camping sites, market squares, electric vehicle charging stations (IEC 61439-7:2022)	29.130.20	2023-09
EN IEC 61757-1-2	Fibre optic sensors – Part 1-2: Strain measurement – Distributed sensing based on Brillouin scattering (IEC 61757-1-2:2023)	33.180.99	2023-09
EN IEC 62044-3	Cores made of soft magnetic materials – Measuring methods – Part 3: Magnetic properties at high excitation level (IEC 62044-3:2023)	17.220.20; 29.030; 29.100.10	2023-09
EN IEC 62149-3	Fibre optic active components and devices – Performance standards – Part 3: Modulator-integrated laser diode transmitters for 40-Gbit/s fibre optic transmission systems (IEC 62149-3:2023)	33.180.20; 33.180.30	2023-09
EN IEC 62208	Empty enclosures for low-voltage switchgear and controlgear assemblies – General requirements (IEC 62208:2023)	29.130.20	2023-09
EN IEC 62220-2-1	Medical electrical equipment – Characteristics of digital X-ray imaging devices – Part 2-1: Determination of dual-energy subtraction efficiency – Detectors used for dual-energy radiographic imaging (IEC 62220-2-1:2023)	11.040.50	2023-09
EN IEC 62271-202/AC	High-voltage switchgear and controlgear – Part 202: AC prefabricated substations for rated voltages above 1 kV and up to and including 52 kV (IEC 62271-202:2022/COR1:2023)	29.130.10	2023-09
EN IEC 62561-3	Lightning protection system components (LPSC) – Part 3: Requirements for isolating spark gaps (ISGs) (IEC 62561-3:2023)	91.120.40	2023-09
EN IEC 62885-4/A1	Surface cleaning appliances – Part 4: Cordless dry vacuum cleaners for household or similar use – Methods for measuring the performance (IEC 62885-4:2020/AMD1:2023)	97.080	2023-09
EN IEC 63086-1/A1	Household and similar electrical air cleaning appliances – Methods for measuring the performance – Part 1: General requirements (IEC 63086-1:2020/AMD1:2023)	23.120; 91.140.30	2023-09
CLC IEC/FprTR 63161	Assignment of safety integrity requirements – Basic rationale (IEC/TR 63161:2022)	13.110	2023-09
EN IEC 63281-1	E-Transporters – Part 1: Terminology and classification (IEC 63281-1:2023)	01.040.43; 43.120	2023-09
EN IEC 63376	Industrial facility energy management system (FEMS) – Functions and information flows (IEC 63376:2023)	03.100.70; 29.240.01	2023-09
EN ISO 1172	Textile-glass-reinforced plastics – Prepregs, moulding compounds and laminates – Determination of the textile-glass and mineral-filler content using calcination methods (ISO 1172:2023)	83.120	2023-09
EN ISO/IEC 2382-37	Information technology – Vocabulary – Part 37: Biometrics (ISO/IEC 2382-37:2022)	01.040.35; 35.020	2023-09
EN ISO 2614	Analysis of natural gas – Biomethane – Determination of terpenes' content by micro gas chromatography (ISO 2614:2023)	75.060	2023-09
EN ISO 2740	Sintered metal materials, excluding hardmetals – Tensile test pieces (ISO 2740:2023)	77.040.10; 77.160	2023-09
EN ISO 4033	Fasteners – Hexagon high nuts (style 2) (ISO 4033:2023)	21.060.20	2023-09
EN ISO 4035	Fasteners – Hexagon thin nuts (style 0) (ISO 4035:2023)	21.060.20	2023-09

Oznaka norme	Naslov norme	ICS	Datum objave
EN ISO 5157	Textiles – Environmental aspects – Vocabulary (ISO 5157:2023)	01.040.13; 01.040.59; 13.020.01; 59.020	2023-09
EN ISO 5211	Industrial valves – Part-turn actuator attachments (ISO 5211:2023)	23.060.01	2023-09
EN ISO 5978	Rubber- or plastics-coated fabrics – Determination of blocking resistance (ISO 5978:2023)	59.080.40	2023-09
EN ISO 6888-1/A1	Microbiology of the food chain – Horizontal method for the enumeration of coagulase-positive staphylococci (<i>Staphylococcus aureus</i> and other species) – Part 1: Method using Baird-Parker agar medium – Amendment 1 (ISO 6888-1:2021/Amd 1:2023)	07.100.30	2023-09
EN ISO 6888-2/A1	Microbiology of the food chain – Horizontal method for the enumeration of coagulase-positive staphylococci (<i>Staphylococcus aureus</i> and other species) – Part 2: Method using rabbit plasma fibrinogen agar medium – Amendment 1 (ISO 6888-2:2021/Amd 1:2023)	07.100.30	2023-09
EN ISO 8673	Fasteners – Hexagon regular nuts (style 1), with fine pitch thread (ISO 8673:2023)	21.060.20	2023-09
EN ISO 8674	Fasteners – Hexagon high nuts (style 2), with fine pitch thread (ISO 8674:2023)	21.060.20	2023-09
EN ISO 8675	Fasteners – Hexagon thin nuts (style 0), with fine pitch thread (ISO 8675:2023)	21.060.20	2023-09
EN ISO 9519	Ships and marine technology – Single rungs and rungs for dog-step ladders (ISO 9519:2023)	47.020.50	2023-09
EN ISO 10991	Microfluidics – Vocabulary (ISO 10991:2023)	01.040.71; 71.040.10	2023-09
EN ISO 11114-1/A1	Gas cylinders – Compatibility of cylinder and valve materials with gas contents – Part 1: Metallic materials – Amendment 1 (ISO 11114-1:2020/Amd 1:2023)	23.020.35	2023-09
EN ISO 11243	Cycles – Luggage carriers for bicycles – Requirements and test methods (ISO 11243:2023)	43.150	2023-09
EN ISO 11623	Gas cylinders – Composite cylinders and tubes – Periodic inspection and testing (ISO 11623:2023)	23.020.35	2023-09
EN ISO 12156-1	Diesel fuel – Assessment of lubricity using the high-frequency reciprocating rig (HFRR) – Part 1: Test method (ISO 12156-1:2023)	75.160.20	2023-09
EN ISO 12460-3	Wood-based panels – Determination of formaldehyde release – Part 3: Gas analysis method (ISO 12460-3:2023)	79.060.01	2023-09
EN ISO 13927	Plastics – Simple heat release test using a conical radiant heater and a thermopile detector (ISO 13927:2023)	83.080.01	2023-09
EN ISO 13943	Fire safety – Vocabulary (ISO 13943:2023)	01.040.13; 13.220.01	2023-09
EN ISO 14920	Thermal spraying – Spraying and fusing of self-fluxing alloys (ISO 14920:2023)	25.220.20	2023-09
EN ISO 15535	General requirements for establishing anthropometric databases (ISO 15535:2023)	13.180	2023-09
EN ISO 17751-2	Textiles – Quantitative analysis of cashmere, wool, other specialty animal fibres and their blends – Part 2: Scanning electron microscopy method (ISO 17751-2:2023)	59.060.01	2023-09
EN ISO 18674-8	Geotechnical investigation and testing – Geotechnical monitoring by field instrumentation – Part 8: Measurement of loads: Load cells (ISO 18674-8:2023)	93.020	2023-09
EN ISO 19238	Radiological protection – Performance criteria for service laboratories performing biological dosimetry by cytogenetics – Dicentric assay (ISO 19238:2023)	13.280; 17.240	2023-09
EN ISO 19901-8	Oil and gas industries including lower carbon energy – Offshore structures – Part 8: Marine soil investigations (ISO 19901-8:2023)	75.180.10	2023-09
EN ISO 20685-2	Ergonomics – 3-D scanning methodologies for internationally compatible anthropometric databases – Part 2: Evaluation protocol of surface shape and repeatability of relative landmark positions (ISO 20685-2:2023)	13.180	2023-09

Oznaka norme	Naslov norme	ICS	Datum objave
EN ISO 24187	Principles for the analysis of microplastics present in the environment (ISO 24187:2023)	13.020.01; 83.080.01	2023-09
EN ISO 25119-1	Tractors and machinery for agriculture and forestry – Safety-related parts of control systems – Part 1: General principles for design and development (ISO 25119-1:2018)	35.240.99; 65.060.01	2023-09
EN ISO 25119-1/A1	Tractors and machinery for agriculture and forestry – Safety-related parts of control systems – Part 1: General principles for design and development – Amendment 1 (ISO 25119-1:2018/Amd 1:2020)	35.240.99; 65.060.01	2023-09
EN ISO 25119-2	Tractors and machinery for agriculture and forestry – Safety-related parts of control systems – Part 2: Concept phase (ISO 25119-2:2019)	35.240.99; 65.060.01	2023-09
EN ISO 25119-3	Tractors and machinery for agriculture and forestry – Safety-related parts of control systems – Part 3: Series development, hardware and software (ISO 25119-3:2018)	35.240.99; 65.060.01	2023-09
EN ISO 25119-3/A1	Tractors and machinery for agriculture and forestry – Safety-related parts of control systems – Part 3: Series development, hardware and software – Amendment 1 (ISO 25119-3:2018/Amd 1:2020)	35.240.99; 65.060.01	2023-09
EN ISO 25119-4	Tractors and machinery for agriculture and forestry – Safety-related parts of control systems – Part 4: Production, operation, modification and supporting processes (ISO 25119-4:2018)	35.240.99; 65.060.01	2023-09
EN ISO 25119-4/A1	Tractors and machinery for agriculture and forestry – Safety-related parts of control systems – Part 4: Production, operation, modification and supporting processes – Amendment 1 (ISO 25119-4:2018/Amd 1:2020)	35.240.99; 65.060.01	2023-09
HD 60364-4-43	Low-voltage electrical installations – Part 4-43: Protection for safety – Protection against overcurrent (IEC 60364-4-43:2023)	29.120.50; 91.140.50	2023-09
HD 60364-7-716	Low-voltage electrical installations – Part 7-716: Requirements for special installations or locations – ELV DC power distribution over information and communications technology (ICT) cable infrastructure (IEC 60364-7-716:2023)	29.020; 35.110; 91.140.50	2023-09

Europska normizacija (CENELEC)

Oznaka norme	Naslov norme	ICS	Datum objave
EN 16603-20-08	Space engineering – Photovoltaic assemblies and components	49.140	2023-09
EN 50341-2-7	Overhead electrical lines exceeding AC 1 kV – Part 2-7: National Normative Aspects (NNA) for FINLAND (based on EN 50341-1:2012)	29.240.20	2023-09
CLC/TS 50600-5-1	Information technology – Data centre facilities and infrastructures – Part 5-1: Maturity Model for Energy Management and Environmental Sustainability	13.020.20; 35.020; 35.110; 35.160	2023-09
EN 50724	Fixed Ultrasonic Gas Leak Detectors (UGLD) – General requirements and test methods	13.320	2023-09
EN IEC 60068-2-14	Environmental testing – Part 2-14: Tests – Test N: Change of temperature (IEC 60068-2-14:2023)	19.040	2023-09
EN IEC 60068-2-17	Environmental testing – Part 2-17: Tests – Test Q: Sealing (IEC 60068-2-17:2023)	19.040	2023-09
EN IEC 60068-3-1	Environmental testing – Part 3-1: Supporting documentation and guidance – Cold and dry heat tests (IEC 60068-3-1:2023)	19.040	2023-09
EN IEC 60068-3-4	Environmental testing – Part 3-4: Supporting documentation and guidance – Damp heat tests (IEC 60068-3-4:2023)	19.040; 29.020	2023-09
EN IEC 60317-89	Specifications for particular types of winding wires – Part 89: Polyesterimide enamelled round aluminum wire, class 200 (IEC 60317-89:2023)	29.060.10	2023-09
EN IEC 60317-93	Specifications for particular types of winding wires – Part 93: Polyester or polyesterimide overcoated with polyamide-imide enamelled rectangular copper wire, class 220 (IEC 60317-93:2023)	29.060.10	2023-09
EN IEC 60383-1	Insulators for overhead lines with a nominal voltage above 1000 V – Part 1: Ceramic or glass insulator units for a.c. systems – Definitions, test methods and acceptance criteria (IEC 60383-1:2023)	29.080.10; 29.240.20	2023-09
EN IEC 60393-3	Potentiometers for use in electronic equipment – Part 3: Sectional specification: Rotary precision potentiometers (IEC 60393-3:2023)	31.040.20	2023-09
EN IEC 60455-2	Resin based reactive compounds used for electrical insulation – Part 2: Methods of test (IEC 60455-2:2023)	17.220.99; 29.035.01; 29.035.20	2023-09
EN IEC 60626-1	Combined flexible materials for electrical insulation – Part 1: Definitions and general requirements (IEC 60626-1:2023)	29.035.01	2023-09
EN 60670-23/A1	Boxes and enclosures for electrical accessories for household and similar fixed electrical installations – Part 23: Particular requirements for floor boxes and enclosures (IEC 60670-23:2006/A1:2016)	29.120.10	2023-09
EN 60670-23/A11	Boxes and enclosures for electrical accessories for household and similar fixed electrical installations – Part 23: Particular requirements for floor boxes and enclosures	29.120.10	2023-09
EN IEC 60674-3-3	Plastic films for electrical purposes – Part 3: Specifications for individual materials – Sheet 3: Polycarbonate (PC) films used for electrical insulation (IEC 60674-3-3:2023)	29.035.20	2023-09
EN IEC 60674-3-7	Plastic films for electrical purposes – Part 3: Specifications for individual materials – Sheet 7: Fluoroethylene-propylene (FEP) films used for electrical insulation (IEC 60674-3-7:2023)	29.035.20	2023-09
EN IEC 60793-1-44	Optical fibres – Part 1-44: Measurement methods and test procedures – Cut-off wavelength (IEC 60793-1-44:2023)	33.180.10	2023-09
EN IEC 60851-3	Winding wires – Test methods – Part 3: Mechanical properties (IEC 60851-3:2023)	29.060.10	2023-09
EN 60870-5-104/A1/AC	Telecontrol equipment and systems – Part 5-104: Transmission protocols – Network access for IEC 60870-5-101 using standard transport profiles (IEC 60870-5-104:2006/A1:2016/COR1:2023)	33.200	2023-09
EN 60939-2/A1	Passive filter units for electromagnetic interference suppression – Part 2: Sectional specification – Passive filter units for which safety tests are appropriate – Test methods and general requirements (IEC 60939-2:2005/AMD1:2023)	31.160	2023-09

Oznaka norme	Naslov norme	ICS	Datum objave
EN IEC 61076-3-106	Connectors for electrical and electronic equipment – Product requirements – Part 3-106: Rectangular connectors – Detail specification for protective housings for use with 8-way shielded and unshielded connectors for industrial environments incorporating the IEC 60603-7 series interface (IEC 61076-3-106:2023)	31.220.10	2023-09
EN IEC 61189-2-801	Test methods for electrical materials, printed boards and other interconnection structures and assemblies – Part 2-801: Thermal conductivity test for base materials (IEC 61189-2-801:2023)	31.180	2023-09
EN IEC 61189-2-803	Test methods for electrical materials, printed boards and other interconnection structures and assemblies – Part 2-803: Test methods for Z-axis expansion of base materials and printed boards (IEC 61189-2-803:2023)	31.180	2023-09
EN IEC 61300-2-26	Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 2-26: Tests – Salt mist (IEC 61300-2-26:2023)	33.180.20	2023-09
EN IEC 61300-2-38	Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 2-38: Tests – Sealing for fibre optic sealed closures and hardened connectors using air pressure (IEC 61300-2-38:2023)	33.180.20	2023-09
EN IEC 61439-5	Low-voltage switchgear and controlgear assemblies – Part 5: Assemblies for power distribution in public networks (IEC 61439-5:2023)	29.130.20	2023-09
EN IEC 61439-7	Low-voltage switchgear and controlgear assemblies – Part 7: Assemblies for specific applications such as marinas, camping sites, market squares, electric vehicle charging stations (IEC 61439-7:2022)	29.130.20	2023-09
EN IEC 61757-1-2	Fibre optic sensors – Part 1-2: Strain measurement – Distributed sensing based on Brillouin scattering (IEC 61757-1-2:2023)	33.180.99	2023-09
EN IEC 62044-3	Cores made of soft magnetic materials – Measuring methods – Part 3: Magnetic properties at high excitation level (IEC 62044-3:2023)	17.220.20; 29.030; 29.100.10	2023-09
EN IEC 62149-3	Fibre optic active components and devices – Performance standards – Part 3: Modulator-integrated laser diode transmitters for 40-Gbit/s fibre optic transmission systems (IEC 62149-3:2023)	33.180.20; 33.180.30	2023-09
EN IEC 62208	Empty enclosures for low-voltage switchgear and controlgear assemblies – General requirements (IEC 62208:2023)	29.130.20	2023-09
EN IEC 62220-2-1	Medical electrical equipment – Characteristics of digital X-ray imaging devices – Part 2-1: Determination of dual-energy subtraction efficiency – Detectors used for dual-energy radiographic imaging (IEC 62220-2-1:2023)	11.040.50	2023-09
EN IEC 62271-202/AC	High-voltage switchgear and controlgear – Part 202: AC prefabricated substations for rated voltages above 1 kV and up to and including 52 kV (IEC 62271-202:2022/COR1:2023)	29.130.10	2023-09
EN IEC 62561-3	Lightning protection system components (LPSC) – Part 3: Requirements for isolating spark gaps (ISGs) (IEC 62561-3:2023)	91.120.40	2023-09
EN IEC 62885-4/A1	Surface cleaning appliances – Part 4: Cordless dry vacuum cleaners for household or similar use – Methods for measuring the performance (IEC 62885-4:2020/AMD1:2023)	97.080	2023-09
EN IEC 63086-1/A1	Household and similar electrical air cleaning appliances – Methods for measuring the performance – Part 1: General requirements (IEC 63086-1:2020/AMD1:2023)	23.120; 91.140.30	2023-09
EN IEC 63281-1	E-Transporters – Part 1: Terminology and classification (IEC 63281-1:2023)	01.040.43; 43.120	2023-09
EN IEC 63376	Industrial facility energy management system (FEMS) – Functions and information flows (IEC 63376:2023)	03.100.70; 29.240.01	2023-09
HD 60364-4-43	Low-voltage electrical installations – Part 4-43: Protection for safety – Protection against overcurrent (IEC 60364-4-43:2023)	29.120.50; 91.140.50	2023-09
HD 60364-7-716	Low-voltage electrical installations – Part 7-716: Requirements for special installations or locations – ELV DC power distribution over information and communications technology (ICT) cable infrastructure (IEC 60364-7-716:2023)	29.020; 35.110; 91.140.50	2023-09

Europska normizacija (ETSI)

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 102221 V 18.1.0	Smart Cards – UICC-Terminal interface – Physical and logical characteristics (Release 18)	35.240.15	2023-09
ETSI TS 102241 V 17.5.1	Smart Cards – UICC Application Programming Interface (UICC API) for Java Card (TM) (Release 17)	35.240.15	2023-09
ETSI TS 102796 V 1.7.1	Hybrid Broadcast Broadband TV	33.170	2023-09
ETSI TR 103119 V 1.4.1	Methods for Testing and Specification (MTS) – The Test Description Language (TDL) – Reference Implementation	33.020; 35.080	2023-09
ETSI TR 103195-1 V 1.1.1	Core Network and Interoperability Testing (INT/ WG AFI) Generic Autonomic Network Architecture – Part 1: Business drivers for autonomic networking	35.240.60	2023-09
ETSI TS 103285 V 1.4.1	Digital Video Broadcasting (DVB) – MPEG-DASH Profile for Transport of ISO BMFF Based DVB Services over IP Based Networks	33.170	2023-09
ETSI TS 103776 V 1.1.1	Digital Enhanced Cordless Telecommunications (DECT) – DECT-2020 New Radio (NR) – Test specification: radio	33.070.30	2023-09
ETSI TR 103781 V 1.1.1	SmartM2M – Study for SAREF ontology patterns and usage guidelines	33.200	2023-09
ETSI TR 103827 V 1.1.1	SmartM2M – SAREF: Digital Twins opportunities for the Ontology Context	33.200	2023-09
ETSI TR 103839 V 1.1.1	SmartM2M – Scenarios for evaluation of oneM2M deployments	33.200	2023-09
ETSI TS 118111 V 4.1.1	oneM2M – Common Terminology (oneM2M TS-0011 version 4.1.1 Release 4)	33.200	2023-09
ETSI TS 123247 V 17.8.0	5G – Architectural enhancements for 5G multicast-broadcast services (3GPP TS 23.247 version 17.8.0 Release 17)	33.070.50	2023-09
ETSI TS 123304 V 17.8.0	5G – Proximity based Services (ProSe) in the 5G System (5GS) (3GPP TS 23.304 version 17.8.0 Release 17)	33.070.50	2023-09
ETSI TS 123316 V 16.9.0	5G – Wireless and wireline convergence access support for the 5G System (5GS) (3GPP TS 23.316 version 16.9.0 Release 16)	33.070.50	2023-09
ETSI TS 123316 V 17.5.0	5G – Wireless and wireline convergence access support for the 5G System (5GS) (3GPP TS 23.316 version 17.5.0 Release 17)	33.070.50	2023-09
ETSI TS 123379 V 17.10.0	LTE – Functional architecture and information flows to support Mission Critical Push To Talk (MCPTT) – Stage 2 (3GPP TS 23.379 version 17.10.0 Release 17)	33.070.99	2023-09
ETSI TS 123401 V 17.9.0	LTE – General Packet Radio Service (GPRS) enhancements for Evolved Universal Terrestrial Radio Access Network (E-UTRAN) access (3GPP TS 23.401 version 17.9.0 Release 17)	33.070.50	2023-09
ETSI TS 123501 V 16.18.0	5G – System architecture for the 5G System (5GS) (3GPP TS 23.501 version 16.18.0 Release 16)	33.070.50	2023-09
ETSI TS 123501 V 17.10.0	5G – System architecture for the 5G System (5GS) (3GPP TS 23.501 version 17.10.0 Release 17)	33.070.50	2023-09
ETSI TS 123502 V 15.17.0	5G – Procedures for the 5G System (5GS) (3GPP TS 23.502 version 15.17.0 Release 15)	33.070.50	2023-09
ETSI TS 123502 V 16.17.0	5G – Procedures for the 5G System (5GS) (3GPP TS 23.502 version 16.17.0 Release 16)	33.070.50	2023-09
ETSI TS 123502 V 17.10.0	5G – Procedures for the 5G System (5GS) (3GPP TS 23.502 version 17.10.0 Release 17)	33.070.50	2023-09
ETSI TS 123503 V 17.10.0	5G – Policy and charging control framework for the 5G System (5GS) – Stage 2 (3GPP TS 23.503 version 17.10.0 Release 17)	33.070.50	2023-09
ETSI TS 123540 V 17.3.0	5G – 5G System: Technical realization of Service Based Short Message Service – Stage 2 (3GPP TS 23.540 version 17.3.0 Release 17)	33.070.50	2023-09
ETSI TS 123558 V 17.9.0	5G – Architecture for enabling Edge Applications (3GPP TS 23.558 version 17.9.0 Release 17)	33.070.50	2023-09
ETSI TS 124229 V 14.20.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – IP multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP) – Stage 3 (3GPP TS 24.229 version 14.20.0 Release 14)	33.070.50	2023-09

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ETSI TS 124229 V 15.17.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – IP multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP) – Stage 3 (3GPP TS 24.229 version 15.17.0 Release 15)	33.070.50	2023-09
ETSI TS 124229 V 16.14.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – IP multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP) – Stage 3 (3GPP TS 24.229 version 16.14.0 Release 16)	33.070.50	2023-09
ETSI TS 124229 V 17.12.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – IP multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP) – Stage 3 (3GPP TS 24.229 version 17.12.0 Release 17)	33.070.50	2023-09
ETSI TS 124301 V 16.9.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Non-Access-Stratum (NAS) protocol for Evolved Packet System (EPS) – Stage 3 (3GPP TS 24.301 version 16.9.0 Release 16)	33.070.50	2023-09
ETSI TS 124301 V 17.11.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Non-Access-Stratum (NAS) protocol for Evolved Packet System (EPS) – Stage 3 (3GPP TS 24.301 version 17.11.0 Release 17)	33.070.50	2023-09
ETSI TS 124379 V 17.12.0	LTE – Mission Critical Push To Talk (MCPTT) call control – Protocol specification (3GPP TS 24.379 version 17.12.0 Release 17)	33.070.99	2023-09
ETSI TS 124501 V 16.14.0	5G – Non-Access-Stratum (NAS) protocol for 5G System (5GS) – Stage 3 (3GPP TS 24.501 version 16.14.0 Release 16)	33.070.99	2023-09
ETSI TS 124519 V 16.9.0	5G – 5G System (5GS) – Time-Sensitive Networking (TSN) Application Function (AF) to Device-Side TSN Translator (DS-TT) and Network-Side TSN Translator (NW-TT) protocol aspects – Stage 3 (3GPP TS 24.519 version 16.9.0 Release 16)	33.070.99	2023-09
ETSI TS 124539 V 17.7.0	5G – 5G System (5GS) – Network to TSN translator (TT) protocol aspects – Stage 3 (3GPP TS 24.539 version 17.7.0 Release 17)	33.070.50	2023-09
ETSI TS 124545 V 17.8.0	5G – Location Management – Service Enabler Architecture Layer for Verticals (SEAL) – Protocol specification (3GPP TS 24.545 version 17.8.0 Release 17)	33.070.99	2023-09
ETSI TS 124554 V 17.6.0	5G – Proximity-services (ProSe) in 5G System (5GS) protocol aspects – Stage 3 (3GPP TS 24.554 version 17.6.0 Release 17)	33.070.50	2023-09
ETSI TS 124555 V 17.5.0	5G – Proximity-services (ProSe) in 5G System (5GS) – User Equipment (UE) policies – Stage 3 (3GPP TS 24.555 version 17.5.0 Release 17)	33.070.50	2023-09
ETSI TS 128104 V 17.5.0	5G – Management and orchestration – Management Data Analytics (MDA) (3GPP TS 28.104 version 17.5.0 Release 17)	33.070.50	2023-09
ETSI TS 128105 V 17.5.0	5G – Management and orchestration – Artificial Intelligence/ Machine Learning (AI/ML) management (3GPP TS 28.105 version 17.5.0 Release 17)	33.070.50	2023-09
ETSI TS 128201 V 16.2.0	5G – Charging management – Network slice performance and analytics charging in the 5G System (5GS) – Stage 2 (3GPP TS 28.201 version 16.2.0 Release 16)	33.070.50	2023-09
ETSI TS 128201 V 17.1.0	5G – Charging management – Network slice performance and analytics charging in the 5G System (5GS) – Stage 2 (3GPP TS 28.201 version 17.1.0 Release 17)	33.070.50	2023-09
ETSI TS 128202 V 17.1.0	5G – Charging management – Network slice management charging in the 5G System (5GS) – Stage 2 (3GPP TS 28.202 version 17.1.0 Release 17)	33.070.50	2023-09
ETSI TS 128310 V 16.7.0	LTE – 5G – Management and orchestration – Energy efficiency of 5G (3GPP TS 28.310 version 16.7.0 Release 16)	33.070.50	2023-09
ETSI TS 128310 V 17.6.0	LTE – 5G – Management and orchestration – Energy efficiency of 5G (3GPP TS 28.310 version 17.6.0 Release 17)	33.070.50	2023-09

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ETSI TS 128312 V 17.5.0	LTE – 5G – Management and orchestration – Intent driven management services for mobile networks (3GPP TS 28.312 version 17.5.0 Release 17)	33.070.50	2023-09
ETSI TS 128526 V 17.1.0	LTE – Telecommunication management – Life Cycle Management (LCM) for mobile networks that include virtualized network functions – Procedures (3GPP TS 28.526 version 17.1.0 Release 17)	33.070.50	2023-09
ETSI TS 128531 V 15.13.0	5G – Management and orchestration – Provisioning (3GPP TS 28.531 version 15.13.0 Release 15)	33.070.50	2023-09
ETSI TS 128531 V 16.16.0	5G – Management and orchestration – Provisioning (3GPP TS 28.531 version 16.16.0 Release 16)	33.070.50	2023-09
ETSI TS 128531 V 17.9.0	5G – Management and orchestration – Provisioning (3GPP TS 28.531 version 17.9.0 Release 17)	33.070.50	2023-09
ETSI TS 128532 V 16.16.0	5G – Management and orchestration – Generic management services (3GPP TS 28.532 version 16.16.0 Release 16)	33.070.50	2023-09
ETSI TS 128532 V 17.6.0	5G – Management and orchestration – Generic management services (3GPP TS 28.532 version 17.6.0 Release 17)	33.070.50	2023-09
ETSI TS 128533 V 15.8.0	5G – Management and orchestration – Architecture framework (3GPP TS 28.533 version 15.8.0 Release 15)	33.070.50	2023-09
ETSI TS 128533 V 16.10.0	5G – Management and orchestration – Architecture framework (3GPP TS 28.533 version 16.10.0 Release 16)	33.070.50	2023-09
ETSI TS 128533 V 17.4.0	5G – Management and orchestration – Architecture framework (3GPP TS 28.533 version 17.4.0 Release 17)	33.070.50	2023-09
ETSI TS 128535 V 16.6.0	LTE – 5G – Management and orchestration – Management services for communication service assurance – Requirements (3GPP TS 28.535 version 16.6.0 Release 16)	33.070.50	2023-09
ETSI TS 128535 V 17.8.0	LTE – 5G – Management and orchestration – Management services for communication service assurance – Requirements (3GPP TS 28.535 version 17.8.0 Release 17)	33.070.50	2023-09
ETSI TS 128536 V 16.5.0	LTE – 5G – Management and orchestration – Management services for communication service assurance – Stage 2 and stage 3 (3GPP TS 28.536 version 16.5.0 Release 16)	33.070.50	2023-09
ETSI TS 128536 V 17.6.0	LTE – 5G – Management and orchestration – Management services for communication service assurance – Stage 2 and stage 3 (3GPP TS 28.536 version 17.6.0 Release 17)	33.070.50	2023-09
ETSI TS 128538 V 17.4.0	5G – Management and orchestration – Edge Computing Management (3GPP TS 28.538 version 17.4.0 Release 17)	33.070.50	2023-09
ETSI TS 128541 V 16.17.0	5G – Management and orchestration – 5G Network Resource Model (NRM) – Stage 2 and stage 3 (3GPP TS 28.541 version 16.17.0 Release 16)	33.070.50	2023-09
ETSI TS 128552 V 16.16.0	5G – Management and orchestration – 5G performance measurements (3GPP TS 28.552 version 16.16.0 Release 16)	33.070.50	2023-09
ETSI TS 128552 V 17.11.0	5G – Management and orchestration – 5G performance measurements (3GPP TS 28.552 version 17.11.0 Release 17)	33.070.50	2023-09
ETSI TS 128554 V 16.14.0	5G – Management and orchestration – 5G end to end Key Performance Indicators (KPI) (3GPP TS 28.554 version 16.14.0 Release 16)	33.070.50	2023-09
ETSI TS 128554 V 17.11.0	5G – Management and orchestration – 5G end to end Key Performance Indicators (KPI) (3GPP TS 28.554 version 17.11.0 Release 17)	33.070.50	2023-09
ETSI TS 128622 V 15.9.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Telecommunication management – Generic Network Resource Model (NRM) Integration Reference Point (IRP) – Information Service (IS) (3GPP TS 28.622 version 15.9.0 Release 15)	33.070.50	2023-09
ETSI TS 128622 V 16.17.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Telecommunication management – Generic Network Resource Model (NRM) Integration Reference Point (IRP) – Information Service (IS) (3GPP TS 28.622 version 16.17.0 Release 16)	33.070.50	2023-09

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ETSI TS 128622 V 17.7.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Telecommunication management – Generic Network Resource Model (NRM) Integration Reference Point (IRP) – Information Service (IS) (3GPP TS 28.622 version 17.7.0 Release 17)	33.070.50	2023-09
ETSI TS 128623 V 16.15.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Telecommunication management – Generic Network Resource Model (NRM) Integration Reference Point (IRP) – Solution Set (SS) definitions (3GPP TS 28.623 version 16.15.0 Release 16)	33.070.50	2023-09
ETSI TS 129002 V 16.4.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Mobile Application Part (MAP) specification (3GPP TS 29.002 version 16.4.0 Release 16)	33.070.50	2023-09
ETSI TS 129002 V 17.4.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Mobile Application Part (MAP) specification (3GPP TS 29.002 version 17.4.0 Release 17)	33.070.50	2023-09
ETSI TS 129165 V 17.6.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Inter-IMS Network to Network Interface (NNI) (3GPP TS 29.165 version 17.6.0 Release 17)	33.070.50	2023-09
ETSI TS 129256 V 17.5.0	5G – Uncrewed Aerial Systems Network Function (UAS-NF) – Aerial Management Services – Stage 3 (3GPP TS 29.256 version 17.5.0 Release 17)	33.070.50	2023-09
ETSI TS 129500 V 16.15.0	5G – 5G System – Technical Realization of Service Based Architecture – Stage 3 (3GPP TS 29.500 version 16.15.0 Release 16)	33.070.99	2023-09
ETSI TS 129500 V 17.12.0	5G – 5G System – Technical Realization of Service Based Architecture – Stage 3 (3GPP TS 29.500 version 17.12.0 Release 17)	33.070.99	2023-09
ETSI TS 129502 V 17.10.0	5G – 5G System – Session Management Services – Stage 3 (3GPP TS 29.502 version 17.10.0 Release 17)	33.070.99	2023-09
ETSI TS 129503 V 17.12.0	5G – 5G System – Unified Data Management Services – Stage 3 (3GPP TS 29.503 version 17.12.0 Release 17)	33.070.99	2023-09
ETSI TS 129504 V 17.12.0	5G – 5G System – Unified Data Repository Services – Stage 3 (3GPP TS 29.504 version 17.12.0 Release 17)	33.070.99	2023-09
ETSI TS 129507 V 17.10.0	5G – 5G System – Access and Mobility Policy Control Service – Stage 3 (3GPP TS 29.507 version 17.10.0 Release 17)	33.070.99	2023-09
ETSI TS 129510 V 16.15.0	5G – 5G System – Network function repository services – Stage 3 (3GPP TS 29.510 version 16.15.0 Release 16)	33.070.99	2023-09
ETSI TS 129510 V 17.11.0	5G – 5G System – Network function repository services – Stage 3 (3GPP TS 29.510 version 17.11.0 Release 17)	33.070.99	2023-09
ETSI TS 129512 V 17.12.0	5G – 5G System – Session Management Policy Control Service – Stage 3 (3GPP TS 29.512 version 17.12.0 Release 17)	33.070.99	2023-09
ETSI TS 129513 V 17.12.0	5G – 5G System – Policy and Charging Control signalling flows and QoS parameter mapping – Stage 3 (3GPP TS 29.513 version 17.12.0 Release 17)	33.070.99	2023-09
ETSI TS 129515 V 17.8.0	5G – 5G System – Gateway Mobile Location Services – Stage 3 (3GPP TS 29.515 version 17.8.0 Release 17)	33.070.99	2023-09
ETSI TS 129519 V 17.11.0	5G – 5G System – Usage of the Unified Data Repository Service for Policy Data, Application Data and Structured Data for Exposure – Stage 3 (3GPP TS 29.519 version 17.11.0 Release 17)	33.070.99	2023-09
ETSI TS 129522 V 16.15.0	5G – 5G System – Network Exposure Function Northbound APIs – Stage 3 (3GPP TS 29.522 version 16.15.0 Release 16)	33.070.99	2023-09
ETSI TS 129522 V 17.11.0	5G – 5G System – Network Exposure Function Northbound APIs – Stage 3 (3GPP TS 29.522 version 17.11.0 Release 17)	33.070.99	2023-09
ETSI TS 129542 V 17.5.0	LTE – 5G – 5G System – Session management services for Non-IP Data Delivery (NIDD) – Stage 3 (3GPP TS 29.542 version 17.5.0 Release 17)	33.070.50	2023-09

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ETSI TS 129549 V 17.8.0	LTE – 5G – Service Enabler Architecture Layer for Verticals (SEAL) – Application Programming Interface (API) specification – Stage 3 (3GPP TS 29.549 version 17.8.0 Release 17)	33.070.99	2023-09
ETSI TS 129553 V 17.3.0	5G – 5G System – 5G ProSe Anchor Services – Stage 3 (3GPP TS 29.553 version 17.3.0 Release 17)	33.070.50	2023-09
ETSI TS 129559 V 17.4.0	5G – 5G System – 5G ProSe Key Management Services – Stage 3 (3GPP TS 29.559 version 17.4.0 Release 17)	33.070.50	2023-09
ETSI TS 129562 V 17.7.0	5G – 5G System – Home Subscriber Server (HSS) services – Stage 3 (3GPP TS 29.562 version 17.7.0 Release 17)	33.070.99	2023-09
ETSI TS 129572 V 17.9.0	5G – 5G System – Location Management Services – Stage 3 (3GPP TS 29.572 version 17.9.0 Release 17)	33.070.99	2023-09
ETSI TS 129580 V 17.3.0	5G – 5G System – Multicast/Broadcast Service Function services – Stage 3 (3GPP TS 29.580 version 17.3.0 Release 17)	33.070.50	2023-09
ETSI TS 129581 V 17.5.0	5G – 5G System – Multicast/Broadcast Service Transport Services – Stage 3 (3GPP TS 29.581 version 17.5.0 Release 17)	33.070.50	2023-09
ETSI TS 129591 V 17.11.0	5G – 5G System – Network Exposure Function Southbound Services – Stage 3 (3GPP TS 29.591 version 17.11.0 Release 17)	33.070.99	2023-09
ETSI TS 134123-3 V 17.2.0	Universal Mobile Telecommunications System (UMTS) – User Equipment (UE) conformance specification – Part 3: Abstract test suite (ATS) (3GPP TS 34.123-3 version 17.2.0 Release 17)	33.070.50	2023-09
ETSI TS 136211 V 16.8.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Physical channels and modulation (3GPP TS 36.211 version 16.8.0 Release 16)	33.070.50	2023-09
ETSI TS 136211 V 17.4.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Physical channels and modulation (3GPP TS 36.211 version 17.4.0 Release 17)	33.070.50	2023-09
ETSI GR NFV-EVE 021 V 5.1.1	Network Functions Virtualisation (NFV) Release 5 – Evolution and Ecosystem – Report on energy efficiency aspects for NFV	33.040.40; 35.110	2023-09
ETSI GR NFV-IFA 024 V 4.5.1	Network Functions Virtualisation (NFV) Release 4 – Information Modeling – Report on External Touchpoints related to NFV Information Model	35.110	2023-09
ETSI GR NFV 003 V 1.8.1	Network Functions Virtualisation (NFV) – Terminology for Main Concepts in NFV	33.040.40; 35.110	2023-09
ETSI GS NFV-IFA 005 V 4.5.1	Network Functions Virtualisation (NFV) Release 4 – Management and Orchestration – Or-Vi reference point – Interface and Information Model Specification	33.040.40; 35.110	2023-09
ETSI GS NFV-IFA 006 V 4.5.1	Network Functions Virtualisation (NFV) Release 4 – Management and Orchestration – Vi-Vnfm reference point – Interface and Information Model Specification	33.040.40; 35.110	2023-09
ETSI GS NFV-IFA 007 V 4.5.1	Network Functions Virtualisation (NFV) Release 4 – Management and Orchestration – Or-Vnfm reference point – Interface and Information Model Specification	33.040.40; 35.110	2023-09
ETSI GS NFV-IFA 008 V 4.5.1	Network Functions Virtualisation (NFV) Release 4 – Management and Orchestration – Ve-Vnfm reference point – Interface and Information Model Specification	33.040.40; 35.110	2023-09
ETSI GS NFV-IFA 010 V 4.5.1	Network Functions Virtualisation (NFV) Release 4 – Management and Orchestration – Functional requirements specification	33.040.40; 35.110	2023-09
ETSI GS NFV-IFA 011 V 4.5.1	Network Functions Virtualisation (NFV) Release 4 – Management and Orchestration – VNF Descriptor and Packaging Specification	33.040.40; 35.110	2023-09
ETSI GS NFV-IFA 013 V 4.5.1	Network Functions Virtualisation (NFV) Release 4 – Management and Orchestration – Os-Ma-nfvo reference point – Interface and Information Model Specification	33.040.40; 35.110	2023-09
ETSI GS NFV-IFA 014 V 4.5.1	Network Functions Virtualisation (NFV) Release 4 – Management and Orchestration – Network Service Templates Specification	33.040.40; 35.110	2023-09
ETSI GS NFV-IFA 030 V 4.5.1	Network Functions Virtualisation (NFV) Release 4 – Management and Orchestration – Multiple Administrative Domain Aspect Interfaces Specification	35.110	2023-09

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ETSI GS NFV-IFA 031 V 4.5.1	Network Functions Virtualisation (NFV) Release 4 – Management and Orchestration – Requirements and interfaces specification for management of NFV-MANO	35.110	2023-09
ETSI GS NFV-IFA 032 V 4.5.1	Network Functions Virtualisation (NFV) Release 4 – Management and Orchestration – Interface and Information Model Specification for Multi-Site Connectivity Services	35.110	2023-09
ETSI GS NFV-IFA 036 V 4.5.1	Network Functions Virtualisation (NFV) Release 4 – Management and Orchestration – Requirements for service interfaces and object model for container cluster management and orchestration specification	35.110	2023-09
ETSI GS NFV-IFA 040 V 4.5.1	Network Functions Virtualisation (NFV) Release 4 – Management and Orchestration – Requirements for service interfaces and object model for OS container management and orchestration specification	35.110	2023-09
EN 301908-23 V 15.1.1	IMT cellular networks – Harmonised Standard for access to radio spectrum – Part 23: Active Antenna System (AAS) Base Station (BS) – Release 15	33.060.20; 33.070.01	2023-09
EN 301908-24 V 15.1.1	IMT cellular networks – Harmonised Standard for access to radio spectrum – Part 24: New Radio (NR) Base Stations (BS) Release 15	33.060.20; 33.070.01	2023-09
EN 303213-8 V 2.1.1	Advanced Surface Movement Guidance and Control System (A-SMGCS) – Part 8: Community Specification for A-SMGCS guidance service	49.090	2023-09
EN 319412-1 V 1.5.1	Electronic Signatures and Infrastructures (ESI) – Certificate Profiles – Part 1: Overview and common data structures	35.240.30	2023-09
EN 319412-2 V 2.3.1	Electronic Signatures and Infrastructures (ESI) – Certificate Profiles – Part 2: Certificate profile for certificates issued to natural persons	35.240.30	2023-09
EN 319412-3 V 1.3.1	Electronic Signatures and Infrastructures (ESI) – Certificate Profiles – Part 3: Certificate profile for certificates issued to legal persons	35.240.30	2023-09
EN 319412-4 V 1.3.1	Electronic Signatures and Infrastructures (ESI) – Certificate Profiles – Part 4: Certificate profile for web site certificates	35.240.30	2023-09
EN 319412-5 V 2.4.1	Electronic Signatures and Infrastructures (ESI) – Certificate Profiles – Part 5: QCStatements	35.240.30	2023-09

Međunarodna normizacija (ISO)

Oznaka norme	Naslov norme	ICS	Datum objave
IEC/TR 61400-4-2	Wind energy generation systems – Part 4-2: Lubrication of drivetrain components in wind turbines	27.180; 75.100	2023-09
IEC/TR 61400-4-3	Wind energy generation systems – Part 4-3: Explanatory notes on IEC 61400-4 – Supportive information for wind turbine gearbox design	21.200; 27.180	2023-09
ISO 60	Plastics – Determination of apparent density of material that can be poured from a specified funnel	83.080.10	2023-09
ISO 61	Plastics – Determination of apparent density of moulding material that cannot be poured from a specified funnel	83.080.10	2023-09
ISO 683-17	Heat-treatable steels, alloy steels and free-cutting steels – Part 17: Ball and roller bearing steels	21.100.20; 77.140.10	2023-09
ISO 1750	Pesticides and other agrochemicals – Common names	65.100.01	2023-09
ISO 1833-4	Textiles – Quantitative chemical analysis – Part 4: Mixtures of certain protein fibres with certain other fibres (method using hypochlorite)	59.060.01	2023-09
ISO 2107	Aluminium and aluminium alloys – Wrought products – Temper designations	25.200; 77.120.10	2023-09
ISO 2740	Sintered metal materials, excluding hardmetals – Tensile test pieces	77.040.10; 77.160	2023-09
ISO 3671	Plastics – Aminoplastic moulding materials – Determination of volatile matter	83.080.10	2023-09
ISO/IEC 3721	Information technology – Computer graphics, image processing and environmental data representation – Information model for mixed and augmented reality content – Core objects and attributes	35.140	2023-09
ISO 3887	Steels – Determination of the depth of decarburization	77.040.99	2023-09
ISO 4484-2	Textiles and textile products – Microplastics from textile sources – Part 2: Qualitative and quantitative analysis of microplastics	13.020.40; 59.080.01	2023-09
ISO 4706	Gas cylinders – Refillable welded steel cylinders – Test pressure 60 bar and below	23.020.35	2023-09
ISO 4973	Cosmetics – Microbiology – Quality control of culture media and diluents used in cosmetics standards	07.100.40	2023-09
ISO 5128	Acoustics – Measurement of interior vehicle noise	17.140.30; 43.020	2023-09
ISO 5157	Textiles – Environmental aspects – Vocabulary	01.040.13; 01.040.59; 13.020.01; 59.020	2023-09
ISO 5189	Fine ceramics (advanced ceramics, advanced technical ceramics) – Methods for chemical analysis of metal impurities in silicon dioxide powders using inductively coupled plasma-optical emission spectrometry	81.060.30	2023-09
ISO 5210	Industrial valves – Multi-turn valve actuator attachments	23.060.01	2023-09
ISO 5211	Industrial valves – Part-turn actuator attachments	23.060.01	2023-09
ISO 5352-1	Hydraulic fluid power – Determination of discharge flow rate and thermal losses of gas loaded accumulators – Part 1: Test method	23.100.01	2023-09
ISO 5754	Sintered metal materials, excluding hardmetals – Unnotched impact test piece	77.040.10; 77.160	2023-09
ISO/IEC TS 5928	Information technology – Cloud computing and distributed platforms – Taxonomy for digital platforms	35.210	2023-09
ISO/TR 6307	Effect of conductivity on multipass testing as per ISO 4548-12:2017	27.020	2023-09
ISO 6888-1 AMD 1	Microbiology of the food chain – Horizontal method for the enumeration of coagulase-positive staphylococci (<i>Staphylococcus aureus</i> and other species) – Part 1: Method using Baird-Parker agar medium – Amendment 1	07.100.30	2023-09
ISO 6888-2 AMD 1	Microbiology of the food chain – Horizontal method for the enumeration of coagulase-positive staphylococci (<i>Staphylococcus aureus</i> and other species) – Part 2: Method using rabbit plasma fibrinogen agar medium – Amendment 1	07.100.30	2023-09

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ISO 6923	Paints and varnishes – Determination of monomeric diisocyanate content in coating materials and similar products using high performance liquid chromatography with ultraviolet detection (HPLC-UV)	87.040	2023-09
ISO/IEC TR 7052	Software engineering – Controlling frequently occurring risks during development and maintenance of custom software	35.080	2023-09
ISO 7753	Nuclear criticality safety – Use of criticality accident alarm systems for operations	27.120.20	2023-09
ISO 8092-2	Road vehicles – Connections for on-board electrical wiring harnesses – Part 2: Terminology, test methods and general performance requirements	43.040.10	2023-09
ISO/DPAS 8926	Road vehicles – Functional safety – Use of pre-existing software architectural elements	43.040.15	2023-09
ISO/TR 9464	Guidelines for the use of ISO 5167:2022	17.120.10	2023-09
ISO 9854-2	Thermoplastics pipes for the transport of fluids – Determination of Charpy impact properties – Part 2: Test conditions for pipes of various materials	23.040.20	2023-09
ISO 10991	Microfluidics – Vocabulary	01.040.71; 71.040.10	2023-09
ISO 10993-17	Biological evaluation of medical devices – Part 17: Toxicological risk assessment of medical device constituents	11.100.20	2023-09
ISO 11243	Cycles – Luggage carriers for bicycles – Requirements and test methods	43.150	2023-09
ISO/TR 11462-5	Guidelines for implementation of statistical process control (SPC) – Part 5: Quality data exchange format for SPC software	03.120.30	2023-09
ISO/PAS 11585	Road vehicles – Partial driving automation – Technical characteristics of conditional hands-free driving systems	43.020	2023-09
ISO 11607-1 AMD 1	Packaging for terminally sterilized medical devices – Part 1: Requirements for materials, sterile barrier systems and packaging systems – Amendment 1: Application of risk management	11.080.30	2023-09
ISO 11607-2 AMD 1	Packaging for terminally sterilized medical devices – Part 2: Validation requirements for forming, sealing and assembly processes – Amendment 1: Application of risk management	11.080.30	2023-09
ISO/TS 11686	Connectors for fluid power and general use – Assembly instructions for connectors with adjustable stud ends and O-ring sealing	23.100.40	2023-09
ISO 11855-1 AMD 1	Building environment design – Embedded radiant heating and cooling systems – Part 1: Definitions, symbols, and comfort criteria – Amendment 1	91.040.01	2023-09
ISO 11855-6 AMD 1	Building environment design – Design, dimensioning, installation and control of embedded radiant heating and cooling systems – Part 6: Control – Amendment 1	91.040.01	2023-09
ISO/DTR 11954	Fuel cell road vehicles – Performance measurement – Vehicles fuelled with compressed hydrogen	43.120	2023-09
ISO 12156-1	Diesel fuel – Assessment of lubricity using the high-frequency reciprocating rig (HFRR) – Part 1: Test method	75.160.20	2023-09
ISO 12460-3	Wood-based panels – Determination of formaldehyde release – Part 3: Gas analysis method	79.060.01	2023-09
ISO 12759-1	Fans – Efficiency classification for fans – Part 1: General requirements	23.120	2023-09
ISO/TR 12767	Measurement of fluid flow by means of pressure differential devices – Guidelines on the effect of departure from the specifications and operating conditions given in ISO 5167	17.120.10	2023-09
ISO 13093	Titanium and titanium alloys – Determination of carbon – Infrared absorption method after combustion in an induction furnace	77.120.50	2023-09
ISO 13319-2	Determination of particle size distribution – Electrical sensing zone method – Part 2: Tunable resistive pulse sensing method	19.120	2023-09
ISO 13703-3	Oil and gas industries including lower carbon energy – Piping systems on offshore production platforms and onshore plants – Part 3: Fabrication	75.180.10	2023-09

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ISO 13943	Fire safety – Vocabulary	01.040.13; 13.220.01	2023-09
ISO/IEC 14443-2 Technical Corrigendum 2	Cards and security devices for personal identification – Contactless proximity objects – Part 2: Radio frequency power and signal interface; Technical Corrigendum 2	35.240.15	2023-09
ISO/TR 15377	Measurement of fluid flow by means of pressure-differential devices – Guidelines for the specification of orifice plates, nozzles and Venturi tubes beyond the scope of ISO 5167 series	17.120.10	2023-09
ISO 15389	Space systems – Flight-to-ground umbilicals	49.140	2023-09
ISO 15535	General requirements for establishing anthropometric databases	13.180	2023-09
ISO 15551	Petroleum and natural gas industries – Drilling and production equipment – Electric submersible pump systems for artificial lift	75.180.10	2023-09
ISO/DTR 16497-1	Sustainable mobility and transportation – Sustainable mobility services – Part 1: Use cases	03.220.01; 13.020.20	2023-09
ISO/DTR 17326	Fuel cell road vehicles – Cold start performances under sub-zero temperature – Vehicles fuelled with compressed hydrogen	43.120	2023-09
ISO 17785-3	Testing methods for pervious concrete – Part 3: Resistance of surface degradation	91.100.30	2023-09
ISO 17842-1	Safety of amusement rides and amusement devices – Part 1: Design and manufacture	97.200.40	2023-09
ISO 18400-301	Soil quality – Sampling – Part 301: Sampling and on site semi-quantitative determinations of volatile organic compounds in field investigations	13.080.05	2023-09
ISO/TR 18588	Petroleum products – Characterization of marine fuels by viscosity-gravity constant	75.160.20	2023-09
ISO 18674-8	Geotechnical investigation and testing – Geotechnical monitoring by field instrumentation – Part 8: Measurement of loads: Load cells	93.020	2023-09
ISO 18692-4	Fibre ropes for offshore stationkeeping – Part 4: Polyarylate	59.080.50	2023-09
ISO/PAS 18940-1	Imaging materials – Image permanence specification of reflection photographic prints for indoor applications – Part 1: Test methods	37.040.20	2023-09
ISO 19901-8	Oil and gas industries including lower carbon energy – Offshore structures – Part 8: Marine soil investigations	75.180.10	2023-09
ISO/TR 20123	Automation systems and integration – Industrial data – Nuclear digital ecosystem specifications	25.040.40	2023-09
ISO/IEC 20619	Information technology – C# specification suite	35.060	2023-09
ISO 20685-2	Ergonomics – 3-D scanning methodologies for internationally compatible anthropometric databases – Part 2: Evaluation protocol of surface shape and repeatability of relative landmark positions	13.180	2023-09
ISO/PAS 20708	Recreational diving services – Requirements for artificial open water sites	03.080.30; 03.200.99	2023-09
ISO 20956	Radiological protection – Low dose rate calibration of instruments for environmental and area monitoring	17.240	2023-09
ISO/IEC 21145	Information technology – Computer graphics, image processing and environmental data representation – Style representation for mixed and augmented reality	35.140	2023-09
ISO 21339	6Al-4V titanium alloys – Determination of aluminium and vanadium contents – Inductively coupled plasma atomic emission spectrometric method	77.120.50	2023-09
ISO/IEC 21838-3	Information technology – Top-level ontologies (TLO) – Part 3: Descriptive ontology for linguistic and cognitive engineering (DOLCE)	01.040.35; 35.060	2023-09
ISO/IEC 21838-4	Information technology – Top-level ontologies (TLO) – Part 4: TUpper	01.040.35; 35.060	2023-09
ISO 22028-4	Photography and graphic technology – Extended colour encodings for digital image storage, manipulation and interchange – Part 4: European Colour Initiative RGB colour image encoding [eciRGB (2008)]	37.040.99; 37.100.01	2023-09

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ISO/IEC 22123-2	Information technology – Cloud computing – Part 2: Concepts	01.040.35; 35.210	2023-09
ISO/IEC 22123-3	Information technology – Cloud computing – Part 3: Reference architecture	35.210	2023-09
ISO 22343-1	Security and resilience – Vehicle security barriers – Part 1: Performance requirement, vehicle impact test method and performance rating	93.080.30	2023-09
ISO 22343-2	Security and resilience – Vehicle security barriers – Part 2: Application	93.080.30	2023-09
ISO/DTR 22514-9	Statistical methods in process management – Capability and performance – Part 9: Process capability statistics for characteristics defined by geometrical specifications	03.120.30	2023-09
ISO/DTR 22762-7	Elastomeric seismic-protection isolators – Part 7: Relationship of the ISO 22762 series to the design and testing of seismic isolation systems	83.140.99; 91.120.25	2023-09
ISO 22822	Large yachts – Quality assessment and acceptance criteria – Dynamic positioning on large yachts	47.040	2023-09
ISO 23316-2	Tractors and machinery for agriculture and forestry – Electrical high-power interface 700 V DC / 480 V AC – Part 2: Physical interface	65.060.10	2023-09
ISO/TS 23526	Security aspects for digital currencies	03.060; 35.240.40	2023-09
ISO 23665	Unmanned aircraft systems – Training for personnel involved in UAS operations	03.100.30; 49.020	2023-09
ISO/IEC 23837-2	Information security – Security requirements, test and evaluation methods for quantum key distribution – Part 2: Evaluation and testing methods	35.030	2023-09
ISO 24187	Principles for the analysis of microplastics present in the environment	13.020.01; 83.080.01	2023-09
ISO 24394	Welding for aerospace applications – Qualification test for welders and welding operators – Fusion welding of metallic components	25.160.01	2023-09
ISO 24460	Measurement of fluid flow rate in closed conduits – Radioactive tracer methods	17.120.10	2023-09
ISO 24585-2	Graphic technology – Multispectral imaging measurement and colorimetric computation for graphic arts and industrial application – Part 2: Requirements for decorative surfaces	37.100.01	2023-09
ISO/PAS 24644-1	Mass customization value chain management – Part 1: Framework	25.040.40	2023-09
ISO 24652	Spherical plain bearings – Spherical plain bearings rod ends for hydraulic fluid power cylinders	21.100.10	2023-09
ISO/TR 24666	Sports and recreational facilities – Probes for entrapment/entanglement on playground equipment – Collection of data	97.200.40	2023-09
ISO 24806	Recreational diving services – Requirements for rebreather diver training – Decompression diving to 60 m	03.080.30; 03.100.30; 03.200.99	2023-09
ISO 32110	Transaction assurance in E-commerce – Vocabulary	01.040.03; 01.040.35; 03.080.30; 35.240.63	2023-09
ISO 32111	Transaction assurance in E-commerce – Principles and framework	03.080.30; 35.240.63	2023-09
ISO/TR 37178	Smart community infrastructures – Data exchange and sharing for the lamppost network in smart community	13.020.20; 35.110	2023-09
ISO/IEC 39794-2	Information technology – Extensible biometric data interchange formats – Part 2: Finger minutiae data	35.240.15	2023-09
ISO/DTR 41016	Facility management – Overview of available technologies	03.080.10	2023-09
ISO 52016-3	Energy performance of buildings – Energy needs for heating and cooling, internal temperatures and sensible and latent heat loads – Part 3: Calculation procedures regarding adaptive building envelope elements	91.120.10	2023-09
ISO/TS 56010	Innovation management – Illustrative examples of ISO 56000	03.100.01; 03.100.40	2023-09
ISO/CIE TR 3092	Light and lighting – Energy performance of lighting in buildings – Explanation and justification of ISO/CIE 20086	91.160.10	2023-09

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ISO 23316-7	Tractors and machinery for agriculture and forestry – Electrical high-power interface 700 V DC / 480 V AC – Part 7: Mechanical integration	65.060.10	2023-08
ISO/TS 23374-2	Intelligent transport systems – Automated valet parking systems (AVPS) – Part 2: Security integration for type 3 AVP	03.220.20; 35.240.60	2023-08
ISO 23537-2	Requirements for sleeping bags – Part 2: Fabric and material properties	97.200.30	2023-08
ISO 23596	Rare earth – Determination of rare earth content in individual rare earth metals and their compounds – Gravimetric method	77.040.30	2023-08
ISO 23597	Rare earth – Determination of rare earth content in individual rare earth metals and their oxides – Titration method	77.040.30	2023-08
ISO/IEC 23837-1	Information security – Security requirements, test and evaluation methods for quantum key distribution – Part 1: Requirements	35.030	2023-08
ISO 23853	Cranes – Training of slingers and signallers	03.100.30; 53.020.20	2023-08
ISO/IEC 24029-2	Artificial intelligence (AI) – Assessment of the robustness of neural networks – Part 2: Methodology for the use of formal methods	35.020	2023-08
ISO 24354	General requirements for the payload interface of civil unmanned aircraft systems	49.020	2023-08
ISO 24364	Royal jelly production	65.140	2023-08
ISO 24395	Dentistry – Classification of tooth restorations preparation	11.060.01	2023-08
ISO 24478	Railway applications – Braking – General vocabulary	01.040.45; 45.020	2023-08
ISO/TS 24665	Playground and recreational areas – Framework for the competence of playground inspectors and playground maintenance technicians	97.220.01	2023-08
ISO 27026	Space systems – Programme management – Breakdown of project management structures	49.140	2023-08
ISO/IEC TS 27560	Privacy technologies – Consent record information structure	35.030	2023-08
ISO 28741	Road vehicles – Spark-plugs and their cylinder head housings – Basic characteristics and dimensions	43.060.50	2023-08
ISO/IEC 30107-1	Information technology – Biometric presentation attack detection – Part 1: Framework	35.240.15	2023-08
ISO 34503	Road Vehicles – Test scenarios for automated driving systems – Specification for operational design domain	43.020	2023-08
ISO/IEC 39794-4 AMD 1	Information technology – Extensible biometric data interchange formats – Part 4: Finger image data – Amendment 1: Extension towards improved interoperability with ANSI/NIST-ITL	35.240.15	2023-08
ISO/ASTM 52902	Additive manufacturing – Test artefacts – Geometric capability assessment of additive manufacturing systems	25.030	2023-08
ISO/ASTM 52924	Additive manufacturing of polymers – Qualification principles – Classification of part properties	25.030	2023-08
ISO 56007	Innovation management – Tools and methods for managing opportunities and ideas – Guidance	03.100.01; 03.100.40	2023-08

Međunarodna normizacija (IEC)

Oznaka norme	Naslov norme	ICS	Datum objave
IEC/TR 63222-101	IEC/TR 63222-101: Power quality management – Part 101: Power quality data application	29.240.01; 35.240.99	2023-09
IEC/TR 63515	Conceptual Framework of Power System Resilience	29.240.99	2023-09
IEC/TR 62433-4-1	EMC IC modelling – Part 4: Models of integrated circuits for RF immunity behavioural simulation – Conducted immunity modelling (ICIM-CI) – Section 1: Technical Report on the use of ICIM-CI model (IEC 62433-4) to predict the IC conducted immunity in a PCB	31.200	2023-09
IEC/TR 63353	Industrial internet of things (IIoT) applications in power distribution systems management: Architecture and functional requirements	35.240.50; 35.240.95	2023-09
IEC/TR 63519	Aspects and understanding of measurement uncertainty – Background information on the understanding of measurement uncertainty on the example of IEC TC 85 (Measuring instruments for electrical and electromagnetic quantities)	17.220.20	2023-09
IEC/TR 63484	Guidance on fungus resistance of optical fibre cables	33.180.10	2023-09
IEC/TR 61400-4-2	Wind energy generation systems – Part 4-2: Lubrication of drivetrain components in wind turbines	27.180; 75.100	2023-09
IEC/TR 61400-4-3	Wind energy generation systems – Part 4-3: Explanatory notes on IEC 61400-4 – Supportive information for wind turbine gearbox design	21.200; 27.180	2023-09
IEC/TR 63478-1	User's Quality of Experience (QoE) on Multimedia Conferencing Services – Part 1: General	33.160.60	2023-09
IEC/TR 62933-2-201	Review of testing for BESS in consideration of implementing repurpose and reuse batteries	27.010; 29.220.01	2023-09
IEC 60335-2-89 Corrigendum 3	Household and similar electrical appliances – Safety – Part 2-89: Particular requirements for commercial refrigerating appliances and ice-makers with an incorporated or remote refrigerant unit or motor-compressor; Corrigendum 3	97.040.30; 97.130.20	2023-09
IEC 60404-8-1	Magnetic materials – Part 8-1: Specifications for individual materials – Permanent magnet (magnetically hard) materials	17.220.20; 29.030	2023-09
IEC 60512-99-003	Connectors for electrical and electronic equipment – Tests and measurements – Part 99-003: Endurance test schedules – Test 99c: Test schedule for balanced single-pair connectors separating (unmating) under electrical load	13.220.40; 31.220.10	2023-09
IEC 60794-1-111	Optical fibre cables – Part 1-111: Generic specification – Basic optical cable test procedures – Mechanical tests methods – Bend, method E11	33.180.10	2023-09
IEC 60794-1-306	Optical fibre cables – Part 1-306: Generic specification – Basic optical cable test procedures – Cable element test methods – Ribbon torsion, Method G6	33.180.10	2023-09
IEC 61010-2-030	Safety requirements for electrical equipment for measurement, control, and laboratory use – Part 2-030: Particular requirements for equipment having testing or measuring circuits	17.220.20; 19.080; 71.040.10	2023-09
IEC 61010-2-032	Safety requirements for electrical equipment for measurement, control, and laboratory use – Part 2-032: Particular requirements for hand-held and hand-manipulated current sensors for electrical test and measurement	17.220.20; 19.080	2023-09
IEC 61010-2-033	Safety requirements for electrical equipment for measurement, control, and laboratory use – Part 2-033: Particular requirements for hand-held multimeters and other meters for domestic and professional use, capable of measuring mains voltage	17.220.20; 19.080; 71.040.10	2023-09
IEC/TS 61400-30	Wind energy generation systems – Part 30: Safety of wind turbine generators – General principles for design	27.180	2023-09
IEC 61439-1 Corrigendum 2	Low-voltage switchgear and controlgear assemblies – Part 1: General rules; Corrigendum 2	29.130.20	2023-09
IEC 61462	Composite hollow insulators – Pressurized and unpressurized insulators for use in electrical equipment with AC rated voltage greater than 1000 V AC and D.C. voltage greater than 1500 V – Definitions, test methods, acceptance criteria and design recommendations	29.080.10	2023-09

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IEC 61558-2-3 Corrigendum 1	Safety of transformers, reactors, power supply units and combinations thereof – Part 2-3: Particular requirements and tests for ignition transformers for gas and oil burners; Corrigendum 1	29.180	2023-09
IEC 61558-2-16 Corrigendum 1	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; Corrigendum 1	29.180	2023-09
IEC 61730-1	Photovoltaic (PV) module safety qualification – Part 1: Requirements for construction	27.160	2023-09
IEC 61730-2	Photovoltaic (PV) module safety qualification – Part 2: Requirements for testing	27.160	2023-09
IEC 61800-5-1 Corrigendum 1	Adjustable speed electrical power drive systems – Part 5-1: Safety requirements – Electrical, thermal and energy; Corrigendum 1	29.160.30	2023-09
IEC 61936-2	Power installations exceeding 1 kV AC and 1,5 kV DC – Part 2: DC	29.020; 29.080.01; 29.240.01	2023-09
IEC/TS 61994-5	Piezoelectric, dielectric and electrostatic devices and associated materials for frequency control, selection and detection – Glossary – Part 5: Piezoelectric sensors	01.040.31; 31.140	2023-09
IEC 62056-5-3	Electricity metering data exchange – The DLMS/COSEM suite – Part 5-3: DLMS/COSEM application layer	33.200; 35.100.70; 35.110; 35.240.99; 91.140.50	2023-09
IEC 62056-6-2	Electricity metering data exchange – The DLMS®/COSEM suite – Part 6-2: COSEM interface classes	35.110; 91.140.50	2023-09
IEC 62056-8-12	Electricity metering data exchange – The DLMS®/COSEM suite – Part 8-12: Communication profile for Low-Power Wide Area Networks (LPWANs)	33.200; 35.110; 35.240.99; 91.140.50	2023-09
IEC 62148-17	Fibre optic active components and devices – Package and interface standards – Part 17: Transmitter and receiver components with dual coaxial RF connectors	33.180.30; 33.180.99	2023-09
IEC 62386-305	Digital addressable lighting interface – Part 305: Particular requirements – Input devices – Colour sensor	29.140.50; 29.140.99	2023-09
IEC/TS 62443-1-5	Security for industrial automation and control systems – Part 1-5: Scheme for IEC 62443 security profiles	25.040.40; 35.030; 35.240.50	2023-09
IEC 62877-1	Electrolyte and water for vented lead acid accumulators – Part 1: Requirements for electrolyte	29.220.20	2023-09
IEC/TS 62915	Photovoltaic (PV) modules – Type approval, design and safety qualification – Retesting	27.160	2023-09
IEC 62977-3-5	Electronic displays – Part 3-5: Evaluation of optical performance – Colour capabilities	31.120; 31.260	2023-09
IEC 63145-10	Eyewear display – Part 10: Specifications	31.120	2023-09
IEC/TS 63189-1	Virtual power plants – Part 1: Architecture and functional requirements	27.100; 29.240.01; 35.240.50	2023-09
IEC/TS 63266	Representation of communication in power utility automation	29.020; 33.040.40; 33.200	2023-09
IEC/TS 63291-1	High voltage direct current (HVDC) grid systems and connected converter stations – Guideline and parameter lists for functional specifications – Part 1: Guideline	29.200; 29.240.01	2023-09
IEC/TS 63291-2	High voltage direct current (HVDC) grid systems and connected converter stations – Guideline and parameter lists for functional specifications – Part 2: Parameter lists	29.200; 29.240.01	2023-09
IEC 63345	Energy efficiency systems – Simple external consumer display	27.015; 29.020; 91.140.50	2023-09
IEC 63356-1	LED light source characteristics – Part 1: Data sheets	29.140.99	2023-09
IEC SRD 63416	Ethical considerations of artificial intelligence (AI) when applied in the active assisted living (AAL) context	03.100.02; 11.020.10; 11.180.01; 35.240.01	2023-09
IEC/TS 63429	Washing machines for household use – Method for measuring the microbiological performance	97.060	2023-09

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IEC/TR 63434	Low voltage switchgear and controlgear – Partial discharge voltages and PD- level in low voltage switchgear and controlgear	29.130.20	2023-09
ISO/IEC 3721	Information technology – Computer graphics, image processing and environmental data representation – Information model for mixed and augmented reality content – Core objects and attributes	35.140	2023-09
ISO/IEC TS 5928	Information technology – Cloud computing and distributed platforms – Taxonomy for digital platforms	35.210	2023-09
ISO/IEC TR 7052	Software engineering – Controlling frequently occurring risks during development and maintenance of custom software	35.080	2023-09
ISO/IEC 14443-2 Technical Corrigendum 2	Cards and security devices for personal identification – Contactless proximity objects – Part 2: Radio frequency power and signal interface; Technical Corrigendum 2	35.240.15	2023-09
ISO/IEC 20619	Information technology – C# specification suite	35.060	2023-09
ISO/IEC 21145	Information technology – Computer graphics, image processing and environmental data representation – Style representation for mixed and augmented reality	35.140	2023-09
ISO/IEC 21838-3	Information technology – Top-level ontologies (TLO) – Part 3: Descriptive ontology for linguistic and cognitive engineering (DOLCE)	01.040.35; 35.060	2023-09
ISO/IEC 21838-4	Information technology – Top-level ontologies (TLO) – Part 4: TUpper	01.040.35; 35.060	2023-09
ISO/IEC 22123-2	Information technology – Cloud computing – Part 2: Concepts	01.040.35; 35.210	2023-09
ISO/IEC 22123-3	Information technology – Cloud computing – Part 3: Reference architecture	35.210	2023-09
ISO/IEC 23837-2	Information security – Security requirements, test and evaluation methods for quantum key distribution – Part 2: Evaluation and testing methods	35.030	2023-09
ISO/IEC 39794-2	Information technology – Extensible biometric data interchange formats – Part 2: Finger minutiae data	35.240.15	2023-09
IEC/TR 63519	Uncertainty Definition and Determination Process – Guidelines for understanding the measurement uncertainty	17.220.20	2023-09
ISO/IEC 5087-1	Information technology – City data model – Part 1: Foundation level concepts	13.020.20; 35.240.99	2023-08
ISO/IEC 6523-1	Information technology – Structure for the identification of organizations and organization parts – Part 1: Identification of organization identification schemes	35.040.50	2023-08
ISO/IEC 9797-1 AMD 1	Information technology – Security techniques – Message Authentication Codes (MACs) – Part 1: Mechanisms using a block cipher – Amendment 1	35.030	2023-08
ISO/IEC 23001-7	Information technology – MPEG systems technologies – Part 7: Common encryption in ISO base media file format files	35.040.40	2023-08
ISO/IEC 23090-12	Information technology – Coded representation of immersive media – Part 12: MPEG immersive video	35.040.40	2023-08
ISO/IEC 23094-1 AMD 1	Information technology – General video coding – Part 1: Essential video coding – Amendment 1: Green metadata supplemental enhancement information	35.040.40	2023-08
ISO/IEC 23837-1	Information security – Security requirements, test and evaluation methods for quantum key distribution – Part 1: Requirements	35.030	2023-08
ISO/IEC 24029-2	Artificial intelligence (AI) – Assessment of the robustness of neural networks – Part 2: Methodology for the use of formal methods	35.020	2023-08
ISO/IEC TS 27560	Privacy technologies – Consent record information structure	35.030	2023-08
ISO/IEC 30107-1	Information technology – Biometric presentation attack detection – Part 1: Framework	35.240.15	2023-08
ISO/IEC 39794-4 AMD 1	Information technology – Extensible biometric data interchange formats – Part 4: Finger image data – Amendment 1: Extension towards improved interoperability with ANSI/NIST-ITL	35.240.15	2023-08