

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 6, *Papir, karton i pulpe*

- HRN EN ISO 535:2023 en pr
Papir i karton – Određivanje sposobnosti upijanja vode – Metoda po Cobbu (ISO 535:2023; EN ISO 535:2023)
Paper and board – Determination of water absorptiveness – Cobb method (ISO 535:2023; EN ISO 535:2023)

HZN/TO 8, *Brodogradnja*

- HRN EN ISO 10088:2023 en pr
Mala plovila – Trajno ugrađeni sustavi goriva (ISO 10088:2022; EN ISO 10088:2023)
Small craft – Permanently installed fuel systems (ISO 10088:2022; EN ISO 10088:2023)

- HRN EN ISO 11591:2020/A1:2023 en pr
Mala plovila – Vidno polje s mjesta upravljanja (ISO 11591:2020/Amd 1:2022; EN ISO 11591:2020/A1:2023)
Small craft – Field of vision from the steering position (ISO 11591:2020/Amd 1:2022; EN ISO 11591:2020/A1:2023)

- HRN EN ISO 13590:2023 en pr
Mala plovila – Osobna plovila – Zahtjevi za gradnju i ugradnju sustava (ISO 13590:2022; EN ISO 13590:2023)
Small craft – Personal watercraft – Construction and system installation requirements (ISO 13590:2022; EN ISO 13590:2023)

- HRN EN ISO 21487:2023 en pr
Mala plovila – Trajno ugrađeni spremnici za benzinsko i dizelsko gorivo (ISO 21487:2022; EN ISO 21487:2023)
Small craft – Permanently installed petrol and diesel fuel tanks (ISO 21487:2022; EN ISO 21487:2023)

HZN/TO 22, *Cestovna vozila*

- HRN EN ISO 18246:2023 en pr
Mopedi i motocikli na električni pogon – Sigurnosni zahtjevi za vodljivo spajanje na vanjsko električno napajanje (ISO 18246:2023; EN ISO 18246:2023)
Electrically propelled mopeds and motorcycles – Safety requirements for conductive connection to an external electric power supply (ISO 18246:2023; EN ISO 18246:2023)

HZN/TO 25, *Ljevarstvo*

- HRN EN ISO 13520:2023 en pr
Određivanje sadržaja ferita u odljevcima austenitnih nehrđajućih čelika (ISO 13520:2023; EN ISO 13520:2023)
Determination of ferrite content in austenitic stainless steel castings (ISO 13520:2023; EN ISO 13520:2023)

HZN/TO 28, *Naftni proizvodi i maziva*

- HRN EN 15195:2023 en pr
Tekući naftni proizvodi – Određivanje odgode paljenja i izračunavanje cetanskog broja (DCN) srednje destilatnih goriva izgaranjem u komori konstantnog obujma (EN 15195:2023)
Liquid petroleum products – Determination of ignition delay and derived cetane number (DCN) of middle distillate fuels by combustion in a constant volume chamber (EN 15195:2023)

- HRN EN 15522-1:2023 en pr
Identifikacija izlijevanja nafte – Nafta i naftni proizvodi – 1. dio: Uzorkovanje (EN 15522-1:2023)
Oil spill identification – Petroleum and petroleum related products – Part 1: Sampling (EN 15522-1:2023)

- HRN EN 15522-2:2023 en pr
Identifikacija izlijevanja nafte – Nafta i naftni proizvodi – 2. dio: Analitička metodologija i tumačenje rezultata na temelju GC-FID i GC-MS analize niske rezolucije (EN 15522-2:2023)
Oil spill identification – Petroleum and petroleum related products – Part 2: Analytical method and interpretation of results based on GC-FID and GC-low resolution-MS analyses (EN 15522-2:2023)

- HRN EN 16568:2023 en pr
Goriva za motorna vozila – Mješavine metilnih estera masnih kiselina (FAME) s dizelskim gorivom – Određivanje oksidacijske stabilnosti metodom jako ubrzane oksidacije pri 120 °C (EN 16568:2023)
Automotive fuels – Blends of Fatty acid methyl ester (FAME) with diesel fuel – Determination of oxidation stability by rapidly accelerated oxidation method at 120 °C (EN 16568:2023)

HZN/TO 44, *Zavarivanje i srodni postupci*

- HRN EN ISO 4063:2023 en pr
Zavarivanje, tvrdo lemljenje, lemljenje i rezanje – Nomenklatura postupaka i referentni brojevi (ISO 4063:2023; EN ISO 4063:2023)
Welding, brazing, soldering and cutting – Nomenclature of processes and reference numbers (ISO 4063:2023; EN ISO 4063:2023)

- HRN EN ISO 5817:2023 en pr
Zavarivanje – Zavareni spojevi nastali taljenjem u čeliku, niklu, titanu i njihovim legurama (osim zavarivanja elektronskim snopom i laserom) – Razina kvalitete s obzirom na nepravilnosti (ISO 5817:2023; EN ISO 5817:2023)
Welding – Fusion-welded joints in steel, nickel, titanium and their alloys (beam welding excluded) – Quality levels for imperfections (ISO 5817:2023; EN ISO 5817:2023)

HZN/TO 54, *Eterična ulja*

- HRN ISO 1242:2023 en pr
Eterična ulja – Određivanje kiselinskog broja s dvije metode titracije, ručnom i automatskom (ISO 1242:2023)
Essential oils – Determination of acid value by two titration methods, manual and automatic (ISO 1242:2023)

- HRN ISO 4730:2017/A1:2023 en pr
Eterično ulje Melaleuca-e, tip terpinen-4-ol (Ulje australskog čajnog drva) – Amandman 1: Enantiomerna distribucija (ISO 4730:2017/Amd 1:2018)
Essential oil of Melaleuca, terpinen-4-ol type (Tea Tree oil) – Amendment 1: Enantiomeric distribution (ISO 4730:2017/Amd 1:2018)

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

- HRN EN ISO 22712:2023 en pr
Rashladni sustavi i dizalice topline – Osposobljenost osoblja (ISO 22712:2023; EN ISO 22712:2023)
Refrigerating systems and heat pumps – Competence of personnel (ISO 22712:2023; EN ISO 22712:2023)

HZN/TO 91, *Površinski aktivne tvari*

- HRN ISO 893:2023 en pr
Površinski aktivne tvari – Tehnički alkansulfonati – Metode analize (ISO 893:1989)
Surface active agents – Technical alkane sulfonates – Methods of analysis (ISO 893:1989)

- HRN ISO 895:2023 en pr
Površinski aktivne tvari – Tehnički natrijevi sekundarni alkilsulfati – Metode analize (ISO 895:1977)
Surface active agents – Technical sodium secondary alkylsulphates – Methods of analysis (ISO 895:1977)

HRN ISO 2131:2023 en pr
Površinski aktivne tvari – Pojednostavnjena klasifikacija (ISO 2131:1972)
Surface active agents – Simplified classification (ISO 2131:1972)

HRN ISO 4311:2023 en pr
Anionske i neionske površinski aktivne tvari – Određivanje kritične micelizacijske koncentracije – Mjerenje površinske napetosti metodom pločice, stremena ili prstena (ISO 4311:1979)
Anionic and non-ionic surface active agents – Determination of the critical micellization concentration – Method by measuring surface tension with a plate, stirrup or ring (ISO 4311:1979)

HRN ISO 4324:2023 en pr
Površinski aktivne tvari – Prašci i granule – Mjerenje naspnog kuta u mirovanju (ISO 4324:1977)
Surface active agents – Powders and granules – Measurement of the angle of repose (ISO 4324:1977)

HRN ISO 6836:2023 en pr
Površinski aktivne tvari – Tvari za mercerizaciju – Procjena djelotvornosti sredstava za kvašenje u postupku mercerizacije određivanjem brzine skupljanja pamuka (ISO 6836:1983)
Surface active agents – Mercerizing agents – Evaluation of the activity of wetting products for mercerization by determination of the shrinkage rate of cotton (ISO 6836:1983)

HRN ISO 6837:2023 en pr
Površinski aktivne tvari – Sposobnost disperzije vode u otapalima za kemijsko čišćenje (ISO 6837:1982)
Surface active agents – Water dispersing power in dry cleaning solvents (ISO 6837:1982)

HRN ISO 6840:2023 en pr
Kationske površinski aktivne tvari (hidrokloridi i hidrobromidi) – Određivanje kritične micelizacijske koncentracije – Mjerenje aktivnosti protuiona (ISO 6840:1982)
Cationic surface active agents (Hydrochlorides and hydrobromides) – Determination of critical micellization concentration – Method by measurement of counter ion activity (ISO 6840:1982)

HRN ISO 16560:2023 en pr
Površinski aktivne tvari – Određivanje sadržaja polietilenglikola u neionskim etoksiliranim površinski aktivnim tvarima – Metoda HPLC (ISO 16560:2015)
Surface active agents – Determination of polyethylene glycol content in nonionic ethoxylated surfactants – HPLC method (ISO 16560:2015)

HRN ISO 17280:2023 en pr
Površinski aktivne tvari – Određivanje ostataka 1,4-dioksana plinskom kromatografijom u površinski aktivnim tvarima dobivenim iz epoksietana (ISO 17280:2015)
Surface active agents – Determination of 1,4-dioxan residues in surfactants obtained from epoxyethane by gas chromatography (ISO 17280:2015)

HRN ISO 21703:2023 en pr
Površinski aktivne tvari – Mikrobiologija – Mikrobiološke metode ispitivanja tekućeg deterđenta za ručno pranje posuđa (ISO 21703:2019)
Surface active agents – Microbiology – Microbiological test methods for liquid hand dishwashing (ISO 21703:2019)

HRN ISO 23324:2023 en pr
Površinski aktivne tvari – Sredstva za omekšavanje tkanina – Određivanje antistatičkih svojstava (ISO 23324:2020)
Surface active agents – Fabric conditioners – Determination of antistatic performance (ISO 23324:2020)

HZN/TO 92, Zaštita od požara

HRN EN 15725:2023 en pr
Proširena primjena izvještaja o ponašanju u požaru građevnih proizvoda i građevnih elemenata: načelo EXAP norma i EXAP izvještaja (EN 15725:2023)
Extended application on the fire performance of construction products and building elements: principle of EXAP standards and EXAP reports (EN 15725:2023)

HRN EN 17020-5:2023 en pr
Proširena primjena rezultata ispitivanja trajnosti samozatvaranja za vrata i prozore koji se mogu otvoriti otpornih na požar i/ili s kontrolom propusnosti dima – 5. dio: Trajnost samozatvaranja zaokretnih i okretnih drvenih vrata (EN 17020-5:2023)
Extended application of test results on durability of self-closing for fire resistance and/or smoke control doorsets and openable windows – Part 5: Durability of self-closing of hinged and pivoted timber doorsets (EN 17020-5:2023)

HZN/TO 134, Gnojiva i poboljšivači tla

HRN EN 17816:2023 en pr
Materijali za kalcifikaciju – Određivanje fizikalnih i kemijskih svojstava i specifičnih kontaminanata (EN 17816:2023)
Liming materials – Determination of physical and chemical properties and specific contaminants (EN 17816:2023)

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

HRN EN 14758-1:2023 en pr
Plastični cijevni sustavi za netlačnu podzemnu odvodnju i kanalizaciju – Polipropilen s mineralnim modifikatorima (PP-MD) – 1. dio: Specifikacije za cijevi, spojnice i sustav (EN 14758-1:2023)
Plastics piping systems for non-pressure underground drainage and sewerage – Polypropylene with mineral modifiers (PP-MD) – Part 1: Specifications for pipes, fittings and the system (EN 14758-1:2023)

HZN/TO 145, Grafički simboli

HRN EN ISO 7010:2020/A4:2023 en pr
Grafički simboli – Boje i znakovi sigurnosti – Registrirani znakovi sigurnosti (ISO 7010:2019/Amd 4:2021; EN ISO 7010:2020/A4:2023)
Graphical symbols – Safety colours and safety signs – Registered safety signs (ISO 7010:2019/Amd 4:2021; EN ISO 7010:2020/A4:2023)

HRN EN ISO 7010:2020/A5:2023 en pr
Grafički simboli – Boje i znakovi sigurnosti – Registrirani znakovi sigurnosti (ISO 7010:2019/Amd 5:2022; EN ISO 7010:2020/A5:2023)
Graphical symbols – Safety colours and safety signs – Registered safety signs (ISO 7010:2019/Amd 5:2022; EN ISO 7010:2020/A5:2023)

HRN EN ISO 7010:2020/A6:2023 en pr
Grafički simboli – Boje i znakovi sigurnosti – Registrirani znakovi sigurnosti (ISO 7010:2019/Amd 6:2022; EN ISO 7010:2020/A6:2023)
Graphical symbols – Safety colours and safety signs – Registered safety signs (ISO 7010:2019/Amd 6:2022; EN ISO 7010:2020/A6:2023)

HZN/TO 147, Kvaliteta vode

HRN EN ISO 5667-1:2023 en pr
Kvaliteta vode – Uzorkovanje – 1. dio: Smjernice za osmišljavanje programa uzorkovanja i tehnike uzorkovanja (ISO 5667-1:2023; EN ISO 5667-1:2023)
Water quality – Sampling – Part 1: Guidance on the design of sampling programmes and sampling techniques (ISO 5667-1:2023; EN ISO 5667-1:2023)

HRN EN 16479:2023 en pr
Kvaliteta vode – Zahtjevi za izvedbu i postupci ispitivanja sukladnosti opreme za praćenje stanja vode – Automatizirane naprave za uzorkovanje (uzorkivači) vode i otpadne vode (EN 16479:2023)
Water quality – Performance requirements and conformity test procedures for water monitoring equipment – Automatic sampling devices (samplers) for water and waste water (EN 16479:2023)

HRN EN 17075:2023 en pr
Kvaliteta vode – Opći zahtjevi i postupci ispitivanja svojstava opreme za praćenje stanja vode – Uređaji za kontinuirano mjerenje (EN 17075:2018+A1:2023)
Water quality – General requirements and performance test procedures for water monitoring equipment – Continuous measuring devices (EN 17075:2018+A1:2023)

HRN EN 17805:2023 en pr
Kvaliteta vode – Uzorkovanje, prikupljanje i čuvanje okolišne DNA iz vode (EN 17805:2023)
Water quality – Sampling, capture and preservation of environmental DNA from water (EN 17805:2023)

HZN/TO 218, Drvo

HRN EN 13442:2023 en pr
Drvo i drveni podovi i drvene obloge zidova i stropova – Određivanje otpornosti na utjecaj kemikalija (EN 13442:2023)
Wood and parquet flooring and wood panelling and cladding – Determination of the resistance to chemical agents (EN 13442:2023)

HZN/TO 221, Geosintetici

HRN EN 17738:2023 en pr
Geotekstil i proizvodi srodni s geotekstilom – Oštećenja tijekom postupka ugradnje – Ispitivanje u uvjetima primjene (EN 17738:2023)
Geotextiles and geotextile-related products – Damage during installation procedure – Full scale test (EN 17738:2023)

HZN/TO 238, Čvrsta biogoriva

HRN EN ISO 17225-8:2023 en pr
Čvrsta biogoriva – Specifikacije goriva i razredi – 8. dio: Klasifikacija termički tretiranih i komprimiranih goriva iz biomase za komercijalnu i industrijsku uporabu (ISO 17225-8:2023; EN ISO 17225-8:2023)
Solid biofuels – Fuel specifications and classes – Part 8: Graded thermally treated and densified biomass fuels for commercial and industrial use (ISO 17225-8:2023; EN ISO 17225-8:2023)

HRN EN ISO 18123:2023 en pr
Čvrsta biogoriva – Određivanje hlapljivih tvari (ISO 18123:2023; EN ISO 18123:2023)
Solid biofuels – Determination of volatile matter (ISO 18123:2023; EN ISO 18123:2023)

HZN/TO 503, Metalni materijali

HRN EN ISO 3252:2023 en pr
Metalurgija praha – Terminološki rječnik (ISO 3252:2023; EN ISO 3252:2023)
Powder metallurgy – Vocabulary (ISO 3252:2023; EN ISO 3252:2023)

HZN/TO 505, Prijenos i distribucija plina

HRN EN 1474-2:2020/Ispr.1:2023 en pr
Instalacija i oprema za ukapljeni prirodni plin – Projektiranje i ispitivanje pomorskih prijenosnih sustava – 2. dio: Projektiranje i ispitivanje crijeva za pretakanje (EN 1474-2:2020/AC:2023)
Installation and equipment for liquefied natural gas – Design and testing of marine transfer systems – Part 2: Design and testing of transfer hoses (EN 1474-2:2020/AC:2023)

HZN/TO 508, Ambalaža i pakiranje

HRN EN ISO 14375:2023 en pr
Ambalaža farmaceutskih proizvoda za jednokratno otvaranje koja djeci onemogućava otvaranje – Zahtjevi i ispitivanja (ISO 14375:2018; EN ISO 14375:2023)
Child-resistant non-reclosable packaging for pharmaceutical products – Requirements and testing (ISO 14375:2018; EN ISO 14375:2023)

HRN EN 17665:2023 en pr
Ambalaža – Metode ispitivanja i zahtjevi kojima se dokazuje da plastične kapice i poklopci ostaju pričvršćeni na posudi za napitke (EN 17665:2022+A1:2023)
Packaging – Test methods and requirements to demonstrate that plastic caps and lids remain attached to beverage containers (EN 17665:2022+A1:2023)

HRN EN ISO 28862:2023 en pr
Ambalaža – Ambalaža koja djeci otežava otvaranje – Zahtjevi i postupci ispitivanja pakovina za jednokratno otvaranje nefarmaceutskih proizvoda (ISO 28862:2018; EN ISO 28862:2023)
Packaging – Child-resistant packaging – Requirements and testing procedures for non-reclosable packages for non-pharmaceutical products (ISO 28862:2018; EN ISO 28862:2023)

HZN/TO 513, Mjerne jedinice i mjerila

HRN EN 14154-4:2023 en pr
Vodomjeri – 4. dio: Dodatne mogućnosti rada (EN 14154-4:2023)
Water meters – Part 4: Additional functionalities (EN 14154-4:2023)

HZN/TO 524, Inteligentni transportni sustavi

HRI CEN ISO/TR 6026:2023 en pr
Elektronička naplata – Predstudija o korištenju informacija o registarskim pločicama vozila i tehnologije za automatsko prepoznavanje registarskih pločica (ANPR) (ISO/TR 6026:2022; CEN ISO/TR 6026:2022)
Electronic fee collection – Pre-study on the use of vehicle licence plate information and automatic number plate recognition (ANPR) technologies (ISO/TR 6026:2022; CEN ISO/TR 6026:2022)

HRN EN 15509:2023 en pr
Elektronička naplata – Interoperabilni aplikacijski profil za DSRC (EN 15509:2023)
Electronic fee collection – Interoperability application profile for DSRC (EN 15509:2023)

HRS CEN/TS 15531-4:2023 en pr
Javni prijevoz – Sučelje servisa za informiranje o statusu javnoga prijevoza u realnom vremenu – 4. dio: Funkcionalno sučelje servisa: Nadgledanje postrojenja (CEN/TS 15531-4:2021)
Public transport – Service interface for real-time information relating to public transport operations – Part 4: Functional service interfaces: Facility monitoring (CEN/TS 15531-4:2021)

HRS CEN/TS 15531-5:2023 en pr
Javni prijevoz – Sučelje servisa za informiranje u realnom vremenu o statusu javnog prijevoza – 5. dio: Funkcionalno sučelje servisa: Razmjena situacija (CEN/TS 15531-5:2022)
Public transport – Service interface for real-time information relating to public transport operations – Part 5: Functional service interfaces situation exchange: Situation exchange (CEN/TS 15531-5:2022)

HRS CEN/TS 16157-6:2023 en pr
Inteligentni transportni sustavi – DATEX II specifikacija za razmjenu podataka za upravljanje prometom i informiranje – 6. dio: Objave informacija o parkiranju (CEN/TS 16157-6:2022)
Intelligent transport systems – DATEX II data exchange specifications for traffic management and information – Part 6: Parking publications (CEN/TS 16157-6:2022)

HRS CEN/TS 16157-11:2023 en pr
Inteligentni transportni sustavi – DATEX II specifikacija za razmjenu podataka za upravljanje prometom i informiranje – 11. dio: Objave o strojno prepoznatljivim prometnim propisima (CEN/TS 16157-11:2022)
Intelligent transport systems – DATEX II data exchange specifications for traffic management and information – Part 11: Publication of machine interpretable traffic regulations (CEN/TS 16157-11:2022)

HRS CEN/TS 16157-12:2023 en pr
Inteligentni transportni sustavi – DATEX II specifikacija za razmjenu podataka za upravljanje prometom i informiranje – 12. dio: Objave koje se odnose na postrojenja (CEN/TS 16157-12:2022)
Intelligent transport systems – DATEX II data exchange specifications for traffic management and information – Part 12: Facility related publications (CEN/TS 16157-12:2022)

HRS CEN/TS 17249-5:2023 en pr
Inteligentni transportni sustavi – Elektronička sigurnost – 5. dio: Elektronički hitni poziv za UNECE kategorije L1 i L3 vozila s pogonom na dva kotača (CEN/TS 17249-5:2022)
Intelligent transport systems – eSafety – Part 5: eCall for UNECE category L1 and L3 powered two-wheeled vehicles (CEN/TS 17249-5:2022)

HRS CEN ISO/TS 17573-3:2023 en pr
Elektronička naplata – Arhitektura sustava za naplatu cestarina za vozila – 3. dio: Rječnik podataka (ISO/TS 17573-3:2021; CEN ISO/TS 17573-3:2021)
Electronic fee collection – System architecture for vehicle-related tolling – Part 3: Data dictionary (ISO/TS 17573-3:2021; CEN ISO/TS 17573-3:2021)

HRS CEN ISO/TS 21719-3:2023 en pr
Elektronička naplata – Personalizacija opreme u vozilu (OBE) – 3. dio: Uporaba elektroničke kartice (ISO/TS 21719-3:2021; CEN ISO/TS 21719-3:2021)
Electronic fee collection – Personalization of on-board equipment (OBE) – Part 3: Using integrated circuit(s) cards (ISO/TS 21719-3:2021; CEN ISO/TS 21719-3:2021)

HZN/TO 528, *Oprema za željeznice*

HRN EN 15085-3:2023 en pr
Željeznički sustav – Zavarivanje željezničkih vozila i sastavnih dijelova – 3. dio: Zahtjevi za projektiranje (EN 15085-3:2022+A1:2023)
Railway applications – Welding of railway vehicles and components – Part 3: Design requirements (EN 15085-3:2022+A1:2023)

HRN EN 15085-4:2023 en pr
Željeznički sustav – Zavarivanje željezničkih vozila i sastavnih dijelova – 4. dio: Zahtjevi za proizvodnju (EN 15085-4:2023)
Railway applications – Welding of railway vehicles and components – Part 4: Production requirements (EN 15085-4:2023)

HRN EN 15085-5:2023 en pr
Željeznički sustav – Zavarivanje željezničkih vozila i sastavnih dijelova – 5. dio: Nadzor, ispitivanje i dokumentacija (EN 15085-5:2023)
Railway applications – Welding of railway vehicles and components – Part 5: Inspection, testing and documentation (EN 15085-5:2023)

HRN EN 16729-5:2023 en pr
Željeznički sustav – Infrastruktura – Nerazorno ispitivanje tračnica u kolosijeku – 5. dio: Nerazorno ispitivanje zavara na tračnicama (EN 16729-5:2023)
Railway applications – Infrastructure – Non-destructive testing on rails in track – Part 5: Non-destructive testing on welds in track (EN 16729-5:2023)

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

HRN EN ISO 252:2023 en pr
Transportne trake – Prianjanje između sastavnih dijelova – Metode ispitivanja (ISO 252:2023; EN ISO 252:2023)
Conveyor belts – Adhesion between constitutive elements – Test methods (ISO 252:2023; EN ISO 252:2023)

HZN/TO 548, *Konstruktivski eurokodovi*

HRN EN 1990:2023 en pr
Eurokod – Osnove projektiranja konstrukcija i geotehničkog projektiranja (EN 1990:2023)
Eurocode – Basis of structural and geotechnical design (EN 1990:2023)

HRN EN 1999-1-1:2023 en pr
Eurokod 9: Projektiranje aluminijskih konstrukcija – Dio 1-1: Opća pravila (EN 1999-1-1:2023)
Eurocode 9: Design of aluminium structures – Part 1-1: General rules (EN 1999-1-1:2023)

HRN EN 1999-1-2:2023 en pr
Eurokod 9 – Projektiranje aluminijskih konstrukcija – Dio 1-2: Proračun konstrukcija na djelovanje požara (EN 1999-1-2:2023)
Eurocode 9 – Design of aluminium structures – Part 1-2: Structural fire design (EN 1999-1-2:2023)

HRN EN 1999-1-3:2023 en pr
Eurokod 9: Projektiranje aluminijskih konstrukcija – Dio 1-3: Konstrukcije osjetljive na zamor (EN 1999-1-3:2023)
Eurocode 9: Design of aluminium structures – Part 1-3: Structures susceptible to fatigue (EN 1999-1-3:2023)

HRN EN 1999-1-4:2023 en pr
Eurokod 9: Projektiranje aluminijskih konstrukcija – Dio 1-4: Hladno oblikovani konstrukcijski limovi (EN 1999-1-4:2023)
Eurocode 9: Design of aluminium structures – Part 1-4: Cold-formed structural sheeting (EN 1999-1-4:2023)

HRN EN 1999-1-5:2023 en pr
Eurokod 9 – Projektiranje aluminijskih konstrukcija – Dio 1-5: Ljuskaste konstrukcije (EN 1999-1-5:2023)
Eurocode 9 – Design of aluminium structures – Part 1-5: Shell structures (EN 1999-1-5:2023)

HZN/TO 550, *Opskrba vodom*

HRN EN 17522:2023 en pr
Design and construction of backfilled and grouted borehole heat exchangers (EN 17522:2023)

HZN/TO 554, *Obrada otpadnih voda*

HRN EN 12255-10:2023 en pr
Uređaji za pročišćivanje otpadnih voda – 10. dio: Načela sigurnosti (EN 12255-10:2023)
Wastewater treatment plants – Part 10: Safety principles (EN 12255-10:2023)

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

HRN EN 13445-2:2021/A1:2023 en pr
Neložene posude pod tlakom – 2. dio: Materijali (EN 13445-2:2021/A1:2023)
Unfired pressure vessels – Part 2: Materials (EN 13445-2:2021/A1:2023)

HZN/TO 562, *Alatni strojevi i alati*

HRN EN ISO 19085-12:2021/A11:2023 en pr
Strojevi za obradu drva – Sigurnost – 12. dio: Strojevi za izradu rukavaca i profiliranje (EN ISO 19085-12:2021/A11:2023)
Woodworking machines – Safety – Part 12: Tenoning/profiling machines (EN ISO 19085-12:2021/A11:2023)

HRN EN ISO 23582-1:2023 en pr
Strojevi za gumu i plastiku – Sustavi za stezanje – 1. dio: Sigurnosni zahtjevi za magnetske sustave za stezanje (ISO 23582-1:2023; EN ISO 23582-1:2023)
Plastics and rubber machines – Clamping systems – Part 1: Safety requirements for magnetic clamping systems (ISO 23582-1:2023; EN ISO 23582-1:2023)

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

HRN ISO 6486-2:2023 en pr
Keramičko posuđe, staklokeramičko posuđe i stakleno posuđe u dodiru s hranom – Otpuštanje olova i kadmija – 2. dio: Dopuštene granice (ISO 6486-2:1999)
Ceramic ware, glass-ceramic ware and glass dinnerware in contact with food – Release of lead and cadmium – Part 2: Permissible limits (ISO 6486-2:1999)

HRN ISO 16578:2023 en pr
Analiza molekularnih biomarkera – Zahtjevi za dokazivanje sekvenci specifičnih nukleinskih kiselina tehnikom sljedova na mikročipu („microarray“ tehnika) (ISO 16578:2022)
Molecular biomarker analysis – Requirements for microarray detection of specific nucleic acid sequences (ISO 16578:2022)

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

HRN EN 13451-11:2023 en pr
Oprema za bazene – 11. dio: Dodatni posebni sigurnosni zahtjevi i metode ispitivanja za pomične bazenske podove i pomične pregrade ugrađene u bazene za javnu uporabu (EN 13451-11:2022)
Swimming pool equipment – Part 11: Additional specific safety requirements and test methods for moveable pool floors and moveable bulkheads installed in pools for public use (EN 13451-11:2022)

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

HRN EN ISO 16387:2023 en pr
Kvaliteta tla – Učinci onečišćivača na porodicu Enchytraeidae (Enchytraeus sp.) – Određivanje učinka na razmnožavanje (ISO 16387:2023; EN ISO 16387:2023)
Soil quality – Effects of contaminants on Enchytraeidae (Enchytraeus sp.) – Determination of effects on reproduction (ISO 16387:2023; EN ISO 16387:2023)

HZN/TO 582, Informacijska sigurnost i upravljanje kontinuitetom poslovanja

HRN ISO/IEC 11770-3:2023 en pr
Informacijska sigurnost – Upravljanje ključem – 3. dio: Mehanizmi korištenja asimetričnih tehnika (ISO/IEC 11770-3:2021)
Information security – Key management – Part 3: Mechanisms using asymmetric techniques (ISO/IEC 11770-3:2021)

HRN ISO/IEC 18014-2:2023 en pr
Informacijska sigurnost – Usluge stavljanja vremenskog žiga – 2. dio: Mehanizmi koji stvaraju neovisne oznake (ISO/IEC 18014-2:2021)
Information security – Time-stamping services – Part 2: Mechanisms producing independent tokens (ISO/IEC 18014-2:2021)

HRN ISO/IEC 18033-1:2023 en pr
Informacijska sigurnost – Algoritmi šifriranja – 1. dio: Općenito (ISO/IEC 18033-1:2021)
Information security – Encryption algorithms – Part 1: General (ISO/IEC 18033-1:2021)

HRN ISO/IEC 27005:2023 en pr
Informacijska sigurnost, kibernetička sigurnost i zaštita privatnosti – Smjernice za upravljanje rizikom informacijske sigurnosti (ISO/IEC 27005:2022)
Information security, cybersecurity and privacy protection – Guidance on managing information security risks (ISO/IEC 27005:2022)

HZN/TO E2, Rotacijski strojevi

HRN EN IEC 60034-7:2022/Ispr.1:2023 en pr
Rotacijski električni strojevi – 7. dio: Klasificiranje tipova konstrukcije, načina montaže i smještaja priključne kutije (IM kod) (IEC 60034-7:2020/Corr.1:2023; EN IEC 60034-7:2022/AC:2023)
Rotating electrical machines – Part 7: Classification of types of construction, mounting arrangements and terminal box position (IM Code) (IEC 60034-7:2020/Corr.1:2023; EN IEC 60034-7:2022/AC:2023)

HZN/TO E14, Energetski transformatori

HRN EN IEC 60076-25:2023 en pr
Energetski transformatori – 25. dio: Otpornici za uzemljenje neutralnog vodiča (IEC 60076-25:2023; EN IEC 60076-25:2023)
Power transformers – Part 25: Neutral grounding resistors (IEC 60076-25:2023; EN IEC 60076-25:2023)

HZN/TO E17, Sklopni i upravljački uređaji

HRN EN IEC 60947-8:2023 en pr
Niskonaponska sklopna aparatura – 8. dio: Upravljačke jedinice za ugrađenu toplinsku zaštitu (PTC) u električne rotacijske strojeve (IEC 60947-8:2021; EN IEC 60947-8:2023)
Low-voltage switchgear and controlgear – Part 8: Control units for built-in thermal protection (PTC) for rotating electrical machines (IEC 60947-8:2021; EN IEC 60947-8:2023)

HZN/TO E20, Električni kabeli

HRN HD 620 S3:2023 en pr
Distribucijski kabeli s ekstrudiranom izolacijom za nazivne napone od 3,6/6 (7,2) kV do i uključivo 20,8/36 (42) kV (HD 620 S3:2023)
Distribution cables with extruded insulation for rated voltages from 3,6/6 (7,2) kV up to and including 20,8/36 (42) kV (HD 620 S3:2023)

HRN EN IEC 60230:2018/A1:2023 en pr
Ispitivanja udarnim naponom za kabele i kabelski pribor (IEC 60230:2018/am1:2021; EN IEC 60230:2018/A1:2023)
Impulse tests on cables and their accessories (IEC 60230:2018/am1:2021; EN IEC 60230:2018/A1:2023)

HZN/TO E31, Eksplozivne atmosfere

HRN EN 50104:2019/A1:2023 en pr
Električni uređaji za otkrivanje i mjerenje kisika – Zahtjevi za pogonska svojstva i metode ispitivanja (EN 50104:2019/A1:2023)
Electrical equipment for the detection and measurement of oxygen – Performance requirements and test methods (EN 50104:2019/A1:2023)

HZN/TO E34, Žarulje, svjetiljke i pripadna oprema

HRN EN IEC 61547:2023 en pr
Oprema za opće primjene osvjjetljavanja – Zahtjevi koji se odnose na EMK povezani s otpornošću (IEC 61547:2020; EN IEC 61547:2023)
Equipment for general lighting purposes – EMC immunity requirements (IEC 61547:2020; EN IEC 61547:2023)

HRN EN IEC 62471-7:2023 en pr
Fotobiološka sigurnost lampi i sustava s lampama – 7. dio: Izvori svjetla i svjetiljke koje primarno emitiraju vidljivo zračenje (IEC 62471-7:2023; EN IEC 62471-7:2023)
Photobiological safety of lamps and lamp systems – Part 7: Light sources and luminaires primarily emitting visible radiation (IEC 62471-7:2023; EN IEC 62471-7:2023)

HZN/TO E56, Pouzdanost

HRN EN IEC 61124:2023 en pr
Ispitivanje pouzdanosti – Ispitivanje sukladnosti konstantne učestalosti kvarova i konstantnog intenziteta kvarova sa zahtjevima (IEC 61124:2023; EN IEC 61124:2023)
Reliability testing – Compliance tests for constant failure rate and constant failure intensity (IEC 61124:2023; EN IEC 61124:2023)

HZN/TO E57, Upravljanje energetskim sustavom i pridružene komunikacije

HRN EN 62488-2:2017/Ispr.2:2023 en pr
Sustavi za komunikaciju putem elektroenergetskih vodova za primjenu u elektroprivredi – 2. dio: Terminali za analognu visokofrekvencijsku vezu po dalekovodima (APLC) (IEC 62488-2:2017/Corr.2:2023; EN 62488-2:2017/AC:2023)
Power line communication systems for power utility applications – Part 2: Analogue power line carrier terminals or APLC (IEC 62488-2:2017/Corr.2:2023; EN 62488-2:2017/AC:2023)

HZN/TO E61, Sigurnost električnih kućanskih i sličnih aparata

HRN EN IEC 60335-2-9:2023 en pr
Kućanski i slični električni aparati – Sigurnost – Dio 2-9: Posebni zahtjevi za roštilje, pržila kruha i slične prijenosne aparate za kuhanje (IEC 60335-2-9:2019; EN IEC 60335-2-9:2023)
Household and similar electrical appliances – Safety – Part 2-9: Particular requirements for grills, toasters and similar portable cooking appliances (IEC 60335-2-9:2019; EN IEC 60335-2-9:2023)

HRN EN IEC 60335-2-9:2023/A11:2023 en pr
Kućanski i slični električni aparati – Sigurnost – Dio 2-9: Posebni zahtjevi za roštilje, pržila kruha i slične prijenosne aparate za kuhanje (EN IEC 60335-2-9:2023/A11:2023)
Household and similar electrical appliances – Safety – Part 2-9: Particular requirements for grills, toasters and similar portable cooking appliances (EN IEC 60335-2-9:2023/A11:2023)

HZN/TO E79, Alarmni sustavi

HRN EN 50136-2:2013/A1:2023 en pr
Alarmni sustavi – Sustavi i uređaji za prijenos signala alarma – 2. dio: Zahtjevi za primopredajnik nadziranih objekata (SPT) (EN 50136-2:2013/A1:2023)
Alarm systems – Alarm transmission systems and equipment – Part 2: Requirements for Supervised Premises Transceiver (SPT) (EN 50136-2:2013/A1:2023)

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

HRN EN IEC 60268-23:2023 en pr
Oprema audiosustava – 23. dio: Televizori i monitori – Sustavi zvučnika (IEC 60268-23:2023; EN IEC 60268-23:2023)
Sound system equipment – Part 23: TVs and monitors – Loudspeaker systems (IEC 60268-23:2023; EN IEC 60268-23:2023)

HRN EN IEC 62087-2:2023 en pr
Audio, video i pripadajuća oprema – Određivanje potrošnje energije – 2. dio: Signali i sredstva (TA 19) (IEC 62087-2:2023; EN IEC 62087-2:2023)
Audio, video, and related equipment – Determination of power consumption – Part 2: Signals and media (TA 19) (IEC 62087-2:2023; EN IEC 62087-2:2023)

HRN EN IEC 62087-3:2023 en pr
Audio, video i pripadajuća oprema – Određivanje potrošnje energije – 3. dio: Televizijski aparati (IEC 62087-3:2023; EN IEC 62087-3:2023)
Audio, video, and related equipment – Determination of power consumption – Part 3: Television sets (IEC 62087-3:2023; EN IEC 62087-3:2023)

HZN/TO E502, Elektrotehnički aspekti telekomunikacijske opreme

HRN EN 50600-2-4:2023 en pr
Informacijska tehnologija – Sredstva i infrastrukture podatkovnih centara – Dio 2-4: Infrastruktura telekomunikacijskog kabliranja (EN 50600-2-4:2023)
Information technology – Data centre facilities and infrastructures – Part 2-4: Telecommunications cabling infrastructure (EN 50600-2-4:2023)

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

HRN EN ISO 4803:2023 en pr
Laboratorijsko stakleno posuđe – Cijevi od borosilikatnog stakla (ISO 4803:2021; EN ISO 4803:2023)
Laboratory glassware – Borosilicate glass tubing (ISO 4803:2021; EN ISO 4803:2023)

HRN EN 13523-14:2023 en pr
Prevučeni metali u namotajima – Metode ispitivanja – 14. dio: Kredanje (Helmenova metoda) (EN 13523-14:2023)
Coil coated metals – Test methods – Part 14: Chalking (Helmen method) (EN 13523-14:2023)

HZN/TU I2, Strojarsvo 2

HRN EN ISO 19749:2023 en pr
Nanotehnologije – Mjerenja veličine i distribucije oblika čestica skenirajućom elektronskom mikroskopijom (ISO 19749:2021; EN ISO 19749:2023)
Nanotechnologies – Measurements of particle size and shape distributions by scanning electron microscopy (ISO 19749:2021; EN ISO 19749:2023)

HZN/TU M1, Metalni materijali 1

HRN EN ISO 11210:2023 en pr
Nakit i plemeniti metali – Određivanje platine – Gravimetrijska metoda pomoću diamonijevog klorida (ISO 11210:2023; EN ISO 11210:2023)
Jewellery and precious metals – Determination of platinum – Gravimetry using diammonium chloride (ISO 11210:2023; EN ISO 11210:2023)

HZN/TU N1, Nemetalni materijali 1

HRN EN ISO 17092:2023 en pr
Fina keramika (napredna keramika, napredna tehnička keramika) – Određivanje otpornosti monolitne keramike na koroziju u kiselim i alkalnim otopinama (ISO 17092:2005; EN ISO 17092:2023)
Fine ceramics (advanced ceramics, advanced technical ceramics) – Determination of corrosion resistance of monolithic ceramics in acid and alkaline solutions (ISO 17092:2005; EN ISO 17092:2023)

HRN EN ISO 17947:2023 en pr
Fina keramika (napredna keramika, napredna tehnička keramika) – Metode kemijske analize sitnog praha silicijeva nitrida (ISO 17947:2014; EN ISO 17947:2023)
Fine ceramics (advanced ceramics, advanced technical ceramics) – Methods for chemical analysis of fine silicon nitride powders (ISO 17947:2014; EN ISO 17947:2023)

HRN EN ISO 20509:2023 en pr
Fina keramika (napredna keramika, napredna tehnička keramika) – Određivanje otpornosti neoksidne monolitne keramike na oksidaciju (ISO 20509:2003; EN ISO 20509:2023)
Fine ceramics (advanced ceramics, advanced technical ceramics) – Determination of oxidation resistance of non-oxide monolithic ceramics (ISO 20509:2003; EN ISO 20509:2023)

HRN EN ISO 24370:2023 en pr
Fina keramika (napredna keramika, napredna tehnička keramika) – Metoda ispitivanja žilavosti monolitne keramike na sobnoj temperaturi metodom usmjerenog Chevron ureza (CNB) (ISO 24370:2005; EN ISO 24370:2023)
Fine ceramics (advanced ceramics, advanced technical ceramics) – Test method for fracture toughness of monolithic ceramics at room temperature by chevron-notched beam (CNB) method (ISO 24370:2005; EN ISO 24370:2023)

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

HRN EN 4877-002:2023 en pr
Zrakoplovstvo – Dodatni materijali za zavarivanje – Dio 002: Odobreni dodatni materijali (EN 4877-002:2023)
Aerospace series – Filler metals for welding – Part 002: Authorized filler metals (EN 4877-002:2023)

HZN/TU U1, Opća elektrotehnika 1

HRN EN IEC 60404-12:2023 en pr
Magnetski materijali – 12. dio: Metode ispitivanja za procjenu toplinske izdržljivosti površinskih izolacijskih premaza na električnim čeličnim trakama i limovima (IEC 60404-12:2023; EN IEC 60404-12:2023)
Magnetic materials – Part 12: Methods of test for the assessment of thermal endurance of surface insulation coatings on electrical steel strip and sheet (IEC 60404-12:2023; EN IEC 60404-12:2023)

HZN/TU V1, Elektronika 1

HRN EN 50065-4-1:2023 en pr
Signalizacija na niskonaponskim električnim instalacijama u frekvencijskom opsegu 3 kHz do 148,5 kHz – Dio 4-1: Niskonaponski rastavni filtri – Opća specifikacija (EN 50065-4-1:2023)
Signalling on low-voltage electrical installations in the frequency range 3 kHz to 148,5 kHz Part 4-1: Low voltage decoupling filters – Generic specification (EN 50065-4-1:2023)

HRN EN 50065-4-3:2023 en pr
Signalizacija na niskonaponskim električnim instalacijama u frekvencijskom opsegu 3 kHz do 148,5 kHz – Dio 4-3: Niskonaponski rastavni filtri – Ulazni filter (EN 50065-4-3:2023)
Signalling on low-voltage electrical installations in the frequency range 3 kHz to 148,5 kHz – Part 4-3: Low voltage decoupling filter – Incoming filter (EN 50065-4-3:2023)

HRN EN 50065-4-4:2023 en pr
Signalizacija na niskonaponskim električnim instalacijama u frekvencijskom opsegu 3 kHz do 148,5 kHz – Dio 4-4: Niskonaponski rastavni filtri – Opća specifikacija – Filter impedancije (EN 50065-4-4:2023)
Signalling on low-voltage electrical installations in the frequency range 3 kHz to 148,5 kHz Part 4-4: Low voltage decoupling filter – Impedance filter (EN 50065-4-4:2023)

HRN EN 50065-4-5:2023 en pr
Signalizacija na niskonaponskim električnim instalacijama u frekvencijskom opsegu 3 kHz do 148,5 kHz – Dio 4-5: Niskonaponski rastavni filtri – Filter za segmentaciju (EN 50065-4-5:2023)
Signalling on low-voltage electrical installations in the frequency range 3 kHz to 148,5 kHz Part 4-5: Low voltage decoupling filter – Segmentation filter (EN 50065-4-5:2023)

HRN EN 50065-4-6:2023 en pr
Signalizacija na niskonaponskim električnim instalacijama u frekvencijskom opsegu 3 kHz do 148,5 kHz – Dio 4-6: Niskonaponski rastavni filtri – Fazna spojnica (EN 50065-4-6:2023)
Signalling on low-voltage electrical installations in the frequency range 3 kHz to 148,5 kHz Part 4-6: Low voltage decoupling filters – Phase coupler (EN 50065-4-6:2023)

HRN EN 60115-1:2023 en pr
Fiksni otpornici za uporabu u elektroničkoj opremi – 1. dio: Opća specifikacija (IEC 60115-1:2020; EN 60115-1:2023)
Fixed resistors for use in electronic equipment – Part 1: Generic specification (IEC 60115-1:2020; EN 60115-1:2023)

HRN EN IEC 60384-20:2023 en pr
Fiksni kondenzatori za uporabu u elektroničkoj opremi – 20. dio: Sekcijska specifikacija – Fiksni kondenzatori za istosmjerni napon s dielektrikom od metaliziranog filma od polifenilen sulfida za površinsku ugradnju (IEC 60384-20:2023; EN IEC 60384-20:2023)
Fixed capacitors for use in electronic equipment – Part 20: Sectional specification – Fixed metallized polyphenylene sulfide film dielectric surface mount DC capacitors (IEC 60384-20:2023; EN IEC 60384-20:2023)

HRN EN IEC 60384-23:2023 en pr
Fiksni kondenzatori za uporabu u elektroničkoj opremi – 23. dio: Sekcijska specifikacija – Fiksni kondenzatori za istosmjerni napon s dielektrikom od metaliziranog filma od polietilen naftalata za površinsku ugradnju (IEC 60384-23:2023; EN IEC 60384-23:2023)
Fixed capacitors for use in electronic equipment – Part 23: Sectional specification – Fixed metallized polyethylene naphthalate film dielectric surface mount DC capacitors (IEC 60384-23:2023; EN IEC 60384-23:2023)

HRN EN IEC 60794-1-308:2023 en pr
Svjetlovodni kabeli – Dio 1-308: Generička specifikacija – Osnovni postupci ispitivanja svjetlovodnih kabela – Metode ispitivanja elemenata kabela – Ispitivanje rezidualne torzije trake, G8 (IEC 60794-1-308:2023; EN IEC 60794-1-308:2023)
Optical fibre cables – Part 1-308: Generic specification – Basic optical cable test procedures – Cable element test methods – Ribbon residual twist test, G8 (IEC 60794-1-308:2023; EN IEC 60794-1-308:2023)

HRN EN IEC 61076-3-126:2023 en pr
Konektori za električnu i elektroničku opremu – Zahtjevi za proizvod – Dio 3-126: Pravokutni konektori – Detaljna specifikacija za 5-smjerne konektore za napajanje za industrijska okruženja s push-pull zaključavanjem (IEC 61076-3-126:2023; EN IEC 61076-3-126:2023)
Connectors for electrical and electronic equipment – Product requirements – Part 3-126: Rectangular connectors – Detail specification for 5-way power connector for industrial environments with push-pull locking (IEC 61076-3-126:2023; EN IEC 61076-3-126:2023)

HRN EN IEC 61291-2:2023 en pr
Optička pojačala – 2. dio: Jednokanalne primjene – Predložak specifikacija učinkovitosti izvedbe (IEC 61291-2:2023; EN IEC 61291-2:2023)
Optical amplifiers – Part 2: Single channel applications – Performance specification template (IEC 61291-2:2023; EN IEC 61291-2:2023)

HRN EN IEC 61969-1:2023 en pr
Mehaničke konstrukcije za električnu i elektroničku opremu – Kućišta za vanjsku montažu – 1. dio: Smjernice za projektiranje (IEC 61969-1:2023; EN IEC 61969-1:2023)
Mechanical structures for electrical and electronic equipment – Outdoor enclosures – Part 1: Design guidelines (IEC 61969-1:2023; EN IEC 61969-1:2023)

HRN EN IEC 62148-22:2023 en pr
Aktivne svjetlovodne komponente i uređaji – Norme za kućišta i sučelja – 22. dio: Izravno modulirani laserski paketi od 25 Gbit/s s jedinicom za kontrolu temperature (IEC 62148-22:2023; EN IEC 62148-22:2023)
Fibre optic active components and devices – Package and interface standards – Part 22: 25 Gbit/s directly modulated laser packages with temperature control unit (IEC 62148-22:2023; EN IEC 62148-22:2023)

HRN EN IEC 62149-12:2023 en pr
Aktivne svjetlovodne komponente i uređaji – Izvedbene norme – 12. dio: Uređaji s laserskom diodom s distribuiranom povratnom spregom za prijenos analognog radijskog signala preko optičkih sustava (IEC 62149-12:2023; EN IEC 62149-12:2023)
Fibre optic active components and devices – Performance standards – Part 12: Distributed feedback laser diode device for analogue radio over fibre systems (IEC 62149-12:2023; EN IEC 62149-12:2023)

HZN/TU W1, Energetska elektrotehnika 1

HRN EN 50631-1:2023 en pr
Kućanski aparati spojeni na električnu i inteligentnu mrežu – 1. dio: Opći zahtjevi, generičko modeliranje podataka i neutralne poruke (EN 50631-1:2023)
Household appliances network and grid connectivity – Part 1: General requirements, Generic data modelling and neutral messages (EN 50631-1:2023)

HRN EN 50631-2:2023 en pr
Kućanski aparati spojeni na električnu i inteligentnu mrežu – 2. dio: Specifično mapiranje proizvoda, detalji, zahtjevi i odstupanja (EN 50631-2:2023)
Household appliances network and grid connectivity – Part 2: product specific mappings, details, requirements and deviations (EN 50631-2:2023)

HRN EN 50631-3-1:2023 en pr
Kućanski aparati spojeni na električnu i inteligentnu mrežu
– Dio 3-1: Specifično mapiranje modela podataka SPINE i
SPINE-IoT (EN 50631-3-1:2023)
Household appliances network and grid connectivity
– Part 3-1: Specific Data Model Mapping: SPINE and
SPINE-IoT (EN 50631-3-1:2023)

HRN EN 50631-4-1:2023 en pr
Kućanski aparati spojeni na električnu i inteligentnu mrežu
– Dio 4-1: Specifični aspekti komunikacijskog protokola
SPINE, SPINE-IoT i SHIP (EN 50631-4-1:2023)
Household appliances network and grid connectivity
– Part 4-1: Communication Protocol Specific Aspects: SPINE,
SPINE-IoT and SHIP (EN 50631-4-1:2023)

HRN EN IEC 60379:2023 en pr
Ispitne metode za mjerenje radnih značajka električnih
grijalica vode za kućnu uporabu (IEC 60379:2023;
EN IEC 60379:2023)
Methods for measuring the performance of electric storage
water heaters for household purposes (IEC 60379:2023;
EN IEC 60379:2023)

HRN EN 61951-1:2017/A1:2023 en pr
Sekundarni članci i baterije koje sadrže alkalne ili druge
nekisele elektrolite – Sekundarni zapečaćeni članci i baterije
za primjenu u prijenosnim uređajima – 1. dio: Nikal-kadmij
(IEC 61951-1:2017/am1:2023; EN 61951-1:2017/A1:2023)
Secondary cells and batteries containing alkaline or
other non-acid electrolytes – Secondary sealed cells and
batteries for portable applications – Part 1: Nickel-Cadmium
(IEC 61951-1:2017/am1:2023; EN 61951-1:2017/A1:2023)

HRN EN IEC 62246-4:2023 en pr
Cijevni prekidači – 4. dio: Primjena u sprezi s magnetskim
pobuđivačem koji se upotrebljava za magnetske osjetnike
(IEC 62246-4:2023; EN IEC 62246-4:2023)
Reed switches – Part 4: Application in conjunction with
magnetic actuator used for magnetic sensing devices
(IEC 62246-4:2023; EN IEC 62246-4:2023)

HRN EN IEC 62281:2019/A2:2023 en pr
Sigurnost primarnih i sekundarnih litijevih članaka i
baterija tijekom transporta (IEC 62281:2019/am2:2023;
EN IEC 62281:2019/A2:2023)
Safety of primary and secondary lithium cells and
batteries during transport (IEC 62281:2019/am2:2023;
EN IEC 62281:2019/A2:2023)

1.2 Nacrta 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 nacрте hrvatskih norma dostavljaju se Hrvatskom zavodu za norme (uz naznaku tehničkog odbora i referencijsku oznaku nacрта 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 nacрта norma – HZNacrta, na poveznici <http://hznlive.67bricks.com/>.

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

HZN/TO 71, Beton

nHRN 1128 hr izv
Beton – Nacionalni zahtjevi uz normu HRN EN 206:2021
Concrete – National requirements to HRN EN 206:2021

1.3 Prijedlozi za prihvaćanje stranih norma u izvorniku

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

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

HZN/TO 34, *Poljoprivredni i prehrambeni proizvodi*

prEN 14105 en

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

HZN/TO 44, *Zavarivanje i srodni postupci*

prEN ISO 13585 en

Brazing – Qualification testing of brazers and brazing operators (ISO 13585:2021)
Tvrdo lemljenje – Provjera osposobljenosti lemitelja i rukovatelja lemljenjem (ISO 13585:2021)

prEN ISO 14373 en

Resistance welding – Procedure for spot welding of uncoated and coated low carbon steels (ISO/DIS 14373:2023)
Elektrotoporno zavarivanje – Postupak za točkasto zavarivanje niskougljičnih čelika s prevlakom i bez prevlake (ISO/DIS 14373:2023)

prEN ISO 14732 en

Welding personnel – Qualification testing of welding operators and weld setters for mechanized and automatic welding of metallic materials (ISO/DIS 14732:2023)
Zavarivačko osoblje – Provjera osposobljenosti rukovatelja zavarivanja i podešavatelja uređaja za mehanizirano i automatizirano zavarivanje metalnih materijala (ISO/DIS 14732:2023)

prEN ISO 15614-13 en

Specification and qualification of welding procedures for metallic materials – Welding procedure test – Part 13: Upset (resistance butt) and flash welding (ISO/DIS 15614-13:2023)
Specifikacija i kvalifikacija postupaka zavarivanja za metalne materijale – Ispitivanje postupka zavarivanja – 13. dio: Sučeljeno elektrotoporno zavarivanje pritiskom i zavarivanje iskrenjem (ISO/DIS 15614-13:2023)

prEN ISO 17672 en

Brazing – Filler metals (ISO/DIS 17672:2023)
Tvrdo lemljenje – Dodatni materijali (ISO/DIS 17672:2023)

HZN/TO 136, *Namještaj*

prEN 12520 en

Furniture – Domestic seating – Requirements for safety, strength and durability

HZN/TO 146, *Kvaliteta zraka*

prEN ISO 16000-11 en

Indoor air – Part 11: Determination of the emission of volatile organic compounds from building products and furnishing – Sampling, storage of samples and preparation of test specimens (ISO/DIS 16000-11:2023)
Zrak u zatvorenom prostoru – 11. dio: Određivanje emisije hlapljivih organskih spojeva iz građevnih proizvoda i proizvoda za namještanje prostora – Uzorkovanje, čuvanje uzoraka i priprema ispitnih uzoraka (ISO/DIS 16000-11:2023)

HZN/TO 147, *Kvaliteta vode*

prEN ISO 13165-3 en

Water quality – Radium-226 – Part 3: Test method using coprecipitation and gamma-spectrometry (ISO/DIS 13165-3:2023)
Kvaliteta vode – Radij-226 – 3. dio: Metoda ispitivanja s upotrebom sutaloženja i gama spektrometrije (ISO/DIS 13165-3:2023)

HZN/TO 159, *Ergonomija*

prEN ISO 7730 en

Ergonomics of the thermal environment – Analytical determination and interpretation of thermal comfort using calculation of the PMV and PPD indices and local thermal comfort criteria (ISO/DIS 7730:2023)
Ergonomija toplinskog okoliša – Analitičko utvrđivanje i tumačenje toplinske udobnosti uporabom izračuna PMV i PPD indeksa i lokalnih toplinskih kriterija udobnosti (ISO/DIS 7730:2023)

prEN ISO 9241-5 en

Ergonomics of human-system interaction – Part 5: Workstation layout and postural requirements (ISO/DIS 9241-5:2023)

HZN/TO 163, *Toplinska izolacija*

prEN 13172 en

Thermal insulation products – Common evaluation rules
Toplinsko-izolacijski proizvodi – Zajednička pravila vrednovanja

HZN/TO 182, *Geotehničke konstrukcije*

prEN ISO 22476-16 en

Geotechnical investigation and testing – Field testing – Part 16: Borehole shear test (ISO/DIS 22476-16:2023)

HZN/TO 215, *Zdravstvena informatika*

prEN ISO 17117-1 en

Health informatics – Terminological resources – Part 1: Characteristics (ISO 17117-1:2018)

HZN/TO 238, *Čvrsta biogoriva*

prEN ISO 18134-2 en

Solid biofuels – Determination of moisture content – Part 2: Total moisture – Simplified method (ISO/DIS 18134-2:2023)

HZN/TO 503, *Metalni materijali*

prEN 12735-2 en

Copper and copper alloys – Seamless, round tubes for air conditioning and refrigeration – Part 2: Tubes for equipment
Bakar i legure bakra – Bešavne okrugle cijevi za klimatizaciju i hlađenje – 2. dio: Cijevi za opremu

HZN/TO 524, *Inteligentni transportni sustavi*

ISO 14813-5:2020 en

Intelligent transport systems – Reference model architecture(s) for the ITS sector – Part 5: Requirements for architecture description in ITS standards
Inteligentni transportni sustavi – Referentni model arhitekture ITS sektora – 5. dio: Zahtjevi opisa arhitekture u ITS normama

HZN/TO 528, *Oprema za željeznice*

prEN 13674-1 en

Railway applications – Rail – Part 1: Vignole railway rails 46 kg/m and above

prEN 15273-1 en

Railway applications – Gauges – Part 1: General – Common rules for Rolling Stock and Infrastructure
Željeznički sustav – Profili – 1. dio: Općenito – Zajednička pravila za željeznička vozila i infrastrukturu

prEN 15273-2 en

Railway applications – Gauges – Part 2: Rolling Stock

- prEN 15273-3 en
Railway applications – Gauges – Part 3: Infrastructure
- prEN 15273-4 en
Railway applications – Gauges – Part 4: Catalogue of defined gauges
- prEN 17149-3 en
Railway applications – Strength assessment of rail vehicle structures – Part 3: Fatigue strength assessment based on cumulative damage

HZN/TO 529, Dizalice i prenosila neprekidne dobave

- EN 12999:2020/prA1 en
Cranes – Loader cranes
Granici – Pretovarni granici
- EN 13155:2020/prA1 en
Cranes – Safety – Non-fixed load lifting attachments
Granici – Sigurnost – Ovjesna sredstva

HZN/TO 531, Plastika i guma

- prEN ISO 3451-4 en
Plastics – Determination of ash – Part 4: Polyamides (ISO/DIS 3451-4:2023)
Plastika – Određivanje pepela – 4. dio Poliamidi (ISO/DIS 3451-4:2023)
- prEN ISO 22007-1 en
Plastics – Determination of thermal conductivity and thermal diffusivity – Part 1: General principles (ISO/DIS 22007-1:2023)
Plastika – Određivanje toplinske vodljivosti i toplinske difuzivnosti – 1. dio: Opća načela (ISO/DIS 22007-1:2023)

HZN/TO 534, Spremnici za teret

- prEN 17127 en
Outdoor hydrogen refuelling points dispensing gaseous hydrogen and incorporating filling protocols
Postaje na otvorenom za punjenje plinovitim vodikom s protokolom za punjenje

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

- prEN 303-2 en
Heating boilers – Part 2: Heating boilers with forced draught burners – Special requirements for boilers with atomizing oil burners
Toplovodni kotlovi – 2. dio: Toplovodni kotlovi s predtlačnim plamenikom – Posebni zahtjevi za kotlove s predtlačnim plamenicima na raspršeno ulje
- prEN 304 en
Heating boilers – Test code for heating boilers for atomizing oil burners
Toplovodni kotlovi – Postupak ispitivanja toplovodnih kotlova s predtlačnim plamenikom na raspršeno ulje
- prEN 16211 en
Ventilation for buildings – Measurement of air flow rates on site – Methods
Ventilacija u zgradama – Mjerenje protoka zraka na licu mjesta – Metode

HZN/TO 544, Strojni elementi

- prEN ISO 4766 en
Fasteners – Slotted set screws with flat point (ISO/DIS 4766:2023)
Spojni elementi – Zatični vijak s urezom i ravnim vrhom (ISO/DIS 4766:2023)
- prEN ISO 7434 en
Fasteners – Slotted set screws with cone point (ISO/DIS 7434:2023)
Spojni elementi – Zatični vijak s urezom i stožastim vrhom (ISO/DIS 7434:2023)

- prEN ISO 7435 en
Fasteners – Slotted set screws with long dog point (ISO/DIS 7435:2023)
Spojni elementi – Zatični vijak s urezom i valjkastim vrhom (ISO/DIS 7435:2023)
- prEN ISO 7436 en
Fasteners – Slotted set screws with cup point (ISO/DIS 7436:2023)
Spojni elementi – Zatični vijak s urezom i upuštenim vrhom (ISO/DIS 7436:2023)

HZN/TO 550, Opskrba vodom

- prEN 17962 en
Valves and fittings for buildings and devices to prevent pollution by backflow of potable water – Polymer parts and housings under internal pressure and without external loads

HZN/TO 555, Medicinski proizvodi

- prEN ISO 11135 en
Sterilization of health care products – Ethylene oxide – Requirements for the development, validation and routine control of a sterilization process for medical devices (ISO/DIS 11135:2023)
Sterilizacija proizvoda za zdravstvenu skrb – Etilenoksid – Zahtjevi za provedbu, vrednovanje i rutinsku kontrolu sterilizacije medicinskih proizvoda (ISO/DIS 11135:2023)
- EN ISO 11139:2018/prA1 en
Sterilization of health care products – Vocabulary of terms used in sterilization and related equipment and process standards – Amendment 1: Amended and additional terms and definition (ISO 11139:2018/DAMd 1:2023)

- prEN ISO 80369-20 en
Small-bore connectors for liquids and gases in healthcare applications – Part 20: Common test methods (ISO/DIS 80369-20:2023)
Spojnice malog promjera za tekućine i plinove za primjenu u zdravstvu – 20. dio: Opće metode ispitivanja (ISO/DIS 80369-20:2023)

HZN/TO 560, Tekstilni proizvodi

- prEN ISO 14184-3 en
Textiles – Determination of formaldehyde – Part 3: Free and hydrolysed formaldehyde (extraction method) – Determination by high pressure liquid chromatography (ISO/DIS 14184-3:2023)
- CEN/TS 17553:2022 en
Textiles and textile products – Community face coverings – Minimum requirements, methods of testing and use

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

- prEN ISO 407 en
Small medical gas cylinders – Pin-index yoke-type valve connections (ISO/FDIS 407:2023)
Male plinske boce za uporabu u medicini – Pin-indeksni priključci ventila sa stremenom (ISO/FDIS 407:2023)

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

- prEN 17952 en
Value management – Function analysis, basic characteristics: Requirements and guidance for implementation and achieving deliverables

HZN/TO 582, Informacijska sigurnost i upravljanje kontinuitetom poslovanja

- prEN ISO/IEC 27001 en
Information security, cybersecurity and privacy protection – Information security management systems – Requirements (ISO/IEC 27001:2022)
Informacijska tehnologija – Sigurnosne tehnike – Sustavi upravljanja informacijskom sigurnošću – Zahtjev (ISO/IEC 27001:2022)

HZN/TO E9, Električna oprema za željeznicu

prEN 50728 en
Railway applications – Rolling stock – Testing for electromagnetic compatibility with track circuits

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

prEN IEC 62052-31:2023 en
Electricity metering equipment (AC) – General requirements, tests and test conditions – Part 31: Product safety requirements and tests (IEC 62052-31 ED2)

HZN/TO E34, Žarulje, svjetiljke i pripadna oprema

prEN IEC 60598-1:2023 en
Luminaires – Part 1: General requirements and tests (IEC 60598-1 ED10)
Svjetiljke – 1. dio: Opći zahtjevi i ispitivanja (IEC 60598-1 ED10)

prEN IEC 60598-1/prAA:2023 en
Luminaires – Part 1: General requirements and tests
Svjetiljke – 1. dio: Opći zahtjevi i ispitivanja

prEN IEC 61347-2-13:2023 en
Controlgear for electric light sources – Safety – Part 2-13: Particular requirements for electronic controlgear for LED light sources (IEC 61347-2-13 ED3)

EN 62386-302:2017/prA1:2023 en
Digital addressable lighting interface – Part 302: Particular requirements – Input devices – Absolute input devices (IEC 62386-302/am1 ED1)
Digitalno upravljanje rasvjetom – 302. dio: Posebni zahtjevi – Ulazne naprave – Apsolutne ulazne naprave (IEC 62386-302/am1 ED1)

EN 62386-303:2017/prA1:2023 en
Digital addressable lighting interface – Part 303: Particular requirements – Input devices – Occupancy sensor (IEC 62386-303/am1 ED1)
Digitalno upravljanje rasvjetom – 303. dio: Posebni zahtjevi – Ulazne naprave – Senzor prisutnosti (IEC 62386-303/am1 ED1)

EN 62386-304:2017/prA1:2023 en
Digital addressable lighting interface – Part 304: Particular requirements – Input devices – Light sensor (IEC 62386-304/am1 ED1)
Digitalno upravljanje rasvjetom – 304. dio: Posebni zahtjevi – Ulazne naprave – Senzor svjetla (IEC 62386-304/am1 ED1)

HZN/TO E42, Visokonaponska ispitivanja

prEN IEC 60060-1:2023 en
High-voltage test techniques – Part 1: General definitions and test requirements (IEC 60060-1 ED4)
Visokonaponske ispitne tehnike – 1. dio: Opće definicije i ispitni zahtjevi (IEC 60060-1 ED4)

HZN/TO E57, Upravljanje energetskim sustavom i pridružene komunikacije

prEN IEC 61968-9:2023 en
Application integration at electric utilities – System interfaces for distribution management – Part 9: Interfaces for meter reading and control (IEC 61968-9 ED3)
Integracija aplikacija u elektroprivredi – Sučelja za sustave upravljanja u distribuciji – 9. dio: Sučelje za očitavanje i upravljanje brojljima (IEC 61968-9 ED3)

HZN/TO E61, Sigurnost električnih kućanskih i sličnih aparata

EN 60335-2-65:2003/prAC en
Household and similar electrical appliances – Safety – Part 2-65: Particular requirements for air-cleaning appliances
Kućanski i slični električni aparati – Sigurnost – Dio 2-65: Posebni zahtjevi aparata za pročišćavanje zraka

EN 60335-2-8:2015/prAC en
Household and similar electrical appliances – Safety – Part 2-8: Particular requirements for shavers, hair clippers and similar appliances
Kućanski i slični električni aparati – Sigurnost – Dio 2-8: Posebni zahtjevi za aparate za brijanje, šišanje i slične aparate

EN IEC 60335-2-90:2021/prAA en
Household and similar electrical appliances – Safety – Part 2-90: Particular requirements for commercial microwave ovens
Kućanski i slični električni aparati – Sigurnost – Dio 2-90: Posebni zahtjevi za ugostiteljske mikrovalne pećnice

HZN/TO E62, Električna oprema u medicinskoj praksi

prEN IEC 60601-2-40:2023 en
Medical electrical equipment – Part 2-40: Particular requirements for the basic safety and essential performance of electromyographs and evoked response equipment (IEC 60601-2-40 ED3)
Medicinska električna oprema – Dio 2-40: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke elektromiografa i uređaja za evocirane potencijale (IEC 60601-2-40 ED3)

HZN/TO E80, Pomorska navigacijska i radiokomunikacijska oprema i sustavi

prEN IEC 61162-1:2023 en
Maritime navigation and radiocommunication equipment and systems – Digital interfaces – Part 1: Single talker and multiple listeners (IEC 61162-1 ED6)
Pomorska navigacijska i radiokomunikacijska oprema i sustavi – Digitalna sučelja – 1. dio: Jedan govornik i više slušatelja (IEC 61162-1 ED6)

prEN IEC 61162-2:2023 en
Maritime navigation and radiocommunication equipment and systems – Digital interfaces – Part 2: Single talker and multiple listeners, high-speed transmission (IEC 61162-2 ED2)
Pomorska navigacijska i radiokomunikacijska oprema i sustavi – Digitalna sučelja – 2. dio: Jedan govornik i više slušatelja, brzi prijenos (IEC 61162-2 ED2)

prEN IEC 61162-450:2023 en
Maritime navigation and radiocommunication equipment and systems – Digital interfaces – Part 450: Multiple talkers and multiple listeners – Ethernet interconnection (IEC 61162-450 ED3)
Pomorska navigacijska i radiokomunikacijska oprema i sustavi – Digitalna sučelja – 450. dio: Više govornika i više slušatelja – Ethernet interkonekcija (IEC 61162-450 ED3)

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

prEN IEC 60268-24:2023 en
Sound system equipment – Part 24: Headphones and earphones – active acoustic noise cancelling characteristics (IEC 60268-24 ED1)

prEN IEC 60728-114:2023 en
Optical transmission systems using RfOG technology (TA5) (IEC 60728-114 ED1)

prEN IEC 63296-2:2023 en
Portable multimedia equipment – Determination of battery duration – Part 2: Headphones and earphones with active noise cancelling functions (IEC 63296-2 ED1)

HZN/TO E106, Elektromagnetska polja u ljudskome okolišu

EN 61786-1:2014/prA1:2023 en
Measurement of DC magnetic, AC magnetic and AC electric fields from 1 Hz to 100 kHz with regard to exposure of human beings – Part 1: Requirements for measuring instruments (IEC 61786-1/am1 ED1)
Mjerenje istosmjernih magnetskih te izmjeničnih magnetskih i električnih polja frekvencija od 1 Hz do 100 kHz, s obzirom na izloženost ljudi – 1. dio: Zahtjevi za mjernu opremu (IEC 61786-1/am1 ED1)

HZN/TO E500, *Elektromagnetska kompatibilnost u elektrotehnici i telekomunikacijama*

EN 55011:2016/prAB en

Industrial, scientific and medical equipment – Radio-frequency disturbance characteristics – Limits and methods of measurement

Industrijska, znanstvena i medicinska oprema – Značajke radiosmetnja – Granice i mjerne metode

HZN/TO T4, *Normizacija u telekomunikacijama*

Draft EN 303 213-8 V2.0.1:2023 en

Advanced Surface Movement Guidance and Control System (A-SMGCS) – Part 8: Community Specification for A-SMGCS guidance service

Napredni sustav navođenja i kontrole površinskog kretanja (A-SMGCS) – 8. dio: Specifikacija Zajednice za A-SMGCS sustav navođenja

Draft EN 319 122-1 V1.3.0:2023 en

Electronic Signatures and Infrastructures (ESI) – CAAdES digital signatures – Part 1: Building blocks and CAAdES baseline signatures

Elektronički potpisi i infrastrukture (ESI) – CAAdES digitalni potpisi – 1. dio: Gradbeni blokovi i CAAdES osnovni potpisi

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

prEN ISO 2811-3 en

Paints and varnishes – Determination of density – Part 3: Oscillation method (ISO/DIS 2811-3:2023)

Boje i lakovi – Određivanje gustoće – 3. dio: Oscilacijska metoda (ISO/DIS 2811-3:2023)

prEN ISO 3262-10 en

Extenders – Specifications and methods of test – Part 10: Natural talc/chlorite in lamellar form (ISO/DIS 3262-10:2023)

Punila – Specifikacije i metode ispitivanja – 10. dio: Prirodni talk/klorit u lamelarnom obliku (ISO/DIS 3262-10:2023)

prEN ISO 3262-11 en

Extenders – Specifications and methods of test – Part 11: Natural talc, in lamellar form, containing carbonates (ISO/DIS 3262-11:2023)

Punila – Specifikacije i metode ispitivanja – 11. dio: Prirodni talk u lamelarnom obliku koji sadrži karbonate (ISO/DIS 3262-11:2023)

prEN ISO 3262-17 en

Extenders – Specifications and methods of test – Part 17: Precipitated calcium silicate (ISO/DIS 3262-17:2023)

Punila – Specifikacije i metode ispitivanja – 17. dio: Istaloženi kalcijev silikat (ISO/DIS 3262-17:2023)

prEN ISO 4628-6 en

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/DIS 4628-6:2023)

Boje i lakovi – Procjena količine i veličine nedostataka te intenziteta ravnomjernih promjena izgleda – 6. dio: Ocjenjivanje stupnja kredanja metodom trake (ISO/DIS 4628-6:2023)

prEN 17700-1 en

Plant biostimulants – Claims – Part 1: General principles
Biljni biostimulansi – Tvrdnje – 1. dio: Opća načela

prEN 17700-2 en

Plant biostimulants – Claims – Part 2: Nutrient use efficiency resulting from the use of a plant biostimulant
Biljni biostimulansi – Tvrdnje – 2. dio: Učinkovitost iskorištavanja hranjivih tvari koja proizlazi iz upotrebe biljnog biostimulansa

prEN 17700-3 en

Plant biostimulants – Claims – Part 3: Tolerance to abiotic stress resulting from the use of a plant biostimulant
Biljni biostimulansi – Tvrdnje – 3. dio: Otpornost na abiotički stres koja proizlazi iz upotrebe biljnog biostimulansa

prEN 17700-4 en

Plant biostimulants – Claims – Part 4: Determination of quality traits resulting from the use of a plant biostimulant

Biljni biostimulansi – Tvrdnje – 4. dio: Određivanje obilježja kvalitete koja proizlaze iz upotrebe biljnog biostimulansa

prEN 17700-5 en

Plant biostimulants – Claims – Part 5: Determination of availability of confined nutrients in the soil or rhizosphere

Biljni biostimulansi – Tvrdnje – 5. dio: Određivanje dostupnosti hranjivih tvari zarobljenih u tlu ili rizosferi

prEN 17701-1 en

Plant biostimulants – Determination of specific elements – Part 1: Digestion by aqua regia for subsequent determination of elements

Biljni biostimulansi – Određivanje odabranih elemenata – 1. dio: Digestija zlatotopkom za naknadno određivanje elemenata

prEN 17701-2 en

Plant biostimulants – Determination of specific elements – Part 2: Determination of total content of Cd, Pb, Ni, As, Cr, Cu and Zn

Biljni biostimulansi – Određivanje odabranih elemenata – 2. dio: Određivanje ukupnog sadržaja Cd, Pb, Ni, As, Cr, Cu i Zn

prEN 17701-3 en

Plant biostimulants – Determination of specific elements – Part 3: Determination of mercury

Biljni biostimulansi – Određivanje odabranih elemenata – 3. dio: Određivanje žive

prEN 17702-1 en

Plant biostimulants – Sampling and sample preparation – Part 1: Sampling

Biljni biostimulansi – Uzorkovanje i priprema uzoraka – 1. dio: Uzorkovanje

prEN 17702-2 en

Plant biostimulants – Sampling and sample preparation – Part 2: Sample preparation

Biljni biostimulansi – Uzorkovanje i priprema uzoraka – 2. dio: Priprema uzoraka

prEN 17704 en

Plant biostimulants – Determination of dry matter
Biljni biostimulansi – Određivanje suhe tvari

prEN 17724 en

Plant biostimulants – Terminology
Biljni biostimulansi – Nazivlje

prEN ISO 18473-4 en

Functional pigments and extenders for special applications – Part 4: Nanoscale titanium dioxide for photocatalytic application (ISO 18473-4:2022)

Funkcionalni pigmenti i punila za posebne primjene – 4. dio: Titanijev dioksid nano veličine za primjenu u fotokatalizi (ISO 18473-4:2022)

prEN ISO/ASTM 52933 en

Additive manufacturing – Environment, health and safety – Test method for the hazardous substances emitted from material extrusion type 3D printers in the non-industrial places (ISO/ASTM/DIS 52933:2023)

Aktivna proizvodnja – Okoliš, zdravlje i sigurnost – Metoda ispitivanja za opasne tvari koje emitiraju 3D printeri s ekstruzijom materijala koji se upotrebljavaju na mjestima koja nisu industrijska (ISO/ASTM/DIS 52933:2023)

HZN/TU I2, *Strojarstvo 2*

prEN ISO 8529-1 en

Neutron reference radiations fields – Part 1: Characteristics and methods of production (ISO 8529-1:2021)

Referentna polja neutronskog zračenja – 1. dio: Karakteristike i metode proizvodnje (ISO 8529-1:2021)

prEN ISO 11929-4 en

Determination of the characteristic limits (decision threshold, detection limit and limits of the coverage interval) for measurements of ionizing radiation – Fundamentals and application – Part 4: Guidelines to applications (ISO 11929-4:2022)

Određivanje karakterističnih granica (prag odluke, granica detekcije i granice intervala pokrivenosti) za mjerenja ionizirajućeg zračenja – Osnove i primjena – 4. dio: Smjernice za primjenu (ISO 11929-4:2022)

prEN ISO 16796 en

Nuclear energy – Determination of Gd₂O₃ content in gadolinium fuel blends and gadolinium fuel pellets by atomic emission spectrometry using an inductively coupled plasma source (ICP-AES) (ISO 16796:2022)

Nuklearna energija – Određivanje sadržaja Gd₂O₃ u mješavinama gadolinijevog goriva i gadolinijevim peletama goriva atomskom emisijskom spektrometrijom upotrebom izvora induktivno spregnute plazme (ICP-AES) (ISO 16796:2022)

prEN ISO 21909-1 en

Passive neutron dosimetry systems – Part 1: Performance and test requirements for personal dosimetry (ISO 21909-1:2021)

Sustavi pasivne neutronske dozimetrije – 1. dio: Zahtjevi za performanse i ispitivanje za osobnu dozimetriju (ISO 21909-1:2021)

prEN ISO 21909-2 en

Passive neutron dosimetry systems – Part 2: Methodology and criteria for the qualification of personal dosimetry systems in workplaces (ISO 21909-2:2021)

Sustavi pasivne neutronske dozimetrije – 2. dio: Metodologija i kriteriji za kvalifikaciju osobnih dozimetrijskih sustava na radnim mjestima (ISO 21909-2:2021)

prEN ISO 23547 en

Measurement of radioactivity – Gamma emitting radionuclides – Reference measurement standard specifications for the calibration of gamma-ray spectrometers (ISO 23547:2022)

Mjerenje radioaktivnosti – Radionuklidi koji emitiraju gama zrake – Standardne specifikacije referentnog mjerenja za kalibraciju spektrometara gama zraka (ISO 23547:2022)

prEN ISO 24459 en

Determination of uranium content in samples coming from the nuclear fuel cycle by L-absorption edge spectrometry (ISO 24459:2021)

Određivanje sadržaja urana u uzorcima koji dolaze iz ciklusa nuklearnog goriva L-apsorpcijskom rubnom spektrometrijom (ISO 24459:2021)

HZN/TU M1, Metalni materijali 1

prEN ISO 11427 en

Jewellery and precious metals – Determination of silver in silver alloys – Potentiometry using potassium bromide (ISO/DIS 11427:2023)

Nakit i plemeniti metali – Određivanje srebra u legurama srebra – Potenciometrijska metoda upotrebom kalijeva bromida (ISO/DIS 11427:2023)

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

prEN ISO 11334-4 en

Assistive products for walking, manipulated by one arm – Requirements and test methods – Part4: Walking sticks with three or more legs (ISO/DIS 11334-4:2023)

prEN ISO 23402-3 en

Dentistry – Portable dental equipment for use in non-permanent healthcare environment – Part 3: Portable suction equipment (ISO/DIS 23402-3:2023)

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

prEN 2350 en

Aerospace series – Circuit breakers – Technical specification Zrakoplovstvo – Automatski osigurači – Tehničke specifikacije

prEN 2939 en

Aerospace series – Screw, 100° countersunk head, offset cruciform recess, threaded to head, in heat resisting steel FE-PA92HT (A286) – Classification: 900 MPa (at ambient temperature) / 650 °C

Zrakoplovstvo – Vijci, sa 100° upuštenom glavom, s ujednačenim križnim urezom, s navojem do glave, od čelika otpornog na toplinu FE-PA92HT (A286) – Klasifikacija: 900 MPa (pri temperaturi okoline)/650 °C

prEN 3475-805 en

Aerospace series – Cables, electrical, aircraft use – Test methods – Part 805: Characteristic impedance Zrakoplovstvo – Električni kabeli za upotrebu u zrakoplovstvu – Metode ispitivanja – 805. dio: Značajke otpora

prEN 3475-806 en

Aerospace series – Cables, electrical, aircraft use – Test methods – Part 806: Attenuation Zrakoplovstvo – Električni kabeli za upotrebu u zrakoplovstvu – Metode ispitivanja – 806. dio: Slabljenje

FprEN 3637 en

Aerospace series – Nut, self-locking, bi-hexagonal (double reduced), in heat resisting nickel base alloy – NI-P101HT (Waspaloy), silver plated, Classification: 1 210 MPa/730 °C Zrakoplovstvo – Maticice, samozatvarajuće, dvanaesterokutne (dvostruko skraćene), legura na bazi nikla otporna na toplinu – NI-P101HT (Waspaloy), prevučene srebrom, Klasifikacija: 1210 MPa/730 °C

prEN 3672 en

Aerospace series – Shank nut, self-locking, in heat resisting nickel base alloy NI-P101HT (Waspaloy), silver plated, for 30° swage – Classification: 1 210 MPa (at ambient temperature)/730 °C

Zrakoplovstvo – Držač matica, samozatvarajući, legura na bazi nikla otporna na toplinu NI-P101HT (Waspaloy), prevučena srebrom, za kalup od 30° – Klasifikacija: 1 210 MPa (pri temperaturi okoline)/730 °C

prEN 4473 en

Aerospace series – Aluminium pigmented organic coatings for fasteners – Technical specification Zrakoplovstvo – Aluminijski pigmentirani organski premazi za stezače – Tehnička specifikacija

prEN 4474 en

Aerospace series – Aluminium pigmented organic coatings – Coating methods Zrakoplovstvo – Premazi pigmentirani aluminijem – Metode premazivanja

prEN 4641-001 en

Aerospace series – Cables, optical – Part 001: Technical specification Zrakoplovstvo – Kabeli, optički – Dio 001: Tehnička specifikacija

prEN 4869-001 en

Aerospace series – Expanded beam termini, fibre optic non-physical contact in EN 3645 standard cavities – Part 001: Technical specification

prEN 4869-101 en

Aerospace series – Expanded beam termini, fibre optic non-physical contact in EN 3645 standard cavities – Part 101: Male termini size 16 - Technical specification

prEN 4869-102 en

Aerospace series – Expanded beam termini, fibre optic non-physical contact in EN 3645 standard cavities – Part 102: Multimode female termini size 16 – Technical specification

prEN 4869-103 en

Aerospace series – Expanded beam termini, fibre optic non-physical contact in EN 3645 standard cavities – Part 103: Multimode male termini size 12 – Technical specification

prEN 4869-104 en

Aerospace series – Expanded beam termini, fibre optic non-physical contact in EN 3645 standard cavities – Part 104: Multimode female termini size 12 – Technical specification

prEN 6050 en

Aerospace series – Pin, close tolerance, swage locking, 100° countersunk reduced head, shear type, in aluminium alloy 7050, conversion coating – Inch series

HZN/TU U1, Opća elektrotehnika 1

prEN IEC 63366:2023 en

Product category rules for life cycle assessment of electrical and electronic products and systems (IEC 63366 ED1)
Pravila kategorije proizvoda za potrebe procjene životnog ciklusa električnih i elektroničkih proizvoda i sustava (IEC 63366 ED1)

HZN/TU V1, Elektronika 1

prEN IEC 60793-1-41:2023 en

Optical fibres – Part 1-41: Measurement methods and test procedures – Bandwidth (IEC 60793-1-41 ED4)
Optička vlakna – Dio 1-41: Metode mjerenja i postupci ispitivanja – Širina pojasa (IEC 60793-1-41 ED4)

prEN IEC 60793-1-45:2023 en

Optical fibres – Part 1-45: Measurement methods and test procedures – Mode field diameter (IEC 60793-1-45 ED3)

prEN IEC 60793-2-50:2023 en

Optical fibres – Part 2-50: Product specifications – Sectional specification for class B singlemode fibres (IEC 60793-2-50 ED7)
Optička vlakna – Dio 2-50: Specifikacije proizvoda – Sekcijska specifikacija za vlakna razreda B za jedan način rada (IEC 60793-2-50 ED7)

prEN IEC 60794-1-201:2023 en

Optical fibre cables – Part 1-201: Generic specification – Basic optical cable test procedures – Temperature cycling, Method F1 (IEC 60794-1-201 ED1)

prEN IEC 60794-1-209:2023 en

Optical fibre cables – Part 1-209: Generic specification – Basic optical cable test procedures – Environmental test methods – Ageing, Method F9 (IEC 60794-1-209 ED1)

prEN IEC 61340-5-1:2023 en

Electrostatics – Part 5-1: Protection of electronic devices from electrostatic phenomena – General requirements (IEC 61340-5-1 ED3)
Elektrostatika – Dio 5-1: Zaštita elektroničkih uređaja od elektrostatičkih pojava – Opći zahtjevi (IEC 61340-5-1 ED3)

HZN/TU W1, Energetska elektrotehnika 1

prEN IEC 60704-2-2:2023 en

Household and similar electrical appliances – Test code for the determination of airborne acoustical noise – Part 2-2: Particular requirements for fan heaters (IEC 60704-2-2 ED3)

prEN IEC 61960-4:2023 en

Secondary cells and batteries containing alkaline or other non-acid electrolytes – Secondary lithium cells and batteries for portable applications – Part 4: Coin secondary lithium cells, and batteries made from them (IEC 61960-4 ED2)
Sekundarni članci i baterije koje sadrže alkalne ili druge nekisele elektrolite – Sekundarni litijevi članci i baterije za primjenu u prijenosnim uređajima – 4. dio: Dugmasti litijevi sekundarni članci i baterije načinjene od njih (IEC 61960-4 ED2)

prEN IEC 63338:2023 en

General guidance on reuse and repurposing of secondary cells and batteries (IEC 63338 ED1)

1.4 Povučene hrvatske norme

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

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

HZN/TO 6, Papir, karton i pulpe

HRN EN ISO 535:2014 en

Papir i karton – Određivanje upojnosti vode (sposobnosti upijanja vode) – Metoda po Cobbu (ISO 535:2014; EN ISO 535:2014)
Paper and board – Determination of water absorptiveness – Cobb method (ISO 535:2014; EN ISO 535:2014)
- zamijenjena s: HRN EN ISO 535:2023

HZN/TO 8, Brodogradnja

HRN EN ISO 10088:2017 en

Mala plovila – Trajno ugrađeni sustavi goriva (ISO 10088:2013; EN ISO 10088:2017)
Small craft – Permanently installed fuel systems (ISO 10088:2013; EN ISO 10088:2017)
- zamijenjena s: HRN EN ISO 10088:2023

HRN EN ISO 13590:2018 en

Mala plovila – Osobna plovila – Zahtjevi za gradnju i ugradnju sustava (ISO 13590:2003; EN ISO 13590:2018)
Small craft – Personal watercraft – Construction and system installation requirements (ISO 13590:2003; EN ISO 13590:2018)
- zamijenjena s: HRN EN ISO 13590:2023

HRN EN ISO 21487:2018 en

Mala plovila – Trajno ugrađeni spremnici za benzinsko i dizelsko gorivo (ISO 21487:2012, uključujući Amd 1:2014 i Amd 2:2015; EN ISO 21487:2018)
Small craft – Permanently installed petrol and diesel fuel tanks (ISO 21487:2012, including Amd 1:2014 and Amd 2:2015; EN ISO 21487:2018)
- zamijenjena s: HRN EN ISO 21487:2023

HZN/TO 22, Cestovna vozila

HRN EN ISO 18246:2017 en

Mopedi i motocikli na električni pogon – Sigurnosni zahtjevi za vodljivi priključak na vanjsko električno napajanje (ISO 18246:2015; EN ISO 18246:2017)
Electrically propelled mopeds and motorcycles – Safety requirements for conductive connection to an external electric power supply (ISO 18246:2015; EN ISO 18246:2017)
- zamijenjena s: HRN EN ISO 18246:2023

HZN/TO 25, Ljevarstvo

HRN EN ISO 13520:2019 en

Određivanje sadržaja ferita u odljevcima austenitnih nehrđajućih čelika (ISO 13520:2015; EN ISO 13520:2019)
Determination of ferrite content in austenitic stainless steel castings (ISO 13520:2015; EN ISO 13520:2019)
- zamijenjena s: HRN EN ISO 13520:2023

HZN/TO 28, Naftni proizvodi i maziva

HRN EN 15195:2014 en

Tekući naftni proizvodi – Određivanje odgode paljenja i izračunavanje cetanskog broja (DCN) srednje destilatnih goriva izgaranjem u komori konstantnog obujma (EN 15195:2014)
Liquid petroleum products – Determination of ignition delay and derived cetane number (DCN) of middle distillate fuels by combustion in a constant volume chamber (EN 15195:2014)
- zamijenjena s: HRN EN 15195:2023

HRI CEN/TR 15522-1:2008 en

Identifikacija izljeva nafte – Plivajuća nafta i naftni proizvodi – 1. dio: Uzorkovanje (CEN/TR 15522-1:2006)
Oil spill identification – Waterborne petroleum and petroleum products – Part 1: Sampling (CEN/TR 15522-1:2006)
- zamijenjena s: HRN EN 15522-1:2023

HRI CEN/TR 15522-2:2014 en

Identifikacija izlivanja nafte – Izlivanje nafte i naftnih proizvoda u vodu – 2. dio: Analitička metodologija i tumačenje rezultata na temelju GC-FID i GC-MS analize niske rezolucije (CEN/TR 15522-2:2012)
Oil spill identification – Waterborne petroleum and petroleum products – Part 2: Analytical methodology and interpretation of results based on GC-FID and GC-MS low resolution analyses (CEN/TR 15522-2:2012)
- zamijenjena s: HRN EN 15522-2:2023

HRN EN 16568:2015 en

Goriva za motorna vozila – Mješavine metilnih estera masnih kiselina (FAME) s dizelskim gorivom – Određivanje oksidacijske stabilnosti metodom jako ubrzane oksidacije pri 120 °C (EN 16568:2014)
Automotive fuels – Blends of Fatty acid methyl ester (FAME) with diesel fuel – Determination of oxidation stability by rapidly accelerated oxidation method at 120 °C (EN 16568:2014)
- zamijenjena s: HRN EN 16568:2023

HZN/TO 44, Zavarivanje i srodni postupci

HRN EN ISO 4063:2012 en,fr,de

Zavarivanje i srodni postupci – Nomenklatura postupaka i referentni brojevi (ISO 4063:2009, ispravljena verzija 2010-03-01; EN ISO 4063:2010)
Welding and allied processes – Nomenclature of processes and reference numbers (ISO 4063:2009, Corrected version 2010-03-01; EN ISO 4063:2010)
- zamijenjena s: HRN EN ISO 4063:2023

HRN EN ISO 5817:2014 en

Zavarivanje – Zavareni spojevi nastali taljenjem u čeliku, niklu, titanu i njihovim legurama (osim zavarivanja elektronskim snopom i laserom) – Razina kvalitete s obzirom na nepravilnosti (ISO 5817:2014; EN ISO 5817:2014)
Welding – Fusion-welded joints in steel, nickel, titanium and their alloys (beam welding excluded) – Quality levels for imperfections (ISO 5817:2014; EN ISO 5817:2014)
- zamijenjena s: HRN EN ISO 5817:2023

HZN/TO 54, Eterična ulja

HRN ISO 1242:2004 en

Eterična ulja – Određivanje kiselinskog broja (ISO 1242:1999)
Essential oils – Determination of acid value (ISO 1242:1999)
- zamijenjena s: HRN ISO 1242:2023

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

HRN EN 13313:2010 en

Rashladni sustavi i dizalice topline – Osposobljenost osoblja (EN 13313:2010)
Refrigerating systems and heat pumps – Competence of personnel (EN 13313:2010)
- zamijenjena s: HRN EN ISO 22712:2023

HZN/TO 92, Zaštita od požara

HRN EN 15725:2010 en

Proširena primjena izvještaja o ponašanju u požaru građevnih proizvoda i građevnih elemenata (EN 15725:2010)
Extended application reports on the fire performance of construction products and building elements (EN 15725:2010)
- zamijenjena s: HRN EN 15725:2023

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

HRN EN 14758-1:2012 en

Plastični cijevni sustavi za netlačnu podzemnu odvodnju i kanalizaciju – Polipropilen s mineralnim modifikatorima (PP-MD) – 1. dio: Specifikacije za cijevi, spojnice i sustav (EN 14758-1:2012)
Plastics piping systems for non-pressure underground drainage and sewerage – Polypropylene with mineral modifiers (PP-MD) – Part 1: Specifications for pipes, fittings and the system (EN 14758-1:2012)
- zamijenjena s: HRN EN 14758-1:2023

HZN/TO 147, Kvaliteta vode

HRN EN ISO 5667-1:2022 en

Kvaliteta vode – Uzorkovanje – 1. dio: Smjernice za osmišljavanje programa uzorkovanja i tehnike uzorkovanja (ISO 5667-1:2020; EN ISO 5667-1:2022)
Water quality – Sampling – Part 1: Guidance on the design of sampling programmes and sampling techniques (ISO 5667-1:2020; EN ISO 5667-1:2022)
- zamijenjena s: HRN EN ISO 5667-1:2023

HRN EN 16479:2014 en

Kvaliteta vode – Zahtjevi izvedbe i postupci ispitivanja sukladnosti opreme za praćenje stanja vode – Automatizirane naprave za uzorkovanje (uzorkivači) vode i otpadne vode (EN 16479:2014)
Water quality – Performance requirements and conformity test procedures for water monitoring equipment – Automated sampling devices (samplers) for water and waste water (EN 16479:2014)
- zamijenjena s: HRN EN 16479:2023

HRN EN 17075:2019 en

Kvaliteta vode – Opći zahtjevi i postupci ispitivanja svojstava opreme za praćenje stanja vode – Mjerni uređaji (EN 17075:2018)
Water quality – General requirements and performance test procedures for water monitoring equipment – Measuring devices (EN 17075:2018)
- zamijenjena s: HRN EN 17075:2023

HZN/TO 218, Drvo

HRN EN 13442:2013 en

Drveni podovi i drvene obloge zidova i stropova – Određivanje otpornosti na utjecaj kemikalija (EN 13442:2013)
Wood flooring and wood panelling and cladding – Determination of the resistance to chemical agents (EN 13442:2013)
- zamijenjena s: HRN EN 13442:2023

HZN/TO 238, Čvrsta biogoriva

HRN EN ISO 18123:2015 en

Čvrsta biogoriva – Određivanje udjela hlapljivih tvari (ISO 18123:2015; EN ISO 18123:2015)
Solid biofuels – Determination of the content of volatile matter (ISO 18123:2015; EN ISO 18123:2015)
- zamijenjena s: HRN EN ISO 18123:2023

HZN/TO 503, Metalni materijali

HRN EN ISO 3252:2019 en

Metalurgija praha – Terminološki rječnik (ISO 3252:2019; EN ISO 3252:2019)
Powder metallurgy – Vocabulary (ISO 3252:2019; EN ISO 3252:2019)
- zamijenjena s: HRN EN ISO 3252:2023

HZN/TO 508, Ambalaža i pakiranje

HRN EN 17665:2022 en

Ambalaža – Metode ispitivanja i zahtjevi kojima se dokazuje da plastične kapice i poklopci ostaju pričvršćeni na posudi za napitke (EN 17665:2022)
Packaging – Test methods and requirements to demonstrate that plastic caps and lids remain attached to beverage containers (EN 17665:2022)
- zamijenjena s: HRN EN 17665:2023

HZN/TO 513, Mjerne jedinice i mjerila

HRN EN 14154-4:2015 en

Vodomjeri – 4. dio: Dodatne mogućnosti rada (EN 14154-4:2014)
Water meters – Part 4: Additional functionalities (EN 14154-4:2014)
- zamijenjena s: HRN EN 14154-4:2023

HZN/TO 524, Inteligentni transportni sustavi

HRN EN 15509:2014 en

Elektronička naplata – Interoperabilni aplikacijski profil za DSRC (EN 15509:2014)
Electronic fee collection – Interoperability application profile for DSRC (EN 15509:2014)
- bez zamjene

HRS CEN/TS 15531-4:2011 en

Javni prijevoz – Sučelje servisa za informiranje o statusu javnoga prijevoza u realnom vremenu – 4. dio: Funkcionalno sučelje servisa: Nadgledanje postrojenja (CEN/TS 15531-4:2011)
Public transport – Service interface for real-time information relating to public transport operations – Part 4: Functional service interfaces: Facility Monitoring (CEN/TS 15531-4:2011)
- zamijenjena s: HRS CEN/TS 15531-4:2023

HRS CEN/TS 15531-5:2016 en

Javni prijevoz – Sučelje servisa za informiranje u realnom vremenu o statusu javnog prijevoza – 5. dio: Funkcionalno sučelje servisa: Razmjena situacija (CEN/TS 15531-5:2016)
Public transport – Service interface for real-time information relating to public transport operations – Part 5: Functional service interfaces situation exchange: Situation Exchange (CEN/TS 15531-5:2016)
- zamijenjena s: HRS CEN/TS 15531-5:2023

HRS CEN/TS 16157-6:2015 en

Inteligentni transportni sustavi – DATEX II specifikacija za razmjenu podataka za upravljanje prometom i informiranje – 6. dio: Objave informacija o parkiranju (CEN/TS 16157-6:2015)
Intelligent transport systems – DATEX II data exchange specifications for traffic management and information – Part 6: Parking Publications (CEN/TS 16157-6:2015)
- zamijenjena s: HRS CEN/TS 16157-6:2023

HRS CEN/TS 17249-5:2019 en

Inteligentni transportni sustavi – Elektronička sigurnost – 5. dio: Elektronički hitni poziv za UNECE kategorije L1 i L3 vozila s pogonom na dva kotača (CEN/TS 17249-5:2019)
Intelligent transport systems – eSafety – Part 5: eCall for UNECE Category L1 and L3 powered two-wheeled vehicles (CEN/TS 17249-5:2019)
- zamijenjena s: HRS CEN/TS 17249-5:2023

HZN/TO 528, Oprema za željeznice

HRN EN 15085-3:2022 en

Željeznički sustav – Zavarivanje željezničkih vozila i sastavnih dijelova – 3. dio: Zahtjevi za projektiranje (EN 15085-3:2022)
Railway applications – Welding of railway vehicles and components – Part 3: Design requirements (EN 15085-3:2022)
- zamijenjena s: HRN EN 15085-3:2023

HRN EN 15085-4:2008 en

Željeznički sustav – Zavarivanje željezničkih vozila i sastavnih dijelova – 4. dio: Zahtjevi za proizvodnju (EN 15085-4:2007)
Railway applications – Welding of railway vehicles and components – Part 4: Production requirements (EN 15085-4:2007)
- zamijenjena s: HRN EN 15085-4:2023

HRN EN 15085-5:2008 en

Željeznički sustav – Zavarivanje željezničkih vozila i sastavnih dijelova – 5. dio: Nadzor, ispitivanje i dokumentacija (EN 15085-5:2007)
Railway applications – Welding of railway vehicles and components – Part 5: Inspection, testing and documentation (EN 15085-5:2007)
- zamijenjena s: HRN EN 15085-5:2023

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

HRN EN ISO 252:2008 en

Conveyor belts – Adhesion between constitutive elements – Test methods (ISO 252:2007; EN ISO 252:2007)
- zamijenjena s: HRN EN ISO 252:2023

HZN/TO 554, Obrada otpadnih voda

HRN EN 12255-10:2002 en

Uređaji za pročišćivanje otpadnih voda – 10. dio: Načela sigurnosti (EN 12255-10:2000)
Wastewater treatment plants – Part 10: Safety principles (EN 12255-10:2000)
- zamijenjena s: HRN EN 12255-10:2023

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

HRN ISO 6486-2:1999 en

Keramičko posuđe u dodiru s hranom – Otpuštanje olova i kadmija – 2. dio: Dopuštene granice (ISO 6486-2:1981)
Ceramic ware in contact with food – Release of lead and cadmium – Part 2: Permissible limits (ISO 6486-2:1981)
- zamijenjena s: HRN ISO 6486-2:2023

HRN ISO 16578:2014 en

Analiza molekularnim biomarkerima – Opće definicije i zahtjevi detekciju mikrogrupiranja sekvenci specifičnih nukleinskih kiselina (ISO 16578:2013)
Molecular biomarker analysis – General definitions and requirements for microarray detection of specific nucleic acid sequences (ISO 16578:2013)
- zamijenjena s: HRN ISO 16578:2023

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

HRN EN 13451-11:2014 en

Oprema za bazene – 11. dio: Dodatni posebni sigurnosni zahtjevi i metode ispitivanja za pomične bazenske podove i pomične pregrade (EN 13451-11:2014)
Swimming pool equipment – Part 11: Additional specific safety requirements and test methods for moveable pool floors and moveable bulkheads (EN 13451-11:2014)
- zamijenjena s: HRN EN 13451-11:2023

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

HRN EN ISO 16387:2014 en

Kvaliteta tla – Učinci onečišćivača na porodicu Enchytraeidae (Enchytraeus sp.) – Određivanje učinka na razmnožavanje (ISO 16387:2014; EN ISO 16387:2014)
Soil quality – Effects of contaminants on Enchytraeidae (Enchytraeus sp.) – Determination of effects on reproduction (ISO 16387:2014; EN ISO 16387:2014)
- zamijenjena s: HRN EN ISO 16387:2023

HZN/TO 582, Informacijska sigurnost i upravljanje kontinuitetom poslovanja

HRN ISO/IEC 11770-3:2017 en

Informacijska tehnologija – Sigurnosne tehnike – Upravljanje ključem – 3. dio: Mehanizmi korištenja asimetričnih tehnika (ISO/IEC 11770-3:2015+Cor 1:2016)
Information technology – Security techniques – Key management – Part 3: Mechanisms using asymmetric techniques (ISO/IEC 11770-3:2015+Cor 1:2016)
- zamijenjena s: HRN ISO/IEC 11770-3:2023

HRN ISO/IEC 11770-3:2017/A1:2018 en

Informacijska tehnologija – Sigurnosne tehnike – Upravljanje ključem – 3. dio: Mehanizmi korištenja asimetričnih tehnika – Amandman 1: Slijepi Diffie-Hellman dogovor ključeva (ISO/IEC 11770-3:2015/Amd 1:2017)
Information technology – Security techniques – Key management – Part 3: Mechanisms using asymmetric techniques – Amendment 1: Blinded Diffie-Hellman key agreement (ISO/IEC 11770-3:2015/Amd 1:2017)
- zamijenjena s: HRN ISO/IEC 11770-3:2023

HRN ISO/IEC 18014-2:2015 en

Informacijska tehnologija – Sigurnosne tehnike – Usluge stavljanja vremenskog žiga – 2. dio: Mehanizmi koji stvaraju neovisne oznake (ISO/IEC 18014-2:2009)
Information technology – Security techniques – Time-stamping services – Part 2: Mechanisms producing independent tokens (ISO/IEC 18014-2:2009)
- zamijenjena s: HRN ISO/IEC 18014-2:2023

HRN ISO/IEC 18033-1:2017 en

Informacijska tehnologija – Sigurnosne tehnike – Algoritmi šifriranja – 1. dio: Općenito (ISO/IEC 18033-1:2015)
Information technology – Security techniques – Encryption algorithms – Part 1: General (ISO/IEC 18033-1:2015)
- zamijenjena s: HRN ISO/IEC 18033-1:2023

HRN ISO/IEC 27005:2018 en

Informacijska tehnologija – Sigurnosne tehnike – Upravljanje rizikom informacijske sigurnosti (ISO/IEC 27005:2018)
Information technology – Security techniques – Information security risk management (ISO/IEC 27005:2018)
- zamijenjena s: HRN ISO/IEC 27005:2023

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

HRN EN 61006:2005 en

Metode ispitivanja za određivanje prijelaza temperature stakla električnih izolacijskih materijala (IEC 61006:2004; EN 61006:2004)
Methods of test for the determination of the glass transition temperature of electrical insulating materials (IEC 61006:2004; EN 61006:2004)
- bez zamjene

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

HRN ISO 649-1:2001 en
Laboratorijsko stakleno posuđe – Areometri za gustoću opće namjene – 1. dio: Specifikacija (ISO 649-1:1981)
Laboratory glassware – Density hydrometers for general purposes – Part 1: Specification (ISO 649-1:1981)
- bez zamjene

HRN ISO 649-2:2001 en
Laboratorijsko stakleno posuđe – Aerometri za gustoću opće namjene – 2. dio: Metode ispitivanja i uporaba (ISO 649-2:1981)
Laboratory glassware – Density hydrometers for general purposes – Part 2: Test methods and use (ISO 649-2:1981)
- bez zamjene

HRN ISO 4805:2001 en
Laboratorijsko stakleno posuđe – Termoalkoholometri i alkoholtermohidrometri (ISO 4805:1982)
Laboratory glassware – Thermo-alcoholometers and alcohol-thermohydrometers (ISO 4805:1982)
- bez zamjene

HRN EN 13523-14:2014 en
Prevučeni metali u namotajima – Metode ispitivanja – 14. dio: Kredanje (Helmenova metoda) (EN 13523-14:2014)
Coil coated metals – Test methods – Part 14: Chalking (Helmen method) (EN 13523-14:2014)
- zamijenjena s: HRN EN 13523-14:2023

HZN/TU M1, *Metalni materijali 1*

HRN EN ISO 11210:2016 en
Nakit – Određivanje platine u legurama platine za nakit – Gravimetrijska metoda nakon taloženja diamonijeva heksakloroplatinata (ISO 11210:2014; EN ISO 11210:2016)
Jewellery – Determination of platinum in platinum jewellery alloys – Gravimetric method after precipitation of diammonium hexachloroplatinate (ISO 11210:2014; EN ISO 11210:2016)
- zamijenjena s: HRN EN ISO 11210:2023

HZN/TU N1, *Nemetalni materijali 1*

HRN EN 12923-1:2008 en
Tehnička keramika – Monolitna keramika – 1. dio: Opća praksa za poduzimanje ispitivanja korozije (EN 12923-1:2006)
Advanced technical ceramics – Monolithic ceramics – Part 1: General practice for undertaking corrosion tests (EN 12923-1:2006)
- zamijenjena s: HRN EN ISO 17092:2023

HRN EN 14425-3:2010 en
Tehnička keramika – Metode ispitivanja za određivanje žilavosti loma monolitne keramike – 3. dio: Metoda Chevron usmjerenog ureza (CNB) (EN 14425-3:2010)
Advanced technical ceramics – Test methods for determination of fracture toughness of monolithic ceramics – Part 3: Chevron notched beam (CNB) method (EN 14425-3:2010)
- zamijenjena s: HRN EN ISO 24370:2023

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 108, *Mehaničke vibracije i udari*

• umjesto

HRN ISO 13373-1:2010
Nadzor stanja i dijagnostika strojeva – **Vibracijski nadzor stanja** – 1. dio: Opći postupci (ISO 13373-1:2002)
Condition monitoring and diagnostics of machines – Vibration condition monitoring – Part 1: General procedures (ISO 13373-1:2002)

• treba biti

HRN ISO 13373-1:2010
Monitoring stanja i dijagnostika strojeva – **Monitoring stanja vibracija** – 1. dio: Opći postupci (ISO 13373-1:2002)
Condition monitoring and diagnostics of machines – Vibration condition monitoring – Part 1: General procedures (ISO 13373-1:2002)

• umjesto

HRN ISO 13373-2:2020
Nadzor stanja i dijagnostika strojeva – **Vibracijski nadzor stanja** – 2. dio: Obrada, analiza i prikazivanje vibracijskih podataka (ISO 13373-2:2016)
Condition monitoring and diagnostics of machines – Vibration condition monitoring – Part 2: Processing, analysis and presentation of vibration data (ISO 13373-2:2016)

• treba biti

HRN ISO 13373-2:2020
Monitoring stanja i dijagnostika strojeva – **Monitoring stanja vibracija** – 2. dio: Obrada, analiza i prikazivanje vibracijskih podataka (ISO 13373-2:2016)
Condition monitoring and diagnostics of machines – Vibration condition monitoring – Part 2: Processing, analysis and presentation of vibration data (ISO 13373-2:2016)

• umjesto

HRN ISO 13373-3:2020
Nadzor stanja i dijagnostika strojeva – **Vibracijski nadzor stanja** – 3. dio: Smjernice za vibracijsku dijagnostiku (ISO 13373-3:2015)
Condition monitoring and diagnostics of machines – Vibration condition monitoring – Part 3: Guidelines for vibration diagnosis (ISO 13373-3:2015)

• treba biti

HRN ISO 13373-3:2020
Monitoring stanja i dijagnostika strojeva – **Monitoring stanja vibracija** – 3. dio: Smjernice za vibracijsku dijagnostiku (ISO 13373-3:2015)
Condition monitoring and diagnostics of machines – Vibration condition monitoring – Part 3: Guidelines for vibration diagnosis (ISO 13373-3:2015)

• umjesto

HRN ISO 13373-7:2020
Nadzor stanja i dijagnostika strojeva – **Vibracijski nadzor stanja** – 7. dio: Dijagnostičke metode za strojne sklopove u **hidrauličkim** postrojenjima za proizvodnju energije i crpnim postrojenjima (ISO 13373-7:2017)
Condition monitoring and diagnostics of machines – Vibration condition monitoring – Part 7: Diagnostic techniques for machine sets in hydraulic power generating and pump-storage plants (ISO 13373-7:2017)

• treba biti

HRN ISO 13373-7:2020
Monitoring stanja i dijagnostika strojeva – **Monitoring stanja vibracija** – 7. dio: Dijagnostičke metode za strojne sklopove u **hidrauličnim** postrojenjima za proizvodnju energije i crpnim postrojenjima (ISO 13373-7:2017)
Condition monitoring and diagnostics of machines – Vibration condition monitoring – Part 7: Diagnostic techniques for machine sets in hydraulic power generating and pump-storage plants (ISO 13373-7:2017)

- **umjesto**

HRN ISO 13373-9:2020

Nadzor stanja i dijagnostika strojeva – **Vibracijski nadzor stanja** – 9. dio: Dijagnostičke metode za električne motore (ISO 13373-9:2017)

Condition monitoring and diagnostics of machines – Vibration condition monitoring – Part 9: Diagnostic techniques for electric motors (ISO 13373-9:2017)

- **treba biti**

HRN ISO 13373-9:2020

Monitoring stanja i dijagnostika strojeva – **Monitoring stanja vibracija** – 9. dio: Dijagnostičke metode za električne motore (ISO 13373-9:2017)

Condition monitoring and diagnostics of machines – Vibration condition monitoring – Part 9: Diagnostic techniques for electric motors (ISO 13373-9:2017)

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

- **umjesto**

HRN EN ISO 18119:2018

Plinske boce – **Plinske** boce i cijevi od **nehrđajućeg** čelika i **nehrđajuće** aluminijeve legure – Periodični pregled i ispitivanje (ISO 18119:2018; EN ISO 18119:2018)

Gas cylinders – Seamless steel and seamless aluminium-alloy gas cylinders and tubes – Periodic inspection and testing (ISO 18119:2018; EN ISO 18119:2018)

- **treba biti**

HRN EN ISO 18119:2018

Plinske boce – **Bešavne plinske** boce i cijevi od čelika i **bešavne plinske boce i cijevi od** aluminijeve legure – Periodični pregled i ispitivanje (ISO 18119:2018; EN ISO 18119:2018)

Gas cylinders – Seamless steel and seamless aluminium-alloy gas cylinders and tubes – Periodic inspection and testing (ISO 18119:2018; EN ISO 18119:2018)

- **umjesto**

HRN EN ISO 18119:2018/A1:2021

Plinske boce – **Plinske** boce i cijevi od **nehrđajućeg** čelika i **nehrđajuće** aluminijeve legure – Periodični pregled i ispitivanje (ISO 18119:2018/Amd 1:2021; EN ISO 18119:2018/A1:2021)

Gas cylinders – Seamless steel and seamless aluminium-alloy gas cylinders and tubes – Periodic inspection and testing (ISO 18119:2018/Amd 1:2021; EN ISO 18119:2018/A1:2021)

- **treba biti**

HRN EN ISO 18119:2018/A1:2021

Plinske boce – **Bešavne plinske** boce i cijevi od čelika i **bešavne plinske boce i cijevi od** aluminijeve legure – Periodični pregled i ispitivanje (ISO 18119:2018; EN ISO 18119:2018)

Gas cylinders – Seamless steel and seamless aluminium-alloy gas cylinders and tubes – Periodic inspection and testing (ISO 18119:2018/Amd 1:2021; EN ISO 18119:2018/A1:2021)

- **umjesto**

HRN EN ISO 7866:2013

Plinske boce – Ponovno punjive plinske boce od aluminijeve legure – Projektiranje, izrada i ispitivanje (ISO 7866:2012; EN ISO 7866:2012)

Gas cylinders – Refillable seamless aluminium alloy gas cylinders – Design, construction and testing (ISO 7866:2012; EN ISO 7866:2012)

- **treba biti**

HRN EN ISO 7866:2013

Plinske boce – Ponovno punjive **bešavne** plinske boce od aluminijeve legure – Projektiranje, izrada i ispitivanje (ISO 7866:2012; EN ISO 7866:2012)

Gas cylinders – Refillable seamless aluminium alloy gas cylinders – Design, construction and testing (ISO 7866:2012; EN ISO 7866:2012)

- **umjesto**

HRN EN ISO 7866:2013/A1:2021

Plinske boce – Ponovno punjive plinske boce od aluminijeve legure – Projektiranje, izrada i ispitivanje (ISO 7866:2012/Amd 1:2020; EN ISO 7866:2012/A1:2020)

Gas cylinders – Refillable seamless aluminium alloy gas cylinders – Design, construction and testing (ISO 7866:2012/Amd 1:2020; EN ISO 7866:2012/A1:2020)

- **treba biti**

HRN EN ISO 7866:2013/A1:2021

Plinske boce – Ponovno punjive **bešavne** plinske boce od aluminijeve legure – Projektiranje, izrada i ispitivanje (ISO 7866:2012/Amd 1:2020; EN ISO 7866:2012/A1:2020)

Gas cylinders – Refillable seamless aluminium alloy gas cylinders – Design, construction and testing (ISO 7866:2012/Amd 1:2020; EN ISO 7866:2012/A1:2020)

- **umjesto**

HRN EN ISO 7866:2013/Ispr.1:2014

Plinske boce – Ponovno punjive plinske boce od aluminijeve legure – Projektiranje, izrada i ispitivanje – Tehnički ispravak (ISO 7866:2012/Cor 1:2014; EN ISO 7866:2012/AC:2014)

Gas cylinders – Refillable seamless aluminium alloy gas cylinders – Design, construction and testing – Technical Corrigendum 1 (ISO 7866:2012/Cor 1:2014; EN ISO 7866:2012/AC:2014)

- **treba biti**

HRN EN ISO 7866:2013/Ispr.1:2014

Plinske boce – Ponovno punjive **bešavne** plinske boce od aluminijeve legure – Projektiranje, izrada i ispitivanje – Tehnički ispravak (ISO 7866:2012/Cor 1:2014; EN ISO 7866:2012/AC:2014)

Gas cylinders – Refillable seamless aluminium alloy gas cylinders – Design, construction and testing – Technical Corrigendum 1 (ISO 7866:2012/Cor 1:2014; EN ISO 7866:2012/AC:2014)

HZN/ TU U1, Opća elektrotehnika 1

- **umjesto**

HRN EN 60404-11:2013

Magnetski materijali – 11. dio: **Ispitna metoda** za određivanje **površinskog otpora izolacije** magnetskih limova i traka (IEC 60404-11:1991+am1:1998+am2:2012; EN 60404-11:2013)

Magnetic materials – Part 11: Method of test for the determination of surface insulation resistance of magnetic sheet and strip (IEC 60404-11:1991+am1:1998+am2:2012; EN 60404-11:2013)

- **treba biti**

HRN EN 60404-11:2013

Magnetski materijali – 11. dio: **Metoda ispitivanja** za određivanje **otpora površinske izolacije** magnetskih limova i traka (IEC 60404-11:1991+am1:1998+am2:2012; EN 60404-11:2013)

Magnetic materials – Part 11: Method of test for the determination of surface insulation resistance of magnetic sheet and strip (IEC 60404-11:1991+am1:1998+am2:2012; EN 60404-11:2013)

- **umjesto**

HRN EN IEC 60404-11:2021

Magnetski materijali – 11. dio: Metode mjerenja **površinskog otpora izolacije** električne čelične trake i lima (IEC 60404-11:2021; EN IEC 60404-11:2021)

Magnetic materials – Part 11: Methods of measurement of the surface insulation resistance of electrical steel strip and sheet (IEC 60404-11:2021; EN IEC 60404-11:2021)

- **treba biti**

HRN EN IEC 60404-11:2021

Magnetski materijali – 11. dio: Metode mjerenja **otpora površinske izolacije** električne čelične trake i lima (IEC 60404-11:2021; EN IEC 60404-11:2021)

Magnetic materials – Part 11: Methods of measurement of the surface insulation resistance of electrical steel strip and sheet (IEC 60404-11:2021; EN IEC 60404-11:2021)

1.7 Naslovi objavljenih hrvatskih norma na hrvatskome jeziku

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

HZN/ TO 502, *Plinski uređaji*

HRN EN 16905-3:2017 en pr
Dizalice topline s plinskim endotermnim motorom – 3. dio:
Uvjeti ispitivanja (EN 16905-3:2017)
Gas-fired endothermic engine driven heat pumps – Part 3:
Test conditions (EN 16905-3:2017)

1.10 Prijevodi hrvatskih normativnih dokumenata

HZN/TO 28, *Naftni proizvodi i maziva*

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

HRN EN 14214:2019 hr-en pr-pp
Tekući naftni proizvodi – Metilni esteri masnih kiselina (FAME) za dizelske motore i grijanje – Zahtjevi i metode ispitivanja (EN 14214:2012+A2:2019)
Liquid petroleum products – Fatty acid methyl esters (FAME) for use in diesel engines and heating applications – Requirements and test methods (EN 14214:2012+A2:2019)

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

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

HRN EN ISO 11290-1:2017 hr-en pr-pp
Mikrobiologija u lancu hrane – Horizontalna metoda za dokazivanje prisutnosti i određivanje broja *Listeria monocytogenes* i drugih *Listeria spp.* – 1. dio: Metoda dokazivanja prisutnosti (ISO 11290-1:2017; EN ISO 11290-1:2017)
Microbiology of the food chain – Horizontal method for the detection and enumeration of *Listeria monocytogenes* and other *Listeria spp.* – Part 1: Detection method (ISO 11290-1:2017; EN ISO 11290-1:2017)

HRN EN ISO 11290-2:2017 hr-en pr-pp
Mikrobiologija u lancu hrane – Horizontalna metoda za dokazivanje prisutnosti i određivanje broja *Listeria monocytogenes* i drugih *Listeria spp.* – 2. dio: Metoda određivanja broja (ISO 11290-2:2017; EN ISO 11290-2:2017)
Microbiology of the food chain – Horizontal method for the detection and enumeration of *Listeria monocytogenes* and of *Listeria spp.* – Part 2: Enumeration method (ISO 11290-2:2017; EN ISO 11290-2:2017)

HRN EN ISO 21528-2:2017 hr-en pr-pp
Mikrobiologija u lancu hrane – Horizontalna metoda za dokazivanje prisutnosti i određivanje broja *Enterobacteriaceae* – 2. dio: Postupak određivanja broja kolonija (ISO 21528-2:2017, ispravljena verzija 2018-06-01; EN ISO 21528-2:2017)
Microbiology of the food chain – Horizontal method for the detection and enumeration of *Enterobacteriaceae* – Part 2: Colony-count technique (ISO 21528-2:2017, Corrected version 2018-06-01; EN ISO 21528-2:2017)

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

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

HRN EN ISO 19011:2018 hr-en pr-pp
Smjernice za provođenje audita sustava upravljanja (ISO 19011:2018; EN ISO 19011:2018)
Guidelines for auditing management systems (ISO 19011:2018; EN ISO 19011:2018)

2 Rezultati mednarodne i evropske normizacije

Evropska normizacija (CEN)

Oznaka norme	Naslov norme	ICS	Datum objave
EN 113-3	Durability of wood and wood-based products – Test method against wood destroying basidiomycetes – Part 3: Assessment of durability of wood-based panels	79.060.01	2023-02
EN 301	Adhesives, phenolic and aminoplastic, for load-bearing timber structures – Classification and performance requirements	83.180	2023-02
EN 302-1	Adhesives for load-bearing timber structures – Test methods – Part 1: Determination of longitudinal tensile shear strength	83.180	2023-02
EN 302-2	Adhesives for load-bearing timber structures – Test methods – Part 2: Determination of resistance to delamination	83.180	2023-02
EN 302-3	Adhesives for load-bearing timber structures – Test methods – Part 3: Determination of the effect of acid damage to wood fibres by temperature and humidity cycling on the transverse tensile strength	83.180	2023-02
EN 302-4	Adhesives for load-bearing timber structures – Test methods – Part 4: Determination of the effects of wood shrinkage on the shear strength	83.180	2023-02
EN 302-5	Adhesives for load-bearing timber structures – Test methods – Part 5: Determination of maximum assembly time under referenced conditions	83.180	2023-02
EN 302-6	Adhesives for load-bearing timber structures – Test methods – Part 6: Determination of the minimum pressing time under referenced conditions	83.180	2023-02
EN 302-7	Adhesives for load-bearing timber structures – Test methods – Part 7: Determination of the working life under referenced conditions	83.180	2023-02
EN 460	Durability of wood and wood-based products – Guidance on performance	79.040	2023-02
EN 888	Chemicals used for treatment of water intended for human consumption – Iron (III) chloride	71.100.80	2023-02
EN 889	Chemicals used for treatment of water intended for human consumption – Iron (II) sulfate	71.100.80	2023-02
EN 890	Chemicals used for treatment of water intended for human consumption – Iron (III) sulfate solution	71.100.80	2023-02
EN 891	Chemicals used for treatment of water intended for human consumption – Iron (III) chloride sulfate	71.100.80	2023-02
EN 1502	Inland navigation vessels – Boarding stairs	47.020.10; 47.060	2023-02
EN 1811	Reference test method for release of nickel from all post assemblies which are inserted into pierced parts of the human body and articles intended to come into direct and prolonged contact with the skin	39.060	2023-02
EN 1875-3	Rubber- or plastics-coated fabrics – Determination of tear strength – Part 3: Trapezoidal method (five-highest-peak calculation)	59.080.40	2023-02
EN 2003-002	Aerospace series – Steels – Test methods – Part 2: Izod impact test	49.025.10	2023-02
EN 2885	Aerospace series – Screw, pan head, offset cruciform recess, coarse tolerance normal shank, short thread, in alloy steel, cadmium plated – Classification: 900 MPa (at ambient temperature)/235 °C	49.030.20	2023-02
EN 2886	Aerospace series – Screw, pan head, offset cruciform recess, close tolerance normal shank, short thread, in alloy steel, cadmium plated – Classification: 900 MPa (at ambient temperature)/235 °C	49.030.20	2023-02
EN 3879	Aerospace series – Metallic materials – Filler metal for welding – Technical specification	25.160.20; 49.025.05; 49.025.15	2023-02
EN 4056-005	Aerospace series – Cable ties for harnesses – Part 005: Plastic cable ties with metallic locking devices, operating temperatures -65 °C to 105 °C and -65 °C to 150 °C – Product standard	49.060	2023-02

Oznaka norme	Naslov norme	ICS	Datum objave
EN 4856	Aerospace series – Rotorcraft Emergency Breathing Systems (EBS) – Requirements, testing and marking	49.095	2023-02
EN 12255-11	Wastewater treatment plants – Part 11: General data required	13.060.30	2023-02
EN 12390-19	Testing of hardened concrete – Determination of electrical resistivity	91.100.30	2023-02
EN 12983-1	Cookware – Domestic cookware for use on top of a stove, cooker or hob – Part 1: General requirements	97.040.60	2023-02
EN 12983-2	Cookware – Domestic cookware for use on top of a stove, cooker or hob – Part 2: General requirements for ceramic cookware and glass lid	97.040.60	2023-02
EN 13126-3	Building hardware – Hardware for windows and door-height windows – Requirements and test methods – Part 3: Handles, primarily for Tilt and Turn, Tilt-First and Turn-Only hardware	91.190	2023-02
EN 13200-4	Spectator facilities – Part 4: Seats – Product characteristics	91.040.10; 97.200.10; 97.220.10	2023-02
EN 15425	Adhesives – One component polyurethane (PUR) for load-bearing timber structures – Classification and performance requirements	83.180	2023-02
EN 15544	One off Kachelgrundöfen/Putzgrundöfen (tiled/mortared stoves) – Dimensioning	97.100.30	2023-02
EN 16254	Adhesives – Emulsion polymer isocyanate (EPI) for load-bearing timber structures – Classification and performance requirements	83.180	2023-02
EN 16416	Geosynthetic clay barriers – Determination of water flux index – Flexible wall permeameter method at constant head	59.080.70; 91.100.50	2023-02
EN 17361	Inland navigation vessels – Outboard ladders	47.020.10; 47.060	2023-02
CEN/TR 17419-2	Digital information interchange in the insurance industry – Transfer of electronic documents – Part 2: Implementation of EN 17419-1 in Open API 3.0 specification	03.060; 35.240.20	2023-02
EN 17461	Gymnastic equipment – Individual and multifunctional vaulting boxes – Safety requirements and test methods	97.220.30	2023-02
EN 17822	Forestry machinery – Requirements for sling gear and deflection pulleys for forestal hauling operations	65.060.80	2023-02
CEN/TR 17911	Stationary source emissions – Guideline for the elaboration of standardized measurement methods – Recommendations for the structure and content	13.040.40	2023-02
CEN/CLC/TR 17919	Data protection and privacy by design and by default – Technical Report on applicability to the video surveillance industry – State of the art	35.030	2023-02
CEN/TR 17920	BIM in infrastructure – Standardization need and recommendations	35.240.67	2023-02
EN IEC 60539-1	Directly heated negative temperature coefficient thermistors – Part 1: Generic specification (IEC 60539-1:2022)	31.040.30	2023-02
EN IEC 60794-1-305	Optical fibre cables – Part 1-305: Generic specification – Basic optical cable test procedures – Cable element test methods – Ribbon tear (separability), Method G5 (IEC 60794-1-305:2023)	33.180.10	2023-02
EN IEC 61280-1-4	Fibre optic communication subsystem test procedures – Part 1-4: General communication subsystems – Light source encircled flux measurement method (IEC 61280-1-4:2023)	33.180.01	2023-02
EN IEC 62146-2	Capacitors for high-voltage alternating current circuit-breakers – Part 2: TRV capacitors (IEC 62146-2:2023)	31.060.70	2023-02
EN IEC 62149-4	Fibre optic active components and devices – Performance standards – Part 4: 1300 nm fibre optic transceivers for Gigabit Ethernet application (IEC 62149-4:2022)	33.180.20; 33.180.30	2023-02
EN IEC 62282-4-102	Fuel cell technologies – Part 4-102: Fuel cell power systems for electrically powered industrial trucks – Performance test methods (IEC 62282-4-102:2022)	27.070	2023-02
EN IEC 62343	Dynamic modules – Generic specification (IEC 62343:2023)	33.180.01; 33.180.30; 33.180.99	2023-02

Oznaka norme	Naslov norme	ICS	Datum objave
EN IEC 62351-5	Power systems management and associated information exchange – Data and communications security – Part 5: Security for IEC 60870-5 and derivatives (IEC 62351-5:2023)	33.200; 35.030	2023-02
EN IEC 62386-202	Digital addressable lighting interface – Part 202: Particular requirements for control gear – Self-contained emergency lighting (device type 1) (IEC 62386-202:2022)	29.140.50; 29.140.99; 35.240.99	2023-02
EN IEC 80601-2-59/A1	Medical electrical equipment – Part 2-59: Particular requirements for the basic safety and essential performance of screening thermographs for human febrile temperature screening (IEC 80601-2-59:2017/AMD1:2023)	11.040.55	2023-02
EN ISO 734	Oilseed meals – Determination of oil content – Extraction method with hexane (or light petroleum) (ISO 734:2023)	67.200.20	2023-02
EN ISO 1518-1	Paints and varnishes – Determination of scratch resistance – Part 1: Constant-loading method (ISO 1518-1:2023)	87.040	2023-02
EN ISO 2418	Leather – Chemical, physical, mechanical and fastness tests – Position and preparation of specimens for testing (ISO 2418:2023)	59.140.30	2023-02
EN ISO 2811-1	Paints and varnishes – Determination of density – Part 1: Pycnometer method (ISO 2811-1:2023)	87.040	2023-02
EN ISO 3630-2	Dentistry – Endodontic instruments – Part 2: Enlargers (ISO 3630-2:2023)	11.060.20	2023-02
EN ISO 4484-1	Textiles and textile products – Microplastics from textile sources – Part 1: Determination of material loss from fabrics during washing (ISO 4484-1:2023)	13.020.40; 59.080.01	2023-02
EN ISO 4618	Paints and varnishes – Vocabulary (ISO 4618:2023)	01.040.87; 87.040	2023-02
EN ISO 5263-3	Pulps – Laboratory wet disintegration – Part 3: Disintegration of mechanical pulps at $\geq 85^{\circ}\text{C}$ (ISO 5263-3:2023)	85.040	2023-02
EN ISO 5361	Anaesthetic and respiratory equipment – Tracheal tubes and connectors (ISO 5361:2023)	11.040.10	2023-02
EN ISO 5370	Solid biofuels – Determination of fines content in pellets (ISO 5370:2023)	27.190; 75.160.40	2023-02
EN ISO 7142	Binders for paints and varnishes – Epoxy resins – General methods of test (ISO 7142:2023)	87.060.20	2023-02
EN ISO 7784-1	Paints and varnishes – Determination of resistance to abrasion – Part 1: Method with abrasive-paper covered wheels and rotating test specimen (ISO 7784-1:2023)	87.040	2023-02
EN ISO 7784-2	Paints and varnishes – Determination of resistance to abrasion – Part 2: Method with abrasive rubber wheels and rotating test specimen (ISO 7784-2:2023)	87.040	2023-02
EN ISO 8536-2	Infusion equipment for medical use – Part 2: Closures for infusion bottles (ISO 8536-2:2023)	11.040.20	2023-02
CEN ISO/TR 9241-311	Ergonomics of human-system interaction – Part 311: Application of ISO 9241-307: LCD screens for workstations (ISO/TR 9241-311:2022)	13.180; 35.180	2023-02
EN ISO 10272-1/A1	Microbiology of the food chain – Horizontal method for detection and enumeration of <i>Campylobacter</i> spp. – Part 1: Detection method – Amendment 1: Inclusion of methods for molecular confirmation and identification of thermotolerant <i>Campylobacter</i> spp., the use of growth supplement in Preston broth and changes in the performance testing of culture media (ISO 10272-1:2017/Amd 1:2023)	07.100.30	2023-02
EN ISO 10272-2/A1	Microbiology of the food chain – Horizontal method for detection and enumeration of <i>Campylobacter</i> spp. – Part 2: Colony-count technique – Amendment 1: Inclusion of methods for molecular confirmation and identification of thermotolerant <i>Campylobacter</i> spp. and correction of the performance testing of the media (ISO 10272-2:2017/Amd 1:2023)	07.100.30	2023-02
EN ISO 10993-10	Biological evaluation of medical devices – Part 10: Tests for skin sensitization (ISO 10993-10:2021)	11.100.20	2023-02
EN ISO 11268-2	Soil quality – Effects of pollutants on earthworms – Part 2: Determination of effects on reproduction of <i>Eisenia fetida</i> / <i>Eisenia andrei</i> and other earthworm species (ISO 11268-2:2023)	13.080.30	2023-02

Oznaka norme	Naslov norme	ICS	Datum objave
EN ISO 11337	Plastics – Polyamides – Determination of ϵ -caprolactam and ω -laurolactam by gas chromatography (ISO 11337:2023)	83.080.20	2023-02
EN ISO 14268	Leather – Physical and mechanical tests – Determination of water vapour permeability (ISO 14268:2023)	59.140.30	2023-02
EN ISO 15213-1	Microbiology of the food chain – Horizontal method for the detection and enumeration of Clostridium spp. – Part 1: Enumeration of sulfite-reducing Clostridium spp. by colony-count technique (ISO 15213-1:2023)	07.100.30	2023-02
EN ISO 15610	Specification and qualification of welding procedures for metallic materials – Qualification based on tested welding consumables (ISO 15610:2023)	25.160.10	2023-02
EN ISO 16654/A2	Microbiology of food and animal feeding stuffs – Horizontal method for the detection of Escherichia coli O157 – Amendment 2: Inclusion of performance testing of all culture media and reagents (ISO 16654:2001/Amd 2:2023)	07.100.30	2023-02
EN ISO 19076	Leather – Measurement of leather surface – Electronic techniques (ISO 19076:2023)	59.140.30	2023-02
EN ISO 21649	Needle-free injection systems for medical use – Requirements and test methods (ISO 21649:2023)	11.040.20	2023-02
EN ISO/ASTM 52931	Additive manufacturing of metals – Environment, health and safety – General principles for use of metallic materials (ISO/ASTM 52931:2023)	13.020.01; 13.030.30; 13.100; 25.030	2023-02

Europska normizacija (CENELEC)

Oznaka norme	Naslov norme	ICS	Datum objave
CEN/CLC/TR 17919	Data protection and privacy by design and by default – Technical Report on applicability to the video surveillance industry – State of the art	35.030	2023-02
EN IEC 60539-1	Directly heated negative temperature coefficient thermistors – Part 1: Generic specification (IEC 60539-1:2022)	31.040.30	2023-02
EN IEC 60794-1-305	Optical fibre cables – Part 1-305: Generic specification – Basic optical cable test procedures – Cable element test methods – Ribbon tear (separability), Method G5 (IEC 60794-1-305:2023)	33.180.10	2023-02
EN IEC 61280-1-4	Fibre optic communication subsystem test procedures – Part 1-4: General communication subsystems – Light source encircled flux measurement method (IEC 61280-1-4:2023)	33.180.01	2023-02
EN IEC 62146-2	Capacitors for high-voltage alternating current circuit-breakers – Part 2: TRV capacitors (IEC 62146-2:2023)	31.060.70	2023-02
EN IEC 62149-4	Fibre optic active components and devices – Performance standards – Part 4: 1300 nm fibre optic transceivers for Gigabit Ethernet application (IEC 62149-4:2022)	33.180.20; 33.180.30	2023-02
EN IEC 62282-4-102	Fuel cell technologies – Part 4-102: Fuel cell power systems for electrically powered industrial trucks – Performance test methods (IEC 62282-4-102:2022)	27.070	2023-02
EN IEC 62343	Dynamic modules – Generic specification (IEC 62343:2023)	33.180.01; 33.180.30; 33.180.99	2023-02
EN IEC 62351-5	Power systems management and associated information exchange – Data and communications security – Part 5: Security for IEC 60870-5 and derivatives (IEC 62351-5:2023)	33.200; 35.030	2023-02
EN IEC 62386-202	Digital addressable lighting interface – Part 202: Particular requirements for control gear – Self-contained emergency lighting (device type 1) (IEC 62386-202:2022)	29.140.50; 29.140.99; 35.240.99	2023-02
EN IEC 80601-2-59/A1	Medical electrical equipment – Part 2-59: Particular requirements for the basic safety and essential performance of screening thermographs for human febrile temperature screening (IEC 80601-2-59:2017/AMD1:2023)	11.040.55	2023-02

Europska normizacija (ETSI)

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 102221 V 17.4.0	Smart Cards – UICC-Terminal interface – Physical and logical characteristics (Release 17)	35.240.15	2023-02
ETSI TS 102705 V 18.0.0	Smart Cards – UICC Application Programming Interface for Java Card for Contactless Applications (Release 18)	35.240.15	2023-02
ETSI TS 102723-5 V 2.0.0	Intelligent Transport Systems (ITS) – OSI cross-layer topics – Part 5: Interface between management entity and facilities layer – Release 2	35.240.60	2023-02
ETSI TS 102723-8 V 2.0.0	Intelligent Transport Systems (ITS) – OSI cross-layer topics – Part 8: Interface between security entity and network and transport layer – Release 2	35.240.60	2023-02
ETSI TS 102723-11 V 2.0.0	Intelligent Transport Systems (ITS) – OSI cross-layer topics – Part 11: Interface between networking and transport layer and facilities layer – Release 2	35.240.60	2023-02
ETSI TS 102755 V 1.1.1	Digital Video Broadcasting (DVB) – Frame structure channel coding and modulation for a second generation digital terrestrial television broadcasting system (DVB-T2)	33.170	2023-02
ETSI TS 102894-1 V 2.0.0	Intelligent Transport Systems (ITS) – Users and applications requirements – Part 1: Facility layer structure, functional requirements and specifications – Release 2	35.240.60	2023-02
ETSI TS 103300-3 V 2.2.1	Intelligent Transport Systems (ITS) – Vulnerable Road Users (VRU) awareness – Part 3: Specification of VRU awareness basic service – Release 2	35.240.60	2023-02
ETSI TR 103305-5 V 2.1.1	Cyber Security (CYBER) – Critical Security Controls for Effective Cyber Defence – Part 5: Privacy and personal data protection enhancement	33.040.99; 35.030	2023-02
ETSI TS 103574 V 2.0.0	Intelligent Transport Systems (ITS) – Congestion Control Mechanisms for C-V2X PC5 interface – Access layer part – Release 2	35.240.60	2023-02
ETSI TR 103587 V 1.2.1	Reconfigurable Radio Systems (RRS) – Feasibility study of a Radio Interface Engine (RIE)	33.060.01	2023-02
ETSI TS 103666-1 V 15.11.0	Smart Secure Platform (SSP) – Part 1: General characteristics (Release 15)	35.240.15	2023-02
ETSI TS 103666-1 V 16.7.0	Smart Secure Platform (SSP) – Part 1: General characteristics (Release 16)	35.240.15	2023-02
ETSI TS 103666-1 V 17.2.0	Smart Secure Platform (SSP) – Part 1: General characteristics (Release 17)	35.240.15	2023-02
ETSI TS 103683 V 2.1.1	Mobile Standards Group (MSG) – Testing – Next Generation eCall High Level Application Protocol (HLAP) Interoperability Testing	33.070.01	2023-02
ETSI TR 103866 V 1.1.1	Cyber Security (CYBER) – Implementation of the Revised Network and Information Security (NIS2) Directive applying Critical Security Controls	33.040.99; 35.030	2023-02
ETSI TS 103929 V 1.1.1	Cyber Security (CYBER) – Mapping of specific requirements of standardization request for RED articles 3(3)(d), 3(3)(e) and 3(3)(f) to IEC 62443-4-2 requirements and to ETSI EN 303645 provisions	33.040.99; 35.030	2023-02
ETSI TS 103938 V 2.0.0	Intelligent Transport Systems (ITS) – Vehicular Communications – Basic Set of Applications – Local Dynamic Map (LDM) – Release 2	35.240.60	2023-02
ETSI TR 119404 V 1.1.1	Electronic Signatures and Infrastructures (ESI) – NIS2 and its impact on eIDAS standards	33.040.01	2023-02
ETSI TS 128651 V 17.0.1	Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Universal Terrestrial Radio Access Network (UTRAN) Network Resource Model (NRM) Integration Reference Point (IRP) – Requirements (3GPP TS 28.651 version 17.0.1 Release 17)	33.070.50	2023-02
ETSI TS 133511 V 17.3.1	5G – Security Assurance Specification (SCAS) for the next generation Node B (gNodeB) network product class (3GPP TS 33.511 version 17.3.1 Release 17)	33.070.50	2023-02

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 136521-3 V 17.1.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – User Equipment (UE) conformance specification – Radio transmission and reception – Part 3: Radio Resource Management (RRM) conformance testing (3GPP TS 36.521-3 version 17.1.0 Release 17)	33.070.50	2023-02
ETSI TS 136523-1 V 17.4.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Packet Core (EPC) – User Equipment (UE) conformance specification – Part 1: Protocol conformance specification (3GPP TS 36.523-1 version 17.4.0 Release 17)	33.070.50	2023-02
ETSI TS 138508-1 V 17.7.0	LTE – 5G – 5GS – User Equipment (UE) conformance specification – Part 1: Common test environment (3GPP TS 38.508-1 version 17.7.0 Release 17)	33.070.99	2023-02
ETSI TS 138521-1 V 17.7.0	5G – NR – User Equipment (UE) conformance specification – Radio transmission and reception – Part 1: Range 1 standalone (3GPP TS 38.521-1 version 17.7.0 Release 17)	33.070.50	2023-02
ETSI TS 138521-2 V 17.1.0	5G – NR – User Equipment (UE) conformance specification – Radio transmission and reception – Part 2: Range 2 standalone (3GPP TS 38.521-2 version 17.1.0 Release 17)	33.070.99	2023-02
ETSI TS 138521-4 V 17.1.0	5G – NR – User Equipment (UE) conformance specification – Radio transmission and reception – Part 4: Performance (3GPP TS 38.521-4 version 17.1.0 Release 17)	33.070.99	2023-02
ETSI TS 138523-1 V 17.1.0	LTE – 5G – 5GS – User Equipment (UE) conformance specification – Part 1: Protocol (3GPP TS 38.523-1 version 17.1.0 Release 17)	33.070.99	2023-02
ETSI GS CDM 002 V 2.1.1	Common information sharing environment service and Data Model (CDM) – System Requirements definition – Release 2	35.080; 35.240.01	2023-02
ETSI GR ARF 004-1 V 1.2.1	Augmented Reality Framework (ARF) – Interoperability Requirements for AR components, systems and services – Part 1: Overview	35.040.40; 35.140	2023-02
ETSI GR NFV-IFA 044 V 5.1.1	Network Functions Virtualisation (NFV) Release 5 – Management and Orchestration – Report on Flexible VNF Deployment	35.110	2023-02
ETSI GR NFV-REL 013 V 5.1.1	Network Functions Virtualisation (NFV) Release 5 – Reliability – Report on cognitive use of operations data for reliability	35.110	2023-02
ETSI GR NFV-SEC 016 V 1.1.1	Network Functions Virtualisation (NFV) – Security – Location, locstamp and timestamp – Report on location, timestamping of VNFs	35.110	2023-02
ETSI GR SAI 009 V 1.1.1	Securing Artificial Intelligence (SAI) – Artificial Intelligence Computing Platform Security Framework	35.030; 35.240.01	2023-02
ETSI GR ZSM 011 V 1.1.1	Zero-touch network and Service Management (ZSM) – Intent-driven autonomous networks – Generic aspects	35.110	2023-02
ETSI GS MEC 040 V 3.1.1	Multi-access Edge Computing (MEC) – Federation enablement APIs	33.070.99	2023-02

Međunarodna normizacija (ISO)

Oznaka norme	Naslov norme	ICS	Datum objave
ISO/IEC TR 30172	Digital Twin – Use cases	29.020; 35.240.01	2023-02
ISO 255	Belt drives – Pulleys for V-belts (system based on datum width) – Geometrical inspection of grooves	21.220.10	2023-02
ISO 293	Plastics – Compression moulding of test specimens of thermoplastic materials	83.080.20	2023-02
ISO 583	Conveyor belts with a textile carcass – Total belt thickness and thickness of constitutive elements – Test methods	53.040.20	2023-02
ISO 1518-1	Paints and varnishes – Determination of scratch resistance – Part 1: Constant-loading method	87.040	2023-02
ISO 2171	Cereals, pulses and by-products – Determination of ash yield by incineration	67.060	2023-02
ISO 2418	Leather – Chemical, physical, mechanical and fastness tests – Position and preparation of specimens for testing	59.140.30	2023-02
ISO 3252	Powder metallurgy – Vocabulary	01.040.77; 77.160	2023-02
ISO 3630-2	Dentistry – Endodontic instruments – Part 2: Enlargers	11.060.20	2023-02
ISO 4212	Corrosion of metals and alloys – Method of oxalic acid etching test for intergranular corrosion of austenitic stainless steel	77.060	2023-02
ISO 4289	High velocity oxygen fuel (HVOF) cermet coatings for metallurgical roll components – Guidance with requirements	25.220.40	2023-02
ISO/DTR 4421	Health informatics – Introduction to Ayurveda informatics	35.240.80	2023-02
ISO 4427-2 AMD 1	Plastics piping systems for water supply, and for drainage and sewerage under pressure – Polyethylene (PE) – Part 2: Pipes; Amendment 1	23.040.20; 91.140.60; 93.025	2023-02
ISO 4484-1	Textiles and textile products – Microplastics from textile sources – Part 1: Determination of material loss from fabrics during washing	13.020.40; 59.080.01	2023-02
ISO 4618	Paints and varnishes – Vocabulary	01.040.87; 87.040	2023-02
ISO 4905	Corrosion of metals and alloys – Electrochemical test methods for high-temperature corrosion testing of metallic materials in molten salts	77.060	2023-02
ISO 4998	Steel sheet, zinc-coated and zinc-iron alloy-coated by the continuous hot-dip process, of structural quality	77.140.50	2023-02
ISO 5054-1	Specification for an enterprise canonical model – Part 1: Architecture	35.240.63	2023-02
ISO/TS 5094	Nanotechnologies – Assessment of peroxidase-like activity of metal and metal oxide nanoparticles	7.120	2023-02
ISO/TR 5255-2	Intelligent transport systems – Low-speed automated driving system (LSADS) service – Part 2: Gap analysis	03.220.20; 35.240.60	2023-02
ISO 5263-3	Pulps – Laboratory wet disintegration – Part 3: Disintegration of mechanical pulps at ≥ 85 °C	85.040	2023-02
ISO/DTR 5340	Motorcycles – Consideration for use cases of ISO 26262-12 MSIL classification	43.140	2023-02
ISO 5476	Ships and marine technology – Virtual reality and simulation training systems for lifesaving appliances and arrangements	47.020.01	2023-02
ISO 5593	Rolling bearings – Vocabulary	01.040.21; 21.100.20	2023-02
ISO 5817	Welding – Fusion-welded joints in steel, nickel, titanium and their alloys (beam welding excluded) – Quality levels for imperfections	25.160.40	2023-02
ISO 6085	Building construction machinery and equipment – Self-loading mobile concrete mixers – Safety requirements and verification	91.220	2023-02
ISO 7001	Graphical symbols – Registered public information symbols	01.080.10	2023-02
ISO/DPAS 7020	Size designation of surgical valve prostheses: Requirements regarding the application of ISO 5840-2	11.040.40	2023-02
ISO 7152	Camping tents and caravan awnings – Vocabulary	01.040.97; 97.200.30	2023-02
ISO 7582	Metallic coatings for electromagnetic interference shielding – Designation and characterization method	25.220.40	2023-02

Oznaka norme	Naslov norme	ICS	Datum objave
ISO 7784-1	Paints and varnishes – Determination of resistance to abrasion – Part 1: Method with abrasive-paper covered wheels and rotating test specimen	87.040	2023-02
ISO 7784-2	Paints and varnishes – Determination of resistance to abrasion – Part 2: Method with abrasive rubber wheels and rotating test specimen	87.040	2023-02
ISO/TR 7878	Intelligent transport systems – Mobility integration – Enterprise view	03.220.01; 35.240.60	2023-02
ISO 8062-3	Geometrical product specifications (GPS) – Dimensional and geometrical tolerances for moulded parts – Part 3: General dimensional and geometrical tolerances and machining allowances for castings using $\Delta\pm$ tolerances for indicated dimensions	17.040.10	2023-02
ISO 8270	Windows and doors – Determination of the resistance to soft and heavy body impact for doors	91.060.50	2023-02
ISO 8275	Hinged or pivoted doors – Determination of the resistance to vertical load	91.060.50	2023-02
ISO/IEC/IEEE 8802-1CB AMD 1	Information technology – Telecommunications and information exchange between systems – Local and metropolitan area networks – Specific requirements – Part 1CB: Frame replication and elimination for reliability – Amendment 1: Information model, YANG data model, and management information base module	35.110	2023-02
ISO/IEC/IEEE 8802-1CB AMD 2	Information technology – Telecommunications and information exchange between systems – Local and metropolitan area networks – Specific requirements – Part 1CB: Frame replication and elimination for reliability – Amendment 2: Extend stream identification functions	35.110	2023-02
ISO 9022-4 AMD 1	Optics and photonics – Environmental test methods – Part 4: Salt mist; Amendment 1	37.020	2023-02
ISO 9271	Decontamination of radioactively contaminated surfaces – Testing of decontamination agents for textiles	13.280	2023-02
ISO 9838	Alpine and touring ski-bindings – Test soles for ski-binding tests	97.220.20	2023-02
ISO 10282	Single-use sterile rubber surgical gloves – Specification	11.140; 83.140.99	2023-02
ISO 10394	Dentistry – Designation system for supernumerary teeth	11.060.01	2023-02
ISO/TR 10809-1	Cast irons – Part 1: Materials and properties for design	77.080.10	2023-02
ISO/TR 10993-55	Biological evaluation of medical devices – Part 55: Interlaboratory study on cytotoxicity	11.100.20	2023-02
ISO/TS 11007-2	Petroleum products and lubricants – Determination of rust-prevention characteristics of lubricating greases – Part 2: Method with water wash-out	75.100	2023-02
ISO 11210	Jewellery and precious metals – Determination of platinum – Gravimetry using ammonium chloride	39.060	2023-02
ISO 11357-1	Plastics – Differential scanning calorimetry (DSC) – Part 1: General principles	83.080.01	2023-02
ISO 11359-1	Plastics – Thermomechanical analysis (TMA) – Part 1: General principles	83.080.01	2023-02
ISO 11490	Jewellery and precious metals – Determination of palladium – Gravimetry using dimethylglyoxime	39.060	2023-02
ISO 11568	Financial services – Key management (retail)	35.240.40	2023-02
ISO 11819-1	Acoustics – Measurement of the influence of road surfaces on traffic noise – Part 1: Statistical pass-by method	17.140.30	2023-02
ISO 12233	Photography – Electronic still picture imaging – Resolution and spatial frequency responses	37.040.10	2023-02
ISO 12238	Pneumatic fluid power – Directional control valves – Measurement of shifting time	23.100.50	2023-02
ISO 12911	Organization and digitization of information about buildings and civil engineering works, including building information modelling (BIM) – Framework for specification of BIM implementation	91.010.01	2023-02

Oznaka norme	Naslov norme	ICS	Datum objave
ISO/TS 13126	Traditional Chinese medicine – Determination of ochratoxin A in natural products by liquid chromatography coupled with fluorescence detector	11.120.10	2023-02
ISO 13521	Austenitic manganese steel castings	77.140.80	2023-02
ISO 13583-1	Centrifugally cast steel and alloy products – Part 1: General testing and tolerances	77.140.80	2023-02
ISO 13583-2	Centrifugally cast steel and alloy products – Part 2: Heat-resistant materials	77.140.80	2023-02
ISO 13914	Soil, treated biowaste and sludge – Determination of dioxins and furans and dioxin-like polychlorinated biphenyls by gas chromatography with high resolution mass selective detection (HR GC-MS)	13.080.10	2023-02
ISO 14520-1	Gaseous fire-extinguishing systems – Physical properties and system design – Part 1: General requirements	13.220.10	2023-02
ISO/DTR 14799-2	Comparison of worldwide escalator and moving walk safety standards – Part 2: Abbreviated comparison and comments	91.140.90	2023-02
ISO 15024	Fibre-reinforced plastic composites – Determination of mode I interlaminar fracture toughness, GIC, for unidirectionally reinforced materials	83.120	2023-02
ISO 15031-3	Road vehicles – Communication between vehicle and external equipment for emissions-related diagnostics – Part 3: Diagnostic connector and related electrical circuits: Specification and use	13.040.50; 43.040.10; 43.180	2023-02
ISO 15500-13	Road vehicles – Compressed natural gas (CNG) fuel system components – Part 13: Pressure relief device (PRD)	43.060.40	2023-02
ISO 15500-21	Road vehicles – Compressed natural gas (CNG) fuel system components – Part 21: Discharge line closures	43.060.40	2023-02
ISO 15610	Specification and qualification of welding procedures for metallic materials – Qualification based on tested welding consumables	25.160.10	2023-02
ISO 15671	Rubber and rubber products – Determination of total sulfur content using an automatic analyser	83.060	2023-02
ISO/TR 16153	Determination of uncertainty for volume measurements of a piston-operated volumetric apparatus using a photometric method	17.060	2023-02
ISO 16399	Agricultural irrigation equipment – Meters for irrigation water	65.060.35	2023-02
ISO 16610-62	Geometrical product specifications (GPS) – Filtration – Part 62: Linear areal filters: spline filters	17.040.20; 17.040.40	2023-02
ISO 16976-4	Respiratory protective devices – Human factors – Part 4: Work of breathing and breathing resistance: physiologically based limits	13.340.30	2023-02
ISO 16976-6	Respiratory protective devices – Human factors – Part 6: Psycho-physiological effects	13.340.30	2023-02
ISO 16976-8	Respiratory protective devices – Human factors – Part 8: Ergonomic factors	13.340.30	2023-02
ISO/TS 17251	Health informatics – Business requirements for a syntax to exchange structured dose information for medicinal products	35.240.80	2023-02
ISO/TS 17996	Cheese – Determination of rheological properties by uniaxial compression at constant displacement rate	67.100.30	2023-02
ISO/IEC 18047-63	Information technology – Radio frequency identification device conformance test methods – Part 63: Test methods for air interface communications at 860 MHz to 960 MHz	35.040.50	2023-02
ISO 18245	Retail financial services – Merchant category codes	3.060	2023-02
ISO 18251-2	Non-destructive testing – Infrared thermography – Part 2: Test method for integrated performance of system and equipment	19.100	2023-02
ISO/IEC 18477-4 Technical Corrigendum 1	Information technology – Scalable compression and coding of continuous-tone still images – Part 4: Conformance testing; Technical Corrigendum 1	35.040.30	2023-02
ISO 19095-5	Plastics – Evaluation of the adhesion interface performance in plastic-metal assemblies – Part 5: Fracture energy	83.180	2023-02

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ISO/TS 19392-6	Paints and varnishes – Coating systems for wind-turbine rotor blades – Part 6: Determination and evaluation of ice adhesion using centrifuge	87.040	2023-02
ISO 19438	Diesel fuel and petrol filters for internal combustion engines – Filtration efficiency using particle counting and contaminant retention capacity	43.060.40	2023-02
ISO/IEC 19566-8	Information technologies – JPEG systems – Part 8: JPEG Snack	35.040.30	2023-02
ISO 19960	Cast steels and alloys with special physical properties	77.140.80	2023-02
ISO 20181	Stationary source emissions – Quality assurance of automated measuring systems	13.040.40	2023-02
ISO 20290-5	Aggregates for concrete – Test methods for mechanical and physical properties – Part 5: Determination of particle size distribution by sieving method	91.100.30	2023-02
ISO/TR 20461	Determination of uncertainty for volume measurements of a piston-operated volumetric apparatus using a gravimetric method	17.060	2023-02
ISO 20766-7	Road vehicles – Liquefied petroleum gas (LPG) fuel system components – Part 7: Remotely controlled service valve with excess flow valve	43.060.40	2023-02
ISO 20766-8	Road vehicles – Liquefied petroleum gas (LPG) fuel system components – Part 8: Fuel pump	43.060.40	2023-02
ISO 20766-15	Road vehicles – Liquefied petroleum gas (LPG) fuel system components – Part 15: Excess flow valve	43.060.40	2023-02
ISO 20766-21	Road vehicles – Liquefied petroleum gas (LPG) fuel system components – Part 21: Pressure and/or temperature sensors	43.060.40	2023-02
ISO 20819-2	Plastics – Wood-plastic recycled composites (WPRC) – Part 2: Test methods	83.140.99	2023-02
ISO/TR 20896-2	Dentistry – Digital impression devices – Part 2: Methods for assessing accuracy for implanted devices	11.060.01	2023-02
ISO 20900	Intelligent transport systems – Partially-automated parking systems (PAPS) – Performance requirements and test procedures	35.240.60	2023-02
ISO/TS 21377	Exchange formats for the audit data collection standard: XML and JSON	03.120.20; 35.240.99	2023-02
ISO 21467	Drilling and foundation machinery – Horizontal directional drilling (HDD) machines – Commercial specifications	01.040.53; 53.100	2023-02
ISO 21501-4 AMD 1	Determination of particle size distribution – Single particle light interaction methods – Part 4: Light scattering airborne particle counter for clean spaces; Amendment 1	19.120	2023-02
ISO 21782-1	Electrically propelled road vehicles – Test specification for electric propulsion components – Part 1: General test conditions and definitions	43.120	2023-02
ISO 21805	Guidance and recommendations on design, selection and installation of vents to safeguard the structural integrity of enclosures protected by gaseous fire-extinguishing systems	13.220.10; 91.140.30	2023-02
ISO/TS 21868	Textile floor coverings – State of the art on maintenance and cleaning	97.150	2023-02
ISO 21872-1 AMD 1	Microbiology of the food chain – Horizontal method for the determination of <i>Vibrio</i> spp. – Part 1: Detection of potentially enteropathogenic <i>Vibrio parahaemolyticus</i> , <i>Vibrio cholerae</i> and <i>Vibrio vulnificus</i> – Amendment 1: Inclusion of performance testing of culture media and reagents	07.100.30	2023-02
ISO/IEC 22123-1	Information technology – Cloud computing – Part 1: Vocabulary	01.040.35; 35.210	2023-02
ISO/TR 22131	Railway applications – Railway braking – Country specific applications for ISO 20138-1	45.020	2023-02
ISO 22195-1	Textiles – Determination of index ingredient from coloured textile – Part 1: Madder	59.080.01	2023-02
ISO 22195-2	Textiles – Determination of index ingredient from coloured textile – Part 2: Turmeric	59.080.01	2023-02

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ISO 22385	Security and resilience – Authenticity, integrity and trust for products and documents – Guidelines to establish a framework for trust and interoperability	03.100.01	2023-02
ISO 22393	Security and resilience – Community resilience – Guidelines for planning recovery and renewal	03.100.01	2023-02
ISO 22705-2	Springs – Measurement and test parameters – Part 2: Cold formed cylindrical helical extension springs	21.160	2023-02
ISO/IEC 23001-11	Information technology – MPEG systems technologies – Part 11: Energy-efficient media consumption (green metadata)	35.040.40	2023-02
ISO/IEC 23090-19	Information technology – Coded representation of immersive media – Part 19: Reference Software for V-PCC	35.040.40	2023-02
ISO/IEC 23220-1	Cards and security devices for personal identification – Building blocks for identity management via mobile devices – Part 1: Generic system architectures of mobile eID systems	35.240.15	2023-02
ISO 23375	Intelligent transport systems – Collision evasive lateral manoeuvre systems (CELM) – Requirements and test procedures	03.220.20; 35.240.60	2023-02
ISO/IEC 23465-1	Card and security devices for personal identification – Programming interface for security devices – Part 1: Introduction and architecture description	35.240.15	2023-02
ISO/IEC TS 23465-2	Card and security devices for personal identification – Programming interface for security devices – Part 2: API definition	35.240.15	2023-02
ISO 23588	Radiological protection – General requirements for proficiency tests for in vivo radiobioassay	13.280	2023-02
ISO/DTR 23644	Blockchain and distributed ledger technologies (DLTs) – Overview of trust anchors for DLT-based identity management	35.030; 35.240.40; 35.240.99	2023-02
ISO 23695	Water quality – Determination of ammonium nitrogen in water – Small-scale sealed tube method	13.060.50	2023-02
ISO 23696-1	Water quality – Determination of nitrate in water using small-scale sealed tubes – Part 1: Dimethylphenol colour reaction	13.060.50	2023-02
ISO 23696-2	Water quality – Determination of nitrate in water using small-scale sealed tubes – Part 2: Chromotropic acid colour reaction	13.060.50	2023-02
ISO 23697-1	Water quality – Determination of total bound nitrogen (ST-TNb) in water using small-scale sealed tubes – Part 1: Dimethylphenol colour reaction	13.060.50	2023-02
ISO 23697-2	Water quality – Determination of total bound nitrogen (ST-TNb) in water using small-scale sealed tubes – Part 2: Chromotropic acid colour reaction	13.060.50	2023-02
ISO/IEC TR 23844	Information technology for learning, education, and training – Immersive content and technology	35.240.90	2023-02
ISO/IEC 23894	Information technology – Artificial intelligence – Guidance on risk management	35.020	2023-02
ISO 23906-2	Cigarettes – Determination of benzo[a]pyrene in cigarette mainstream smoke with an intense smoking regime using GC/MS – Part 2: Method using cyclohexane as extraction solvent	65.160	2023-02
ISO 24089	Road vehicles – Software update engineering	43.040.15	2023-02
ISO/TS 24137	Plain bearings – Surface modification by press fitting solid lubricants combined with micro dimple processing	21.100.10	2023-02
ISO 24139-2	Petroleum and natural gas industries – Corrosion resistant alloy clad bends and fittings for pipeline transportation system – Part 2: Clad fittings	75.200	2023-02
ISO 24218-1	Fine bubble technology – Characterization of fine bubbles – Part 1: Evaluation of size and concentration indices by laser diffraction method	7.030	2023-02
ISO/DTR 24290	Health informatics – Datasets and data structure for clinical and biological evaluation metrics in radiotherapy	35.240.80	2023-02

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ISO 24363	Determination of fatty acid methyl esters (cis and trans) and squalene in olive oil and other vegetable oils by gas chromatography	67.200.10	2023-02
ISO 24389-1	Management of radioactive waste from nuclear facilities – Part 1: General principles, objectives and practical approaches	13.030.30; 27.120.20	2023-02
ISO 24452	Ships and marine technology – Personal and group survival kit for use in polar water	47.020.99	2023-02
ISO 24553	Ergonomics – Accessible design – Ease of operation	13.180	2023-02
ISO 24647	Non-destructive testing – Robotic ultrasonic test systems – General requirements	19.100	2023-02
ISO/IEC 24751-4	Information technology – Individualized adaptability and accessibility in e-learning, education and training – Part 4: "Access for all" framework for individualized accessibility and registry server application programming interface (API)	03.100.30; 35.240.90	2023-02
ISO/IEC 27035-1	Information technology – Information security incident management – Part 1: Principles and process	35.030	2023-02
ISO/IEC 27035-2	Information technology – Information security incident management – Part 2: Guidelines to plan and prepare for incident response	35.030	2023-02
ISO 28564-4	Public information guidance systems – Part 4: Installation and assessment	01.080.10	2023-02
ISO/IEC 29167-11	Information technology – Automatic identification and data capture techniques – Part 11: Crypto suite PRESENT-80 security services for air interface communications	35.040.50	2023-02
ISO 45002	Occupational health and safety management systems – General guidelines for the implementation of ISO 45001:2018	03.100.70; 13.100	2023-02
ISO/ASTM 52911-3	Additive manufacturing – Design – Part 3: PBF-EB of metallic materials	25.030	2023-02
ISO/IEC DTR 27563	Security and privacy in artificial intelligence use cases – Best practices	35.020	2023-02
ISO/ASTM DTR 52905	Additive manufacturing of metals – Non-destructive testing and evaluation – Defect detection in parts	25.030	2023-02
ISO/ASTM DTR 52952	Additive manufacturing of metals – Feedstock materials – Correlating of rotating drum measurement with powder spreadability in PBF-LB machines	25.030	2023-02

Međunarodna normizacija (IEC)

Oznaka norme	Naslov norme	ICS	Datum objave
CISPR/TR 31	Description of the radio services database	33.100.10	2023-02
IEC/PAS 63485	Intelligent Information Request and Delivery Specification (iIRDS) – A process model for information architecture	35.240.01	2023-02
IEC/TR 63282	LVDC systems – Assessment of standard voltages and power quality requirements	29.240.01	2023-02
IEC/TR 62730 AMD 1	HV polymeric insulators for indoor and outdoor use tracking and erosion testing by wheel test and 5000h test	29.080.10	2023-02
IEC/TR 63486	Nuclear Facilities – Instrumentation, control and electrical power systems – Risk management approaches	27.120.20	2023-02
IEC/TR 63283-4	Industrial-process measurement, control and automation – Smart Manufacturing – Part 4: Recommendations for the usage of new technologies	25.040.40; 35.240.50	2023-02
IEC/TR 61000-1-9	Electromagnetic compatibility (EMC) – Part 1-9: Assessment of measurement uncertainty for IEC 61000-3-2 and IEC 61000-3-12	33.100.01	2023-02
IEC/TR 63491	Guidance for the selection, use and maintenance of electrical arc flash personal protective equipment	13.260; 13.340.01	2023-02
IEC/TR 60068-3-15	Environmental Testing – Part 3-15: Supporting documentation and guidance – Vacuum-assisted reflow soldering	19.040; 25.160.50	2023-02
IEC/TR 62629-1-3	3D display devices – Part 1-3: Depth perception by human and determination of the position of 3D object on the non-physical screen	31.120	2023-02
IEC/TR 62899-302-5	Printed electronics – Part 302-5: Equipment – Inkjet – Significant characteristics of inkjet printing	31.180	2023-02
IEC/TR 62933-4-200	Electrical Energy Storage (EES) Systems – Part 4-200: Guidance on environmental issues – Greenhouse gas (GHG) emission assessment by electrical energy storage (EES) systems	13.020.30; 27.010	2023-02
IEC/TR 63434	Low voltage switchgear and controlgear – Partial discharge voltages and PD-level in low voltage switchgear and controlgear	29.130.20	2023-02
IEC 60076-25	Power transformers – Part 25: Neutral grounding resistors	29.180	2023-02
IEC 60115-2	Fixed resistors for use in electronic equipment – Part 2: Sectional specification: Low-power film resistors with leads for through-hole assembly on circuit boards (THT)	31.040.10	2023-02
IEC 60115-2-10	Fixed resistors for use in electronic equipment – Part 2-10: Blank detail specification: Low-power film resistors with leads for through-hole assembly on circuit boards (THT), for general electronic equipment, classification level G	31.040.10	2023-02
IEC 60255-27	Measuring relays and protection equipment – Part 27: Product safety requirements	29.120.70	2023-02
IEC 60268-23	Sound system equipment – Part 23: TVs and monitors – Loudspeaker systems	33.160.01; 33.160.50	2023-02
IEC/TR 60297-3-1	Mechanical structures for electrical and electronic equipment – Dimensions of mechanical structures of the 482,6 mm (19 in) series – Part 3-1: Technological schemes and applications	31.240	2023-02
IEC 60379	Methods for measuring the performance of electric storage water heaters for household purposes	91.140.65	2023-02
IEC 60384-20	Fixed capacitors for use in electronic equipment – Part 20: Sectional specification – Fixed metallized polyphenylene sulfide film dielectric surface mount DC capacitors	31.060.10; 31.060.30	2023-02
IEC 60384-23	Fixed capacitors for use in electronic equipment – Part 23: Sectional specification – Fixed metallized polyethylene naphthalate film dielectric surface mount DC capacitors	31.060.10; 31.060.30	2023-02
IEC 60404-12	Magnetic materials – Part 12: Methods of test for the assessment of the thermal endurance of surface insulation coatings on electrical steel strip and sheet	17.220.01; 29.030	2023-02

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IEC 60601-2-2 AMD 1	Medical electrical equipment – Part 2-2: Particular requirements for the basic safety and essential performance of high frequency surgical equipment and high frequency surgical accessories; Amendment 1	11.040.30	2023-02
IEC 60601-2-2 Edition 6.1	Medical electrical equipment – Part 2-2: Particular requirements for the basic safety and essential performance of high frequency surgical equipment and high frequency surgical accessories	11.040.30	2023-02
IEC 60728-11	Cable networks for television signals, sound signals and interactive services – Part 11: Safety	33.060.40	2023-02
IEC 60794-1-308	Optical fibre cables – Part 1-308: Generic specification – Basic optical cable test procedures – Cable element test methods – Ribbon residual twist test, method G8	33.180.10	2023-02
IEC/TR 60878 Corrigendum 1	Graphical symbols for electrical equipment in medical practice; Corrigendum 1	01.080.10; 11.040.01	2023-02
IEC/TR 61000-1-1	Electromagnetic compatibility (EMC) – Part 1-1: General – Application and interpretation of fundamental definitions and terms	01.040.33; 33.100.01	2023-02
IEC/TR 61000-2-15	Electromagnetic compatibility – Part 2-15: Description of the characteristics of networks with high penetration of power electronic converters	29.240.01; 33.100.01; 35.110	2023-02
IEC/TR 61000-5-1	Electromagnetic compatibility (EMC) – Part 5-1: Installation and mitigation guidelines – General considerations	33.100.01	2023-02
IEC 61098	Radiation protection instrumentation – Installed personnel surface contamination monitors	13.280; 17.240	2023-02
IEC 61108-6	Maritime navigation and radiocommunication equipment and systems – Global navigation satellite systems (GNSS) – Part 6: Navigation with Indian constellation (NavIC)/Indian regional navigation satellite system (IRNSS) – Receiver equipment – Performance requirements, methods of testing and required test results	33.070.40; 47.020.70; 47.040; 47.060	2023-02
IEC 61124	Reliability testing – Compliance tests for constant failure rate and constant failure intensity	03.120.30; 19.020; 21.020; 29.020	2023-02
IEC 61156-7	Multicore and symmetrical pair/quad cables for digital communications – Part 7: Symmetrical pair cables with transmission characteristics up to 1200 MHz – Sectional specification for digital and analogue communication cables	33.120.20	2023-02
IEC 61156-8	Multicore and symmetrical pair/quad cables for digital communications – Part 8: Symmetrical pair cables with transmission characteristics up to 1200 MHz – Work area wiring – Sectional specification	33.120.20	2023-02
IEC 61291-2	Optical amplifiers – Part 2: Single channel applications – Performance specification template	33.180.30	2023-02
IEC/TS 61400-29	Wind energy generation systems – Part 29: Marking and lighting of wind turbines	27.180	2023-02
IEC 61810-1 Interpretation Sheet 1	Electromechanical elementary relays – Part 1: General and safety requirements; Interpretation Sheet 1	29.120.70	2023-02
IEC/PAS 61851-1-1	Electric vehicle conductive charging system – Part 1-1: Specific requirements for electric vehicle conductive charging system using type 4 vehicle coupler	43.120	2023-02
IEC 61951-1 AMD 1	Secondary cells and batteries containing alkaline or other non-acid electrolytes Secondary sealed cells and batteries for portable applications – Part 1: Nickel-cadmium; Amendment 1	29.220.30	2023-02
IEC 61951-1 Edition 4.1	Secondary cells and batteries containing alkaline or other non-acid electrolytes Secondary sealed cells and batteries for portable applications – Part 1: Nickel-cadmium	29.220.30	2023-02
IEC 61969-1	Mechanical structures for electrical and electronic equipment – Outdoor enclosures – Part 1: Design guidelines	31.240	2023-02
IEC 62087-2	Audio, video, and related equipment – Determination of power consumption – Part 2: Signals and media	33.140; 33.160.10	2023-02

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IEC 62087-3	Audio, video, and related equipment – Determination of power consumption – Part 3: Television sets	33.140; 33.160.10	2023-02
IEC 62148-22	Fibre optic active components and devices – Package and interface standards – Part 22:25 Gbit/s directly modulated laser packages with temperature control unit	33.180.01; 33.180.20	2023-02
IEC 62149-12	Fibre optic active components and devices – Performance standards – Part 12: Distributed feedback laser diode device for analogue radio over fibre systems	33.180.20; 33.180.30	2023-02
IEC 62246-4	Reed switches – Part 4: Application in conjunction with magnetic actuator used for magnetic sensing devices	29.120.70	2023-02
IEC 62281 AMD 2	Safety of primary and secondary lithium cells and batteries during transport; Amendment 2	29.220.01; 29.220.10	2023-02
IEC 62281 Edition 4.2	Safety of primary and secondary lithium cells and batteries during transport	29.220.01; 29.220.10	2023-02
IEC 62471-7	Photobiological safety of lamps and lamp systems – Part 7: Light sources and luminaires primarily emitting visible radiation	29.140.01; 31.260	2023-02
IEC 62485-6 Corrigendum 1	Safety requirements for secondary batteries and battery installations – Part 6: Safe operation of lithium ion batteries in traction applications; Corrigendum 1	29.220.20	2023-02
IEC 62807-3	Hybrid communication cables – Part 3: Outdoor hybrid cables – Sectional specification	33.120.10; 33.120.20; 33.180.10	2023-02
IEC 62807-3-10	Hybrid communication cables – Part 3-10: Outdoor hybrid cables – Family specification for FTTH hybrid communication cables	33.120.10; 33.120.20; 33.180.10	2023-02
IEC/TS 63074	Safety of machinery – Security aspects related to functional safety of safety-related control systems	13.110; 29.020; 35.030	2023-02
IEC 63076 AMD 1	Railway applications – Rolling stock – Electrical equipment in trolley buses – Safety requirements and current collection systems; Amendment 1	45.060.01; 45.140	2023-02
IEC 63076 Edition 1.1	Railway applications – Rolling stock – Electrical equipment in trolley buses – Safety requirements and current collection systems	45.060.01; 45.140	2023-02
IEC/IEEE 63198-2775	Technical guidelines for smart hydroelectric power plant	27.140; 35.240.50	2023-02
IEC/TS 63202-3	Photovoltaic cells – Part 3: Measurement of current-voltage characteristics of bifacial photovoltaic cells	27.160	2023-02
IEC/TR 63358-1	Graphical symbols for diagrams – Part 1: General, qualifying and generic symbols	01.080.10; 01.080.40; 29.020	2023-02
IEC/TS 63394	Safety of machinery – Guidelines on functional safety of safety-related control system	13.110; 25.040.99; 29.020	2023-02
ISO/IEC TR 30172	Digital Twin – Use cases	29.020; 35.240.01	2023-02
ISO/IEC/IEEE 8802-1CB AMD 1	Information technology – Telecommunications and information exchange between systems – Local and metropolitan area networks – Specific requirements – Part 1CB: Frame replication and elimination for reliability – Amendment 1: Information model, YANG data model, and management information base module	35.110	2023-02
ISO/IEC/IEEE 8802-1CB AMD 2	Information technology – Telecommunications and information exchange between systems – Local and metropolitan area networks – Specific requirements – Part 1CB: Frame replication and elimination for reliability – Amendment 2: Extend stream identification functions	35.110	2023-02
ISO/IEC 18047-63	Information technology – Radio frequency identification device conformance test methods – Part 63: Test methods for air interface communications at 860 MHz to 960 MHz	35.040.50	2023-02
ISO/IEC 18477-4 Technical Corrigendum 1	Information technology – Scalable compression and coding of continuous-tone still images – Part 4: Conformance testing; Technical Corrigendum 1	35.040.30	2023-02
ISO/IEC 19566-8	Information technologies – JPEG systems – Part 8: JPEG Snack	35.040.30	2023-02
ISO/IEC 22123-1	Information technology – Cloud computing – Part 1: Vocabulary	01.040.35; 35.210	2023-02

Oznaka norme	Naslov norme	ICS	Datum objave
ISO/IEC 23001-11	Information technology – MPEG systems technologies – Part 11: Energy-efficient media consumption (green metadata)	35.040.40	2023-02
ISO/IEC 23090-19	Information technology – Coded representation of immersive media – Part 19: Reference Software for V-PCC	35.040.40	2023-02
ISO/IEC 23220-1	Cards and security devices for personal identification – Building blocks for identity management via mobile devices – Part 1: Generic system architectures of mobile eID systems	35.240.15	2023-02
ISO/IEC 23465-1	Card and security devices for personal identification – Programming interface for security devices – Part 1: Introduction and architecture description	35.240.15	2023-02
ISO/IEC TS 23465-2	Card and security devices for personal identification – Programming interface for security devices – Part 2: API definition	35.240.15	2023-02
ISO/IEC TR 23844	Information technology for learning, education, and training – Immersive content and technology	35.240.90	2023-02
ISO/IEC 23894	Information technology – Artificial intelligence – Guidance on risk management	35.020	2023-02
ISO/IEC 24751-4	Information technology – Individualized adaptability and accessibility in e-learning, education and training – Part 4: "Access for all" framework for individualized accessibility and registry server application programming interface (API)	03.100.30; 35.240.90	2023-02
ISO/IEC 27035-1	Information technology – Information security incident management – Part 1: Principles and process	35.030	2023-02
ISO/IEC 27035-2	Information technology – Information security incident management – Part 2: Guidelines to plan and prepare for incident response	35.030	2023-02
ISO/IEC 29167-11	Information technology – Automatic identification and data capture techniques – Part 11: Crypto suite PRESENT-80 security services for air interface communications	35.040.50	2023-02
ISO/IEC DTR 27563	Security and privacy in artificial intelligence use cases – Best practices	35.020	2023-02