

# Hrvatski zavod za norme

## Oglasnik za normativne dokumente

4/2024

30. travnja 2024.

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

## Sadržaj:

<b>1</b>	<b>Rezultati hrvatske normizacije</b>	A3
1.1	Hrvatske norme	A3
1.2	Nacrti hrvatskih norma	
1.3	Prijedlozi za prihvaćanje stranih norma u izvorniku	A10
1.4	Povučene hrvatske norme	A16
1.5	Povučeni nacrti hrvatskih norma	A22
1.6	Ispravci hrvatskih norma	A22
1.7	Naslovi objavljenih hrvatskih norma na hrvatskome jeziku	A22
1.8	Drugi normativni dokumenti	
1.9	Opća izdanja HZN-a	
1.10	Prijevod hrvatskih normativnih dokumenata	
<b>2</b>	<b>Rezultati međunarodne i europske normizacije</b>	A23

# 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 21, Protupožarna i vatrogasna oprema

HRN DIN VDE 0833-2:2024 de pr  
Sustavi za uzbunjivanje zbog požara, provale i prepada – 2. dio: Zahtjevi za sustave za požarno uzbunjivanje (DIN VDE 0833-2:2022)  
Gefahrenmeldeanlagen für Brand, Einbruch und Überfall – Teil 2: Festlegungen für Brandmeldeanlagen (DIN VDE 0833-2:2022)

### HZN/TO 22, Cestovna vozila

HRN EN 17921:2024 en pr  
Punionice prirodnog plina – Priključak za istakanje ukapljenog prirodnog plina (UPP) (EN 17921:2024)  
Natural gas fuelling stations – LNG unloading connector (EN 17921:2024)

HRN EN 17922:2024 en pr  
Punionice prirodnog plina – Sustav za brzi prekid istakanja ukapljenog prirodnog plina (UPP) (EN 17922:2024)  
Natural gas fuelling stations – LNG unloading stop system (EN 17922:2024)

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

HRN EN 589:2024 en pr  
Goriva za motorna vozila – UNP – Zahtjevi i metode ispitivanja (EN 589:2024)  
Automotive fuels – LPG – Requirements and test methods (EN 589:2024)

HRN EN ISO 12185:2024 en pr  
Nafta, naftni proizvodi i srodni proizvodi – Određivanje gustoće – Laboratorijski denzitometar sa senzorom s oscilirajućom U-cijevi (ISO 12185:2024; EN ISO 12185:2024)  
Crude petroleum, petroleum products and related products – Determination of density – Laboratory density meter with an oscillating U tube sensor (ISO 12185:2024; EN ISO 12185:2024)

### HZN/TO 43, Akustika

HRN EN ISO 7029:2017/A1:2024 en pr  
Akustika – Statistička razdioba pragova čujnosti s obzirom na dob i spol – Amandman 1: Ispravak vrijednosti parametara za procjenu razdiobe pragova čujnosti (ISO 7029:2017/Amd 1:2024; EN ISO 7029:2017/A1:2024)  
Acoustics – Statistical distribution of hearing thresholds related to age and gender – Amendment 1: Correction of parameter values for estimating the hearing threshold distribution (ISO 7029:2017/Amd 1:2024; EN ISO 7029:2017/A1:2024)

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

HRN EN ISO 3834-6:2024 en pr  
Zahtjevi za kvalitetu zavarivanja taljenjem metalnih materijala – 6. dio: Smjernice za primjenu norme ISO 3834 (ISO 3834-6:2024; EN ISO 3834-6:2024)  
Quality requirements for fusion welding of metallic materials – Part 6: Guidelines on implementing ISO 3834 series (ISO 3834-6:2024; EN ISO 3834-6:2024)

HRN EN ISO 9692-2:2024 en pr  
Zavarivanje i srodni procesi – Priprema spoja – 2. dio: Zavarivanje čelika pod praškom (ISO 9692-2:2024; EN ISO 9692-2:2024)  
Welding and allied processes – Joint preparation – Part 2: Submerged arc welding of steels (ISO 9692-2:2024; EN ISO 9692-2:2024)

HRN EN ISO 15610:2024 en pr  
Specifikacija i kvalifikacija postupaka zavarivanja za metalne materijale – Kvalifikacija na osnovi ispitanih dodatnih i potrošnih materijala za zavarivanje (ISO 15610:2024; EN ISO 15610:2024)  
Specification and qualification of welding procedures for metallic materials – Qualification based on tested welding consumables (ISO 15610:2024; EN ISO 15610:2024)

### HZN/TO 74, Cement i vapno

HRN EN 13282-3:2024 en pr  
Hidraulična veziva za ceste – 3. dio: Ocjenjivanje i provjera stalnosti svojstava (EN 13282-3:2024)  
Hydraulic road binders – Part 3: Assessment and verification of constancy of performance (EN 13282-3:2024)

### HZN/TO 89, Furniri i drvene ploče

HRN EN 622-4:2024 en pr  
Ploče vlaknatice – Specifikacije – 4. dio: Zahtjevi za lake ploče (EN 622-4:2024)  
Fibreboards – Specifications – Part 4: Requirements for softboards (EN 622-4:2024)

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

HRN EN ISO 15002:2024 en pr  
Regulatori protoka koji se priključuju na sustav dovoda medicinskog plina (ISO 15002:2023; EN ISO 15002:2024)  
Flow control devices for connection to a medical gas supply system (ISO 15002:2023; EN ISO 15002:2024)

### HZN/TO 134, Gnojiva i poboljšivači tla

HRS CEN/TS 17768:2024 en pr  
Organska i organsko-mineralna gnojiva – Digestija zlatotopkom za naknadno određivanje elemenata (CEN/TS 17768:2022)  
Organic and organo-mineral fertilizers – Digestion by aqua regia for subsequent determination of elements (CEN/TS 17768:2022)

HRS CEN/TS 17776:2024 en pr  
Organska i organsko-mineralna gnojiva – Određivanje sadržaja ukupnog organskog ugljika (TOC) suhim spaljivanjem (CEN/TS 17776:2022)  
Organic and organo-mineral fertilizers – Determination of the total organic carbon (TOC) content by dry combustion (CEN/TS 17776:2022)

HRN EN 17925:2024 en pr  
Poboljšivači tla i supstrati – Određivanje temperaturnog i vremenskog profila tijekom kompostiranja i digestije (EN 17925:2024)  
Soil improvers and growing media – Determination of temperature and time profile during composting and digestion (EN 17925:2024)

### HZN/TO 136, Namještaj

HRN EN 747-1:2024 en pr  
Namještaj – Kreveti na kat i povišeni kreveti – 1. dio: Zahtjevi za sigurnost, čvrstoću i izdržljivost (EN 747-1:2024)  
Furniture – Bunk beds and high beds – Part 1: Safety, strength and durability requirements (EN 747-1:2024)

HRN EN 747-2:2024 en pr  
Namještaj – Kreveti na kat i povišeni kreveti – 2. dio: Metode ispitivanja (EN 747-2:2024)  
Furniture – Bunk beds and high beds – Part 2: Test methods (EN 747-2:2024)

HRN EN 15186:2024 en pr  
Namještaj – Procjena otpornosti površine na ogrebotine (EN 15186:2024)  
Furniture – Assessment of the surface resistance to scratching (EN 15186:2024)

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

HRS CEN/TS 14632:2024 en pr  
Plastični cijevni sustavi za tlačnu i netlačnu odvodnju, kanalizaciju i opskrbu vodom – Staklom ojačani duromeri (GRP) na osnovi nezasićenih poliester (UP) – Upute za ocjenjivanje sukladnosti (CEN/TS 14632:2023)  
Plastics piping systems for drainage, sewerage and water supply, pressure and non-pressure – Glass-reinforced thermosetting plastics (GRP) based on unsaturated polyester resin (UP) – Guidance for the assessment of conformity (CEN/TS 14632:2023)

## HZN/TO 146, Kvaliteta zraka

HRN EN ISO 16000-9:2024 en pr  
Zrak u zatvorenom prostoru – 9. dio: Određivanje emisije hlapljivih organskih spojeva iz građevnih proizvoda i proizvoda za namještanje prostora – Metoda emisijske ispitne komore (ISO 16000-9:2024; EN ISO 16000-9:2024)  
Indoor air – Part 9: Determination of the emission of volatile organic compounds from building products and furnishing – Emission test chamber method (ISO 16000-9:2024; EN ISO 16000-9:2024)

HRN EN ISO 16000-11:2024 en pr  
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 16000-11:2024; EN ISO 16000-11:2024)  
Indoor air – Part 11: Determination of the emission of volatile organic compounds from samples of building products and furnishing – Sampling, storage of samples and preparation of test specimens (ISO 16000-11:2024; EN ISO 16000-11:2024)

## HZN/TO 147, Kvaliteta vode

HRN EN ISO 17294-1:2024 en pr  
Kvaliteta vode – Primjena spektrometrije masa s induktivno spregnutom plazmom (ICP-MS) – 1. dio: Opće smjernice (ISO 17294-1:2024; EN ISO 17294-1:2024)  
Water quality – Application of inductively coupled plasma mass spectrometry (ICP-MS) – Part 1: General guidelines (ISO 17294-1:2024; EN ISO 17294-1:2024)

## HZN/TO 163, Toplinska izolacija

HRN EN 16783:2024 en pr  
Toplinsko-izolacijski proizvodi – Izjave o utjecaju proizvoda na okoliš (EPD) – Pravila za razvrstavanje proizvoda (PCR) kao dopuna normi EN 15804 za tvornički proizvedene i na licu mjesta oblikovane proizvode (EN 16783:2024)  
Thermal insulation products – Environmental Product Declarations (EPD) – Product Category Rules (PCR) complementary to EN 15804 for factory made and in-situ formed products (EN 16783:2024)

## HZN/TO 228, Usluge u turizmu

HRN EN ISO 24807:2024 en pr  
Usluge rekreativnog ronjenja – Zahtjevi za obuku ronjenja s aparatima zatvorenog kruga (rebreather) – Ronjenje s dekompresijom na 100 m (ISO 24807:2023; EN ISO 24807:2024)  
Recreational diving services – Requirements for rebreather diver training – Decompression diving to 100 m (ISO 24807:2023; EN ISO 24807:2024)

## HZN/TO 238, Čvrsta biogoriva

HRN EN ISO 18134-2:2024 en pr  
Čvrsta biogoriva – Određivanje udjela vlage – 2. dio: Ukupna vlaga – Pojednostavljena metoda (ISO 18134-2:2024; EN ISO 18134-2:2024)  
Solid biofuels – Determination of moisture content – Part 2: Total moisture – Simplified method (ISO 18134-2:2024; EN ISO 18134-2:2024)

## HZN/TO 503, Metalni materijali

HRN EN 683-2:2024 en pr  
Aluminij i aluminijeve legure – Materijal za izmjenjivače topline – 2. dio: Mehanička svojstva (EN 683-2:2024)  
Aluminium and aluminium alloys – Finstock – Part 2: Mechanical properties (EN 683-2:2024)

HRN EN 10251:2024 en pr  
Magnetni materijali – Metode određivanja geometrijskih karakteristika elektrolimova i traka (EN 10251:2024)  
Magnetic materials – Methods of determination of the geometrical characteristics of electrical steel sheet and strip (EN 10251:2024)

HRN EN 10348:2024 en pr  
Čelik za armiranje betona – Galvanizirani proizvodi iz čelika za armiranje (EN 10348:2024)  
Steel for the reinforcement of concrete – Galvanized reinforcing steel products (EN 10348:2024)

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

HRN EN ISO 13702:2024 en pr  
Industrija nafte i prirodnog plina – Kontrola i suzbijanje požara i eksplozija na odobalnim proizvodnim postrojenjima – Zahtjevi i smjernice (ISO 13702:2024; EN ISO 13702:2024)  
Oil and gas industries – Control and mitigation of fires and explosions on offshore production installations – Requirements and guidelines (ISO 13702:2024; EN ISO 13702:2024)

## HZN/TO 521, Usluge održavanja

HRN EN ISO 41017:2024 en pr  
Upravljanje objektima – Upute za pripravnost na izvanredne situacije i suzbijanje epidemije (ISO 41017:2024; EN ISO 41017:2024)  
Facility management – Guidance on emergency preparedness and management of an epidemic (ISO 41017:2024; EN ISO 41017:2024)

## HZN/TO 524, Inteligentni transportni sustavi

HRN EN ISO 13141:2024 en pr  
Elektronička naplata – Komunikacija pojačane lokalizacije za autonomne sustave (ISO 13141:2024; EN ISO 13141:2024)  
Electronic fee collection – Localisation augmentation communication for autonomous systems (ISO 13141:2024; EN ISO 13141:2024)

HRN EN ISO 21177:2024 en pr  
Inteligentni transportni sustavi – Sigurnosne usluge ITS stanice za sigurno uspostavljanje sesije i provjeru autentičnosti između pouzdanih uređaja (ISO 21177:2024; EN ISO 21177:2024)  
Intelligent transport systems – ITS station security services for secure session establishment and authentication between trusted devices (ISO 21177:2024; EN ISO 21177:2024)

## HZN/TO 528, Oprema za željeznice

HRN EN 16272-1:2024 en pr  
Željeznički sustav – Infrastruktura – Bukobrani i odgovarajuća sredstva koja djeluju na zvuk prenošen zrakom – Metoda ispitivanja za određivanje akustičnih svojstava – 1. dio: Unutarnje značajke – Apsorpcija zvuka u laboratoriju u uvjetima difuznoga zvučnog polja (EN 16272-1:2023)  
Railway applications – Infrastructure – Noise barriers and related devices acting on airborne sound propagation – Test method for determining the acoustic performance – Part 1: Intrinsic characteristics – Sound absorption under diffuse sound field conditions (EN 16272-1:2023)

HRN EN 16272-2:2024 en pr  
Željeznički sustav – Infrastruktura – Bukobrani i odgovarajuća sredstva koja djeluju na zvuk prenošen zrakom – Metoda ispitivanja za određivanje akustičnih svojstava – 2. dio: Unutarnje značajke – Zračna zvučna izolacija u laboratoriju u uvjetima difuznoga zvučnog polja (EN 16272-2:2023)  
Railway applications – Infrastructure – Noise barriers and related devices acting on airborne sound propagation – Test method for determining the acoustic performance – Part 2: Intrinsic characteristics – Airborne sound insulation under diffuse sound field conditions (EN 16272-2:2023)

HRN EN 16272-5:2024 en pr  
Željeznički sustav – Infrastruktura – Bukobrani i odgovarajuća sredstva koja djeluju na zvuk prenošen zrakom – Metoda ispitivanja za određivanje akustičnih svojstava – 5. dio: Unutarnje značajke – Apsorpcija zvuka u uvjetima usmjerenoga zvučnog polja (EN 16272-5:2023)  
Railway applications – Infrastructure – Noise barriers and related devices acting on airborne sound propagation – Test method for determining the acoustic performance – Part 5: Intrinsic characteristics – Sound absorption under direct sound field conditions (EN 16272-5:2023)

HRN EN 16272-6:2024 en pr  
Željeznički sustav – Infrastruktura – Bukobrani i odgovarajuća sredstva koja djeluju na zvuk prenošen zrakom – Metoda ispitivanja za određivanje akustičnih svojstava – 6. dio: Unutarnje značajke – Zračna zvučna izolacija u uvjetima usmjerenoga zvučnog polja (EN 16272-6:2023)  
Railway applications – Infrastructure – Noise barriers and related devices acting on airborne sound propagation – Test method for determining the acoustic performance – Part 6: Intrinsic characteristics – Airborne sound insulation under direct sound field conditions (EN 16272-6:2023)

HRN EN 45545-3:2024 en pr  
Željeznički sustav – Zaštita od požara na željezničkim vozilima – 3. dio: Zahtjevi na vatrootpornost vatrootpornih barijera (EN 45545-3:2024)  
Railway applications – Fire protection on railway vehicles – Part 3: Fire resistance requirements for fire barriers (EN 45545-3:2024)

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

HRN EN 13557:2024 en pr  
Dizalice – Upravljački uređaji i njihov smještaj (EN 13557:2024)  
Cranes – Control devices and control stations (EN 13557:2024)

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

HRN EN ISO 3451-4:2024 en pr  
Plastika – Određivanje pepela – 4. dio Poliamidi (ISO 3451-4:2024; EN ISO 3451-4:2024)  
Plastics – Determination of ash – Part 4: Polyamides (ISO 3451-4:2024; EN ISO 3451-4:2024)

HRN EN 12814-7:2024 en pr  
Ispitivanje zavarenih spojeva plastomernih poluproizvoda – 7. dio: Ispitivanje rastezanjem sa strukturiranim ispitnicima (EN 12814-7:2024)  
Testing of welded joints of thermoplastics semi-finished products – Part 7: Tensile test with waisted test specimens (EN 12814-7:2024)

HRN EN ISO 22007-1:2024 en pr  
Plastika – Određivanje toplinske vodljivosti i toplinske difuzivnosti – 1. dio: Opća načela (ISO 22007-1:2024; EN ISO 22007-1:2024)  
Plastics – Determination of thermal conductivity and thermal diffusivity – Part 1: General principles (ISO 22007-1:2024; EN ISO 22007-1:2024)

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

HRN EN 13863-5:2024 en pr  
Betonski kolnici – 5. dio: Određivanje čvrstoće prijanjanja moždanika za uporabu u betonskim kolnicima (EN 13863-5:2024)  
Concrete pavements – Part 5: Determination of the bond stress of dowels to be used in concrete pavements (EN 13863-5:2024)

HRN EN 13863-6:2024 en pr  
Betonski kolnici – 6. dio: Metoda ispitivanja za određivanje vlačne čvrstoće betona cijepanjem valjaka (EN 13863-6:2024)  
Concrete pavements – Part 6: Test method for the determination of the tensile strength of concrete on cylindrical discs (EN 13863-6:2024)

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

HRN ISO 11485-1:2024 en pr  
Staklo u graditeljstvu – Zakrivljeno staklo – 1. dio: Nazivlje i definicije (ISO 11485-1:2011)  
Glass in building – Curved glass – Part 1: Terminology and definitions (ISO 11485-1:2011)

HRN ISO 11485-2:2024 en pr  
Staklo u graditeljstvu – Zakrivljeno staklo – 2. dio: Zahtjevi za kvalitetu (ISO 11485-2:2011)  
Glass in building – Curved glass – Part 2: Quality requirements (ISO 11485-2:2011)

HRN ISO 11485-3:2024 en pr  
Staklo u graditeljstvu – Zakrivljeno staklo – 3. dio: Zahtjevi za zakrivljeno kaljeno i zakrivljeno laminirano sigurnosno staklo (ISO 11485-3:2014)  
Glass in building – Curved glass – Part 3: Requirements for curved tempered and curved laminated safety glass (ISO 11485-3:2014)

HRN EN 16005:2024 en pr  
Strojno pogonjena vrata za pješake – Sigurnost uporabe – Zahtjevi i metode ispitivanja (EN 16005:2023+A1:2024)  
Power operated pedestrian doorsets – Safety in use – Requirements and test methods (EN 16005:2023+A1:2024)

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

HRN EN ISO 4172:2024 en pr  
Tehnička dokumentacija proizvoda (TPD) – Građevinska dokumentacija – Crteži za sklapanje gotovih konstrukcija (ISO 4172:2024; EN ISO 4172:2024)  
Technical product documentation (TPD) – Construction documentation – Drawings for the assembly of prefabricated structures (ISO 4172:2024; EN ISO 4172:2024)

HRN EN ISO 7519:2024 en pr  
Tehnička dokumentacija proizvoda (TPD) – Građevinska dokumentacija – Opća načela prikaza za pregledne crteže rasporeda i montažne crteže (ISO 7519:2024; EN ISO 7519:2024)  
Technical product documentation (TPD) – Construction documentation – General principles of presentation for general arrangement and assembly drawings (ISO 7519:2024; EN ISO 7519:2024)

HRN EN ISO 18183-1:2024 en pr  
Geometrijske specifikacije proizvoda (GPS) – Particija – 1. dio: Terminološki rječnik i osnovni pojmovi (ISO 18183-1:2024; EN ISO 18183-1:2024)  
Geometrical product specifications (GPS) – Partition – Part 1: Vocabulary and basic concepts (ISO 18183-1:2024; EN ISO 18183-1:2024)

#### **HZN/TO 539, Kemijski dezinficijensi i antiseptici**

HRN EN 17430:2024 en pr  
Kemijski dezinficijensi i antiseptici – Sredstvo za higijensko utrljavanje u ruke s virucidnim djelovanjem – Metoda ispitivanja i zahtjevi (faza 2/korak 2) (EN 17430:2024)  
Chemical disinfectants and antiseptics – Hygienic handrub virucidal – Test method and requirements (phase 2/step 2) (EN 17430:2024)

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

HRN EN ISO 24194:2022/A1:2024 en pr  
Sunčeva energija – Kolektorska polja – Provjera značajki (ISO 24194:2022/Amd 1:2024; EN ISO 24194:2022/A1:2024)  
Solar energy – Collector fields – Check of performance (ISO 24194:2022/Amd 1:2024; EN ISO 24194:2022/A1:2024)

#### **HZN/TO 548, Konstrukcijski eurokodovi**

HRN EN 1991-1-2:2024 en pr  
Eurokod 1 – Djelovanja na konstrukcije – Dio 1-2: Djelovanja na konstrukcije izložene požaru (EN 1991-1-2:2024)  
Eurocode 1 – Actions on structures – Part 1-2: Actions on structures exposed to fire (EN 1991-1-2:2024)

HRN EN 1993-1-13:2024 en pr  
Eurokod 3 – Projektiranje čeličnih konstrukcija – Dio 1-13: Pravila za grede s velikim otvorima u hrptu (EN 1993-1-13:2024)  
Eurocode 3 – Design of steel structures – Part 1-13: Beams with large web openings (EN 1993-1-13:2024)

HRN EN 1993-1-2:2024 en pr  
Eurokod 3 – Projektiranje čeličnih konstrukcija – Dio 1-2: Proračun konstrukcija na djelovanje požara (EN 1993-1-2:2024)  
Eurocode 3 – Design of steel structures – Part 1-2: Structural fire design (EN 1993-1-2:2024)

HRN EN 1993-1-3:2024 en pr  
Eurokod 3 – Projektiranje čeličnih konstrukcija – Dio 1-3: Hladno oblikovani elementi i limovi (EN 1993-1-3:2024)  
Eurocode 3 – Design of steel structures – Part 1-3: Cold-formed members and sheeting (EN 1993-1-3:2024)

HRN EN 1993-1-5:2024 en pr  
Eurokod 3 – Projektiranje čeličnih konstrukcija – Dio 1-5: Pločasti konstrukcijski elementi (EN 1993-1-5:2024)  
Eurocode 3 – Design of steel structures – Part 1-5: Plated structural elements (EN 1993-1-5:2024)

HRN EN 1993-1-8:2024 en pr  
Eurokod 3 – Projektiranje čeličnih konstrukcija – Dio 1-8: Priključci (EN 1993-1-8:2024)  
Eurocode 3 – Design of steel structures – Part 1-8: Joints (EN 1993-1-8:2024)



## HZN/TO 550, *Opskrba vodom*

HRN EN 15091:2024 en pr  
Sanitarne armature – Elektroničko otvaranje i zatvaranje sanitarnih armatura (EN 15091:2024)  
Sanitary tapware – Electronic opening and closing sanitary tapware (EN 15091:2024)

HRN EN 17841:2024 en pr  
Kemikalije koje se upotrebljavaju u obradi vode namijenjene ljudskoj potrošnji – Sredstvo protiv obrastanja membrana – Sulfaminska kiselina (EN 17841:2024)  
Chemicals used for treatment of water intended for human consumption – Antifouling for membranes – Sulfamic acid (EN 17841:2024)

## HZN/TO 551, *Gradnja*

HRN EN ISO 16739-1:2024 en pr  
Industry Foundation Classes (IFC) za razmjenu podataka u građevinskoj industriji i industriji upravljanja održavanjem građevina – 1. dio: Shema podataka (ISO 16739-1:2024; EN ISO 16739-1:2024)  
Industry Foundation Classes (IFC) for data sharing in the construction and facility management industries – Part 1: Data schema (ISO 16739-1:2024; EN ISO 16739-1:2024)

## HZN/TO 554, *Obrada otpadnih voda*

HRN EN 12255-5:2024 en pr  
Uređaji za pročišćivanje otpadnih voda – 5. dio: Primjena laguna (EN 12255-5:2024)  
Wastewater treatment plants – Part 5: Lagooning processes (EN 12255-5:2024)

HRN EN 12255-12:2024 en pr  
Uređaji za pročišćivanje otpadnih voda – 12. dio: Kontrola i automatizacija (EN 12255-12:2024)  
Wastewater treatment plants – Part 12: Control and automation (EN 12255-12:2024)

HRN EN 16941-1:2024 en pr  
Sustavi za prikupljanje nepitke vode koja se upotrebljava na licu mjesta – 1. dio: Sustavi za uporabu kišnice (EN 16941-1:2024)  
On-site non-potable water systems – Part 1: Systems for the use of rainwater (EN 16941-1:2024)

## HZN/TO 555, *Medicinski proizvodi*

HRN EN ISO 15189:2022/A11:2024 en pr  
Medicinski laboratoriji – Zahtjevi za kvalitetu i osposobljenost (EN ISO 15189:2022/A11:2023)  
Medical laboratories – Requirements for quality and competence (EN ISO 15189:2022/A11:2023)

## HZN/TO 556, *Osobna zaštitna oprema*

HRN EN 352-6:2024 en pr  
Štitnici sluha – Sigurnosni zahtjevi – 6. dio: Ušne školjke s audioulazom za sigurnosne informacije (EN 352-6:2020+A1:2024)  
Hearing protectors – Safety requirements – Part 6: Earmuffs with safety-related audio input (EN 352-6:2020+A1:2024)

HRN EN 352-8:2024 en pr  
Štitnici sluha – Sigurnosni zahtjevi – 8. dio: Ušne školjke s audioulazom za zabavu (EN 352-8:2020+A1:2024)  
Hearing protectors – Safety requirements – Part 8: Entertainment audio earmuffs (EN 352-8:2020+A1:2024)

HRN EN 352-9:2024 en pr  
Štitnici sluha – Sigurnosni zahtjevi – 9. dio: Ušni čepovi s audioulazom za sigurnosne informacije (EN 352-9:2020+A1:2024)  
Hearing protectors – Safety requirements – Part 9: Earplugs with safety-related audio input (EN 352-9:2020+A1:2024)

HRN EN 352-10:2024 en pr  
Štitnici sluha – Sigurnosni zahtjevi – 10. dio: Ušni čepovi s audioulazom za zabavu (EN 352-10:2020+A1:2024)  
Hearing protectors – Safety requirements – Part 10: Entertainment audio earplugs (EN 352-10:2020+A1:2024)

HRN EN 813:2024 en pr  
Osobna zaštitna oprema protiv pada s visine – Pojasovi za sjedenje (EN 813:2024)  
Personal fall protection equipment – Sit harnesses (EN 813:2024)

HRN EN 13819-3:2024 en pr  
Štitnici sluha – Ispitivanje – 3. dio: Dodatne metode akustičkih ispitivanja (EN 13819-3:2019+A1:2024)  
Hearing protectors – Testing – Part 3: Supplementary acoustic test methods (EN 13819-3:2019+A1:2024)

## HZN/TO 558, *Zaštita dišnih putova*

HRN EN 134:2024 en pr  
Zaštitne naprave za disanje – Nazivi dijelova (EN 134:2024)  
Respiratory protective devices – Nomenclature of components (EN 134:2024)

## HZN/TO 559, *Zaporni, regulacijski i sigurnosni uređaji*

HRN EN ISO 4126-10:2024 en pr  
Sigurnosni uređaji za zaštitu od prekomjernog tlaka – 10. dio: Dimenzioniranje sigurnosnih ventila i rasprskavajućih diskova za dvofazni protok (plin/kapljevina) (ISO 4126-10:2024; EN ISO 4126-10:2024)  
Safety devices for protection against excessive pressure – Part 10: Sizing of safety valves and bursting discs for gas/liquid two-phase flow (ISO 4126-10:2024; EN ISO 4126-10:2024)

HRN EN ISO 8233:2024 en pr  
Termoplastični zaporni uređaji – Okretni moment – Metoda ispitivanja (ISO 8233:2024; EN ISO 8233:2024)  
Thermoplastics valves – Torque – Test method (ISO 8233:2024; EN ISO 8233:2024)

## HZN/TO 560, *Tekstilni proizvodi*

HRN EN ISO 105-B04:2024 en pr  
Tekstil – Ispitivanje postojanosti obojenja – Dio B04: Postojanost obojenja na umjetne atmosfere uvjete: Ispitivanje na blijedenje Xenon lampom (ISO 105-B04:2024; EN ISO 105-B04:2024)  
Textiles – Tests for colour fastness – Part B04: Colour fastness to artificial weathering: Xenon arc fading lamp test (ISO 105-B04:2024; EN ISO 105-B04:2024)

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

HRN EN ISO 22435:2024 en pr  
Plinske boce – Ventili za boce s regulatorom tlaka – Specifikacija i ispitivanje tipa (ISO 22435:2024; EN ISO 22435:2024)  
Gas cylinders – Cylinder valves with integrated pressure regulators – Specification and type testing (ISO 22435:2024; EN ISO 22435:2024)

## HZN/TO E2, *Rotacijski strojevi*

HRN EN IEC 60034-30-3:2024 en pr  
Rotacijski električni strojevi – Dio 30-3: Razredi učinkovitosti visokonaponskih izmjeničnih motora (IE kod) (IEC 60034-30-3:2024; EN IEC 60034-30-3:2024)  
Rotating electrical machines – Part 30-3: Efficiency classes of high voltage AC motors (IE code) (IEC 60034-30-3:2024; EN IEC 60034-30-3:2024)

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

HRN EN 60061-3:2008/A60:2024 en pr  
Podnošci i grla za žarulje, granična mjerila za kontrolu zamjenjivosti i sigurnosti – 3. dio: Granična mjerila (IEC 60061-3:1969/am60:2024; EN 60061-3:1993/A60:2024)  
Lamp caps and holders together with gauges for the control of interchangeability and safety – Part 3: Gauges (IEC 60061-3:1969/am60:2024; EN 60061-3:1993/A60:2024)

HRN EN IEC 63403-1:2024 en pr  
Poljoprivredna rasvjeta – Svjetleće diode za poljoprivrednu rasvjetu – 1. dio: List sa specifikacijama (IEC 63403-1:2024; EN IEC 63403-1:2024)  
Horticultural lighting – LED packages for horticultural lighting – Part 1: Specification sheet (IEC 63403-1:2024; EN IEC 63403-1:2024)

HRN EN IEC 63403-2:2024 en pr  
Poljoprivredna rasvjeta – Svjetleće diode za poljoprivrednu rasvjetu – 2. dio: Označavanje (IEC 63403-2:2024; EN IEC 63403-2:2024)  
Horticultural lighting – LED packages for horticultural lighting – Part 2: Binning (IEC 63403-2:2024; EN IEC 63403-2:2024)

## HZN/TO E36, Izolatori

HRN EN 50719:2024 en pr  
Prikjučne stezaljke za provodne izolatore od 250 A do 4 000 A za transformatore punjene izolacijskom tekućinom (EN 50719:2024)  
Connecting terminal flags for bushings from 250 A to 4 000 A for insulating liquid filled transformers (EN 50719:2024)

## HZN/TO E57, Upravljanje energetskim sustavom i pridružene komunikacije

HRN EN IEC 61970-302:2024 en pr  
Sučelje za aplikacije vođenja elektroenergetskog sustava (EMS-API) – 302. dio: Dinamika zajedničkog modela podataka (CIM) (IEC 61970-302:2024; EN IEC 61970-302:2024)  
Energy management system application program interface (EMS-API) – Part 302: Common information model (CIM) dynamics (IEC 61970-302:2024; EN IEC 61970-302:2024)

HRN EN IEC 61970-457:2024 en pr  
Sučelje za aplikacije vođenja elektroenergetskog sustava (EMS-API) – 457. dio: Dinamički profil (IEC 61970-457:2024; EN IEC 61970-457:2024)  
Energy management system application program interface (EMS-API) – Part 457: Dynamics profile (IEC 61970-457:2024; EN IEC 61970-457:2024)

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

HRN EN IEC 80601-2-26:2020/A1:2024 en pr  
Medicinska električna oprema – Dio 2-26: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke elektroencefalografa (IEC 80601-2-26:2019/am1:2024; EN IEC 80601-2-26:2020/A1:2024)  
Medical electrical equipment – Part 2-26: Particular requirements for the basic safety and essential performance of electroencephalographs (IEC 80601-2-26:2019/am1:2024; EN IEC 80601-2-26:2020/A1:2024)

## HZN/TO E81, Zaštita od munje

HRN EN IEC 62561-7:2024 en pr  
Komponente sustava zaštite od munje (LPSC) – 7. dio: Zahtjevi za smjese za poboljšanje uzemljenja (IEC 62561-7:2024; EN IEC 62561-7:2024)  
Lightning protection system components (LPSC) – Part 7: Requirements for earthing enhancing compounds (IEC 62561-7:2024; EN IEC 62561-7:2024)

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

HRN EN IEC 62836:2024 en pr  
Mjerenje unutarnjeg električnog polja u izolacijskim materijalima – Metoda širenja tlačnih valova (IEC 62836:2024; EN IEC 62836:2024)  
Measurement of internal electric field in insulating materials – Pressure wave propagation method (IEC 62836:2024; EN IEC 62836:2024)

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

HRN EN IEC 61000-3-2:2019/A2:2024 en pr  
Elektromagnetska kompatibilnost (EMC) – Dio 3-2: Granice – Granice za harmoničke strujne emisije (za ulazne struje uređaja < 16 A po fazi) (IEC 61000-3-2:2018/am2:2024; EN IEC 61000-3-2:2019/A2:2024)  
Electromagnetic compatibility (EMC) – Part 3-2: Limits – Limits for harmonic current emissions (equipment input current < 16 A per phase) (IEC 61000-3-2:2018/am2:2024; EN IEC 61000-3-2:2019/A2:2024)

## HZN/TO E501, Elektroakustika i ultrazvuk

HRN EN IEC 63305:2024 en pr  
Podvodna akustika – Umjeravanje vektorskih prijamnika zvučnih valova u frekventijskom području od 5 Hz do 10 kHz (IEC 63305:2024; EN IEC 63305:2024)  
Underwater acoustics – Calibration of acoustic wave vector receivers in the frequency range 5 Hz to 10 kHz (IEC 63305:2024; EN IEC 63305:2024)

## HZN/TO Z1, Informacijska tehnologija

HRN EN ISO/IEC 15421:2024 en pr  
Informacijska tehnologija – Načini automatskog prepoznavanja i preuzimanja podataka – Specifikacije za provjeru izvornika crtičnoga koda (ISO/IEC 15421:2010; EN ISO/IEC 15421:2024)  
Information technology – Automatic identification and data capture techniques – Bar code master test specifications (ISO/IEC 15421:2010; EN ISO/IEC 15421:2024)

## HZN/TU B1, Graditeljstvo 1

HRS CEN/TS 18020:2024 en pr  
Građevni proizvodi: Procjena otpuštanja opasnih tvari – Uzorkovanje i kvantitativno određivanje azbesta u građevnim proizvodima (CEN/TS 18020:2024)  
Construction products: Assessment of release of dangerous substances – Sampling and quantitative determination of asbestos in construction products (CEN/TS 18020:2024)

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

HRN EN ISO 4628-10:2024 en pr  
Boje i lakovi – Vrednovanje količine i veličine grešaka i intenzivnosti jednoličnih promjena izgleda – 10. dio: Ocjena stupnja nitaste korozije (ISO 4628-10:2024; EN ISO 4628-10:2024)  
Paints and varnishes – Evaluation of quantity and size of defects, and of intensity of uniform changes in appearance – Part 10: Assessment of degree of filiform corrosion (ISO 4628-10:2024; EN ISO 4628-10:2024)

HRN EN 17980:2024 en pr  
Alge i proizvodi na bazi algi – Uzorkovanje – Smjernice za definiranje programa uzorkovanja i protokola uzorkovanja (EN 17980:2024)  
Algae and algae products – Sampling – Guidelines for the definition of sampling programs and sampling protocols (EN 17980:2024)

HRN EN ISO/ASTM 52909:2024 en pr  
Aditivna proizvodnja metala – Svojstva gotovih dijelova – Ovisnost mehaničkih svojstava metalnih dijelova o orijentaciji i mjestu (ISO/ASTM 52909:2024; EN ISO/ASTM 52909:2024)  
Additive manufacturing of metals – Finished part properties – Orientation and location dependence of mechanical properties for metal parts (ISO/ASTM 52909:2024; EN ISO/ASTM 52909:2024)

HRN EN ISO/ASTM 52927:2024 en pr  
Aditivna proizvodnja – Opća načela – Glavne značajke i odgovarajuće metode ispitivanja (ISO/ASTM 52927:2024; EN ISO/ASTM 52927:2024)  
Additive manufacturing – General principles – Main characteristics and corresponding test methods (ISO/ASTM 52927:2024; EN ISO/ASTM 52927:2024)

HRN EN ISO/ASTM 52933:2024 en pr  
Aditivna 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 52933:2024; EN ISO/ASTM 52933:2024)  
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 52933:2024; EN ISO/ASTM 52933:2024)

## HZN/TU N1, Nemetalni materijali 1

HRN EN ISO 2620:2024 en pr  
Analiza prirodnog plina – Biometan – Određivanje sadržaja hlapivih organskih sastojaka (VOC) plinskom kromatografijom toplinskom desorpcijom uz ionizaciju plamenom i/ili detektorima za spektrometriju masa (ISO 2620:2024; EN ISO 2620:2024)  
Analysis of natural gas – Biomethane – Determination of VOCs by thermal desorption gas chromatography with flame ionization and/or mass spectrometry detectors (ISO 2620:2024; EN ISO 2620:2024)

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

HRN EN ISO 5365:2024 en pr  
Stomatologija – Sustav označavanja faza razvoja zuba (ISO 5365:2024; EN ISO 5365:2024)  
Dentistry – Designation system for tooth development stages (ISO 5365:2024; EN ISO 5365:2024)

HRN EN ISO 8362-2:2024 en pr  
Posude za injekcije i pribor – 2. dio: Zatvarači za injekcijske bočice (ISO 8362-2:2024; EN ISO 8362-2:2024)  
Injection containers and accessories – Part 2: Closures for injection vials (ISO 8362-2:2024; EN ISO 8362-2:2024)

HRN EN ISO 10394:2024 en pr  
Stomatologija – Sustav označavanja prekobrojnih zuba (ISO 10394:2023; EN ISO 10394:2024)  
Dentistry – Designation system for supernumerary teeth (ISO 10394:2023; EN ISO 10394:2024)

HRN EN ISO 16021:2024 en pr  
Upijajući proizvodi za urinarnu i/ili fekalnu inkontinenciju – Osnovna načela ocjenjivanja jednokratnih proizvoda za inkontinenciju kod odraslih s gledišta korisnika i njegovatelja (ISO 16021:2024; EN ISO 16021:2024)  
Absorbent incontinence products for urine and/or faeces – Basic principles for evaluation of single-use adult products from the perspective of users and caregivers (ISO 16021:2024; EN ISO 16021:2024)

HRN EN 17854:2024 en pr  
Antimikrobni povoji za rane – Zahtjevi i metoda ispitivanja (EN 17854:2024)  
Antimicrobial wound dressings – Requirements and test method (EN 17854:2024)

HRN EN ISO 81060-2:2019/A2:2024 en pr  
Neinvazivni sfigmomanometri – 2. dio: Klinička ispitivanja automatiziranih vrsta mjerenja (ISO 81060-2:2018/Amd 2:2024; EN ISO 81060-2:2019/A2:2024)  
Non-invasive sphygmomanometers – Part 2: Clinical investigation of intermittent automated measurement type (ISO 81060-2:2018/Amd 2:2024; EN ISO 81060-2:2019/A2:2024)

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

HRN EN 2939:2024 en pr  
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 (EN 2939:2024)  
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 (EN 2939:2024)

HRN EN 9102:2024 en pr  
Zrakoplovstvo – Sustavi kvalitete – Zahtjevi za ispitivanje prvog uzorka (EN 9102:2024)  
Aerospace series – Quality systems – First Article Inspection requirements (EN 9102:2024)

## **HZN/TU U1, Opća elektrotehnika 1**

HRN EN IEC 60068-2-86:2024 en pr  
Ispitivanje utjecaja okoliša – Dio 2-86: Ispitivanja – Ispitivanje Fx: Vibracije – Metoda višestrukih pobudnika i osi (IEC 60068-2-86:2024; EN IEC 60068-2-86:2024)  
Environmental testing – Part 2-86: Tests – Test Fx: Vibration – Multi-exciter and multi-axis method (IEC 60068-2-86:2024; EN IEC 60068-2-86:2024)

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

HRN EN IEC 60352-9:2024 en pr  
Nelemljeni spojevi – 9. dio: Ultrazvučno zavareni spojevi – Opći zahtjevi, metode ispitivanja i praktične upute (IEC 60352-9:2024; EN IEC 60352-9:2024)  
Solderless connections – Part 9: Ultrasonically welded connections – General requirements, test methods and practical guidance (IEC 60352-9:2024; EN IEC 60352-9:2024)

HRN EN IEC 60794-1-311:2024 en pr  
Svjetlovodni kabeli – Dio 1-311: Generička specifikacija – Osnovni postupci ispitivanja svjetlovodnih kabela – Metode ispitivanja elemenata kabela – Ispitivanje vlačne čvrstoće i istezanja kabela kabela, metoda G11A (IEC 60794-1-311:2024; EN IEC 60794-1-311:2024)  
Optical fibre cables – Part 1-311: Generic specification – Basic optical cable test procedures – Cable element test methods – Tensile strength and elongation test for cable elements, Method G11A (IEC 60794-1-311:2024; EN IEC 60794-1-311:2024)

HRN EN IEC 60794-1-312:2024 en pr  
Svjetlovodni kabeli – Dio 1-312: Generička specifikacija – Osnovni postupci ispitivanja svjetlovodnih kabela – Metode ispitivanja elemenata kabela – Ispitivanje istezanja za puferske cijevi, metoda G11B (IEC 60794-1-312:2024; EN IEC 60794-1-312:2024)  
Optical fibre cables – Part 1-312: Generic specification – Basic optical cable test procedures – Cable element test methods – Elongation test for buffer tubes, Method G11B (IEC 60794-1-312:2024; EN IEC 60794-1-312:2024)

HRN EN IEC 60794-2-23:2024 en pr  
Svjetlovodni kabeli – Dio 2-23: Kabeli u zatvorenom prostoru – Detaljna specifikacija za kabele s više vlakana za upotrebu u sklopovima kabela s MPO konektorom (IEC 60794-2-23:2024; EN IEC 60794-2-23:2024)  
Optical fibre cables – Part 2-23: Indoor cables – Detail specification for multi-fibre cables for use in MPO connector terminated cable assemblies (IEC 60794-2-23:2024; EN IEC 60794-2-23:2024)

HRN EN IEC 60939-3:2024 en pr  
Pasivni filtri za gušenje elektromagnetskih smetnji – 3. dio: Pasivni filtri za koje su potrebna odgovarajuća sigurnosna ispitivanja (IEC 60939-3:2024; EN IEC 60939-3:2024)  
Passive filter units for electromagnetic interference suppression – Part 3: Passive filter units for which safety tests are appropriate (IEC 60939-3:2024; EN IEC 60939-3:2024)

HRN EN IEC 61169-10:2024 en pr  
Radiofrekvencijski konektori – 10. dio: Sekcijska specifikacija za radiofrekvencijske koaksijalne konektore s unutarnjim promjerom vanjskog vodiča 3 mm (0,12 inča) s uskočnim spojem – Karakteristične impedancije 50 Ω (Tip SMB) (IEC 61169-10:2024; EN IEC 61169-10:2024)  
Radio-frequency connectors – Part 10: Sectional specification for RF coaxial connectors with inner diameter of outer conductor 3 mm (0,12 in) with snap-on coupling – Characteristic impedance 50 Ω (Type SMB) (IEC 61169-10:2024; EN IEC 61169-10:2024)

HRN EN IEC 61169-70:2024 en pr  
Radiofrekvencijski konektori – 70. dio: Sekcijska specifikacija za seriju radiofrekvencijskih koaksijalnih HD-BNC konektora – Karakteristične impedancije 75 Ω (IEC 61169-70:2024; EN IEC 61169-70:2024)  
Radio-frequency connectors – Part 70: Sectional specification for series HD-BNC radio-frequency coaxial connectors – Characteristic Impedance 75 Ω (IEC 61169-70:2024; EN IEC 61169-70:2024)

HRN EN IEC 61189-2-720:2024 en pr  
Metode ispitivanja za električne materijale, tiskane pločice i druge strukture i sklopove za međusobno povezivanje – Dio 2-720: Otkrivanje nedostataka u strukturama međusobnog povezivanja mjerenjem kapacitivnosti (IEC 61189-2-720:2024; EN IEC 61189-2-720:2024)  
Test methods for electrical materials, circuit boards and other interconnection structures and assemblies – Part 2-720: Detection of defects in interconnection structures by measurement of capacitance (IEC 61189-2-720:2024; EN IEC 61189-2-720:2024)

HRN EN IEC 61300-2-44:2024 en pr  
Svjetlovodni uređaji za međusobno spajanje i pasivne komponente – Osnovni postupci ispitivanja i mjerenja – Dio 2-44: Ispitivanje – Savijanje vučnog rasterećenja svjetlovodnih uređaja i komponenti (IEC 61300-2-44:2024; EN IEC 61300-2-44:2024)  
Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 2-44: Tests – Flexing of the strain relief of fibre optic devices and components (IEC 61300-2-44:2024; EN IEC 61300-2-44:2024)

HRN EN IEC 63281-2-1:2024 en pr  
Električna vozila za prijevoz osoba i robe – Dio 2-1: Sigurnosni zahtjevi i metode ispitivanja za osobna električna vozila za prijevoz osoba i robe (IEC 63281-2-1:2024; EN IEC 63281-2-1:2024)  
E-Transporters – Part 2-1: Safety requirements and test methods for personal e-Transporters (IEC 63281-2-1:2024; EN IEC 63281-2-1:2024)

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

HRN EN 17929:2024 en pr  
Usluge prijevoza vakuumskim vlakovima (EN 17929:2024)  
Hyperloop Transport Services (EN 17929:2024)



- HRN EN IEC 60676:2024 en pr  
Oprema za električno grijanje u industriji – Metode ispitivanja za izravne elektrolučne peći (IEC 60676:2024; EN IEC 60676:2024)  
Industrial electroheating equipment – Test methods for direct arc furnaces (IEC 60676:2024; EN IEC 60676:2024)
- HRN EN 60704-2-14:2013/A2:2024 en pr  
Kućanski i slični električni aparati – Ispitne odredbe za određivanje uzdušne buke – Dio 2-14: Posebni zahtjevi za hladnjake, komore za smrznutu hranu i zamrzivače (IEC 60704-2-14:2013/am2:2024; EN 60704-2-14:2013/A2:2024)  
Household and similar electrical appliances – Test code for the determination of airborne acoustical noise – Part 2-14: Particular requirements for refrigerators, frozen-food storage cabinets and food freezers (IEC 60704-2-14:2013/am2:2024; EN 60704-2-14:2013/A2:2024)
- HRN EN IEC 62282-6-101:2024 en pr  
Tehnologija gorivih članaka – Dio 6-101: Energetski sustavi s gorivim mikročlancima – Sigurnost – Opći zahtjevi (IEC 62282-6-101:2024; EN IEC 62282-6-101:2024)  
Fuel cell technologies – Part 6-101: Micro fuel cell power systems – Safety – General requirements (IEC 62282-6-101:2024; EN IEC 62282-6-101:2024)
- HRN EN IEC 62282-6-106:2024 en pr  
Tehnologija gorivih članaka – Dio 6-106: Energetski sustavi s gorivim mikročlancima – Sigurnost – Indirektne smjese razreda 8 (korozivne) (IEC 62282-6-106:2024; EN IEC 62282-6-106:2024)  
Fuel cell technologies – Part 6-106: Micro fuel cell power systems – Safety – Indirect Class 8 (corrosive) compounds (IEC 62282-6-106:2024; EN IEC 62282-6-106:2024)
- HRN EN IEC 63118-1:2024 en pr  
Litij-ionske sekundarne baterije 12V za pokretanje, osvjetljenje, paljenje (SLI) i pomoćne svrhe – 1. dio: Opći zahtjevi i metode ispitivanja (IEC 63118-1:2024; EN IEC 63118-1:2024)  
12 V lithium-ion secondary batteries for automotive starting, lighting, ignition (SLI) applications and auxiliary purposes – Part 1: General requirements and methods of test (IEC 63118-1:2024; EN IEC 63118-1:2024)

### 1.3 Prijedlozi za prihvaćanje stranih norma u izvorniku

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

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

#### HZN/TO 6, *Papir, karton i pulpe*

prEN ISO 3035 en  
Corrugated fibreboard – Determination of flat crush resistance (ISO/DIS 3035:2024)  
Valoviti karton – Određivanje otpornosti na plošni pritisak (ISO/DIS 3035:2024)

prEN ISO 9706 en  
Information and documentation – Paper for documents – Requirements for permanence (ISO/DIS 9706:2024)  
Informacije i dokumentacija – Papir za dokumente – Zahtjevi za postojanost (ISO/DIS 9706:2024)

#### HZN/TO 22, *Cestovna vozila*

prEN ISO 15118-21 en  
Road vehicles – Vehicle to grid communication interface – Part 21: Common 2nd generation network layer and application layer requirements conformance test plan (ISO/DIS 15118-21:2024)  
Cestovna vozila – Komunikacijsko sučelje između vozila i električne mreže – 21. dio: Zajednički ispitni plan za provjeru sukladnosti zahtjeva mrežnog sloja 2. generacije i aplikacijskog sloja (ISO/DIS 15118-21:2024)

prEN 18060 en  
Road vehicles – Rechargeable batteries with internal energy storage – Performance of alkali-ion (Li-ion, Na-ion), Pb, NiMH and combined chemistries EV modules and batteries  
Cestovna vozila – Punjive baterije s unutarnjim skladištenjem energije – Značajke alkalno-ionskih (Li-ion, Na-ion), Pb, NiMH i kombiniranih kemijskih modula i baterija električnih vozila

prEN 18061 en  
Road vehicles – Electrically propelled vehicles – Steps, conditions and protocols for the safe repair and re-use of modules and batteries originally designed for EV applications  
Cestovna vozila – Vozila na električni pogon – Koraci, uvjeti i protokoli za siguran popravak i ponovnu uporabu modula i baterija izvorno razvijenih za primjenu u električnim vozilima

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

EN 15522-2:2023/prA1 en  
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  
Identifikacija izlivanja nafte – Nafta i naftni proizvodi – 2. dio: Analička metodologija i tumačenje rezultata na temelju GC-FID i GC-MS analize niske rezolucije

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

prEN ISO 18363-3 en  
Animal and vegetable fats and oils – Determination of fatty-acid-bound chloropropanediols (MCPDs) and glycidol by GC/MS – Part 3: Method using acid transesterification and measurement for 2-MCPD, 3-MCPD and glycidol (ISO/FDIS 18363-3:2024)  
Životinjske i biljne masti i ulja – Određivanje kloropropanediola (MCPD) i glicidola vezanih na masne kiseline pomoću GC/MS-a – 3. dio: Metoda na temelju transesterifikacije kiselinama i mjerenja 2-MCPD, 3-MCPD i glicidola (ISO/FDIS 18363-3:2024)

#### HZN/TO 46, *Bibliotekarstvo, dokumentacija i informacije*

ISO 11620:2023 en  
Information and documentation – Library performance indicators  
Informacije i dokumentacija – Pokazatelji učinka knjižnice

ISO 11798:2023 en  
Information and documentation – Permanence and durability of writing, printing and copying on paper – Requirements and test methods  
Informacije i dokumentacija – Postojanost i trajnost zapisa, tiska i kopiranja na papiru – Zahtjevi i postupci ispitivanja

ISO 15706-1:2023 en  
Information and documentation – International Standard Audiovisual Number (ISAN) – Part 1: Audiovisual work identifier  
Informacije i dokumentacija – Međunarodni standardni audiovizualni broj (ISAN) – 1. dio: Identifikator audiovizualnog djela

ISO 15706-2:2023 en  
Information and documentation – International Standard Audiovisual Number (ISAN) – Part 2: Version identifier  
Informacije i dokumentacija – Međunarodni standardni audiovizualni broj (ISAN) – 2. dio: Identifikator inačice

ISO 16245:2023 en  
Information and documentation – Boxes, file covers and other enclosures, made from cellulosic materials, for storage of paper and parchment documents  
Informacije i dokumentacija – Kutije, fascikli i druge spremnice, načinjeni od celuloznih materijala, za pohranu papirnatih i pergamentnih dokumenata

ISO 21127:2023 en  
Information and documentation – A reference ontology for the interchange of cultural heritage information  
Informacije i dokumentacija – Referentna ontologija za razmjenu podataka o kulturnoj baštini

ISO 28560-1:2023 en  
Information and documentation – RFID in libraries – Part 1: Data elements and general guidelines for implementation  
Informacije i dokumentacija – RFID u knjižnicama – 1. dio: Elementi podataka i opće smjernice za provedbu

ISO 28560-2:2023 en  
Information and documentation – RFID in libraries – Part 2: Encoding of RFID data elements based on rules from ISO/IEC 15962  
Informacije i dokumentacija – RFID u knjižnicama – 2. dio: Kodiranje RFID elemenata podataka na temelju pravila iz norme ISO/IEC 15962

ISO 28560-3:2023 en  
Information and documentation – RFID in libraries – Part 3: Fixed length encoding  
Informacije i dokumentacija – RFID u knjižnicama – 3. dio: Kodiranje fiksne dužine

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

EN 16583:2022/prA1 en  
Heat exchangers – Hydronic room fan coils units – Determination of the sound power level  
Izmjenjivači topline – Sobni ventilokonvektori voda-zrak – Određivanje razine zvučne snage

#### HZN/TO 92, *Zaštita od požara*

prEN ISO 9239-1 en  
Reaction to fire tests for floorings – Part 1: Determination of the burning behaviour using a radiant heat source (ISO/DIS 9239-1:2024)  
Ispitivanja reakcije na požar podnih obloga – 1. dio: Određivanje ponašanja pri gorenju uporabom izvora koji zrači toplinu (ISO/DIS 9239-1:2024)

prEN 14135 en  
Covering – Determination of fire protection ability  
Obloga – Određivanje sposobnosti zaštite od požara

#### HZN/TO 120, *Koža i obuća*

prEN ISO 23649 en  
Chemicals for the leather tanning industry – Determination of cyclosiloxanes in waterproofing fatliquors (ISO/DIS 23649:2024)

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

prEN ISO 11197 en  
Medical supply units (ISO/DIS 11197:2024)  
Medicinski opskrbeni uređaji (ISO/DIS 11197:2024)

prEN ISO 18777-1 en  
Transportable liquid oxygen systems for medical use  
– Part 1: Common requirements and particular requirements  
for base units (ISO/DIS 18777-1:2024)  
Prijenosni sustavi s tekućim kisikom za medicinsku uporabu  
– 1. dio: Zajednički zahtjevi i posebni zahtjevi za jedinice za  
punjenje (ISO/DIS 18777-1:2024)

prEN ISO 18777-2 en  
Transportable liquid oxygen systems for medical use  
– Part 2: Portable units (ISO/DIS 18777-2:2024)  
Prijenosni sustavi s tekućim kisikom za medicinsku uporabu  
– 2. dio: Jedinice za isporuku kisika (ISO/DIS 18777-2:2024)

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

prEN ISO 15708-1 en  
Non-destructive testing – Radiation methods for computed  
tomography – Part 1: Terminology (ISO/DIS 15708-1:2024)  
Nerazorno ispitivanje – Metode zračenja za računalnu  
tomografiju – 1. dio: Nazivlje (ISO/DIS 15708-1:2024)

prEN ISO 19675 en  
Non-destructive testing – Ultrasonic testing – Specification  
for a calibration block for phased array testing (PAUT)  
(ISO 19675:2017)

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

prEN 1705 en  
Plastics piping systems – Thermoplastics valves – Test  
method for the integrity of a valve after an external blow  
Plastični cijevni sustavi – Plastomerni ventili – Metoda  
ispitivanja za očuvanje funkcije ventila nakon vanjskog  
udarnog opterećenja

FprCEN/TS 14758-2 en  
Plastics piping systems for non-pressure underground  
drainage and sewerage – Polypropylene with mineral  
modifiers (PP-MD) – Part 2: Assessment of conformity  
Plastični cijevni sustavi za netlačnu podzemnu odvodnju i  
kanalizaciju – Polipropilen s mineralnim modifikatorom(ima)  
(PP-MD) – 2. dio: Ocjena sukladnosti

FprCEN/TS 15223 en  
Plastic piping systems – Structural design of buried  
thermoplastics piping systems – Procedure and guidance  
under various conditions of loading  
Plastični cijevni sustavi – Strukturno projektiranje ukopanih  
plastomernih cijevnih sustava – Postupci i smjernice pri  
različitim uvjetima opterećenja

prEN 16903 en  
Plastic piping systems buried outside the building structure  
– Environmental product declarations – Product Category  
rules complementary to EN 15804

prEN 16904 en  
Plastics piping systems inside the building structure  
– Environmental product declarations – Product category  
rules complementary to EN 15804

FprCEN/TS 17152-4 en  
Plastics piping systems for non-pressure underground  
conveyance and storage of surface water – Boxes  
used for infiltration, attenuation and storage systems  
– Part 4: Guidance for structural design of modular systems  
Plastični cijevni sustavi za netlačnu podzemnu odvodnju  
i akumulaciju površinske vode – Spremnici za sustave  
ispuštanja, privremene i trajne akumulacije – 4. dio: Upute za  
statički proračun modularnih sustava

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

EN 71-2:2020/prA1 en  
Safety of toys – Part 2: Flammability  
Sigurnost igračka – 2. dio: Zapaljivost

EN 71-3:2019+A1:2021/prA2 en  
Safety of toys – Part 3: Migration of certain elements  
Sigurnost igračka – 3. dio: Otpuštanje određenih elemenata

### **HZN/TO 215, Zdravstvena informatika**

prEN ISO 11073-10421 en  
Health informatics – Device interoperability – Part 10421:  
Personal Health Device Communication – Device  
Specialization – Peak expiratory flow monitor (peak flow)  
(ISO/IEEE FDIS 11073-10421:2024)

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

prEN ISO 4937 en  
Steel and iron – Determination of chromium content  
– Potentiometric or visual titration method (ISO/DIS 4937:2024)

prEN 10379 en  
Steel sheet piles – Test methods

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

EN ISO 8407:2021/prA1 en  
Corrosion of metals and alloys – Removal of corrosion products  
from corrosion test specimens (ISO 8407:2021/DAMd 1:2024)  
Korozija metala i legura – Uklanjanje korozivskih produkata s  
uzoraka za ispitivanje korozije (ISO 8407:2021/DAMd 1:2024)

prEN ISO 15589-1 en  
Oil and gas industries including lower carbon energy  
– Cathodic protection of pipeline systems – Part 1: On-land  
pipelines (ISO/DIS 15589-1:2024)  
Industrija nafte i prirodnoga plina – Katodna zaštita  
cjevovodnih transportnih sustava – 1. dio: Cjevovodi na kopnu  
(ISO/DIS 15589-1:2024)

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

prEN ISO 12747 en  
Oil and gas industries including lower carbon energy  
– Pipeline transportation systems – Recommended practice  
for pipeline life extension (ISO/DIS 12747:2024)  
Industrije nafte i plina uključujući energiju s niskim udjelom  
ugljika – Sustavi transporta cjevovodima – Preporučena praksa  
za produljenje vijeka trajanja cjevovoda (ISO/DIS 12747:2024)

### **HZN/TO 524, Inteligentni transportni sustavi**

prEN ISO 17573-3 en  
Electronic fee collection – System architecture for vehicle-related  
tolling – Part 3: Data dictionary (ISO/DIS 17573-3:2024)  
Elektronička naplata – Arhitektura sustava za naplatu cestarina  
za vozila – 3. dio: Rječnik podataka (ISO/DIS 17573-3:2024)

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

prEN 1427 en  
Bitumens and bituminous binders – Determination of the  
softening point – Ring and Ball method  
Bitumen i bitumenska veziva – Određivanje točke razmekšanja  
– Metoda prstena i kuglice

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

EN 16839:2022/prA1 en  
Railway applications – Rolling stock – Head stock layout  
Željeznički sustav – Željeznička vozila – Raspored opreme na  
čelnoj gredi vozila

prEN ISO 24478 en  
Railway applications – Braking – General vocabulary  
(ISO 24478:2023)  
Željeznički sustav – Kočenje – Opći rječnik (ISO 24478:2023)

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

prEN 1493 en  
Vehicle lifts  
Dizala za vozila

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

prEN 15347-2 en  
Plastics – Sorted plastics wastes – Part 2: Quality grades of  
sorted Polyethylene (PE) wastes and specific test methods

prEN 15347-3 en  
Plastics – Sorted plastics wastes – Part 3: Quality grades of  
sorted Polypropylene (PP) wastes and specific test methods

prEN 15347-4 en  
Plastics – Sorted plastics wastes – Part 4: Quality grades of  
sorted poly(ethylene terephthalate) (PET) wastes and specific  
test methods

prEN 15347-5 en  
Plastics – Sorted plastics wastes – Part 5: Quality grades  
of sorted poly(vinyl chloride) (PVC) wastes and specific test  
methods

prEN 15347-6 en  
Plastics – Sorted plastics wastes – Part 6: Quality grades of sorted polystyrene (PS) wastes and specific test methods

prEN 18065 en  
Plastics – Recycled plastics – Classification of recycled plastics based on Data Quality Levels for use and (digital) trading

prEN 18066 en  
Plastics – Design for recycling of PVC based profiles for construction products

prEN 18067 en  
Plastics – Recycled plastics – Characterization of Acrylonitrile-Butadiene-Styrene (ABS) recyclates

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

prEN ISO 21028-1 en  
Cryogenic vessels – Toughness requirements for materials at cryogenic temperature – Part 1: Temperatures below - 80 degrees C (ISO/DIS 21028-1:2024)  
Kriogenične posude – Zahtjevi za žilavost za materijale pri niskim temperaturama – 1. dio: Temperature ispod - 80 °C (ISO/DIS 21028-1:2024)

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

EN 14501:2021/prA1 en  
Blinds and shutters – Thermal and visual comfort – Performance characteristics and classification  
Sjenila i zasloni – Toplinska i vizualna udobnost – Izvedbene značajke i razredba

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

prEN ISO 5459 en  
Geometrical product specifications (GPS) – Geometrical tolerancing – Datums and datum systems (ISO/DIS 5459:2024)  
Geometrijske specifikacije proizvoda (GSP) – Geometrijske tolerancije – Reference i sustavi referenci (ISO/DIS 5459:2024)

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

EN ISO 5801:2017/prA1 en  
Fans – Performance testing using standardized airways (ISO 5801:2017/DAmD 1:2024)  
Ventilatori – Ispitivanje značajki pomoću standardiziranih zračnih kanala (ISO 5801:2017/DAmD 1:2024)

prEN 14336 en  
Heating and cooling systems in buildings – Installation and commissioning of water based heating and cooling systems  
Sustavi grijanja i hlađenja u zgradama – Ugradnja i puštanje u rad vodenih sustava grijanja i hlađenja

prEN 17671 en  
Heating systems and water-based cooling systems in buildings – Design for water-based cooling systems  
Sustavi grijanja i vodenih sustava hlađenja u zgradama – Projektiranje vodenih sustava hlađenja

### **HZN/TO 548, Konstrukcijski eurokodovi**

EN 1990:2023/prA1 en  
Eurocode – Basis of structural and geotechnical design – Part 1: New structures  
Eurokod – Osnove projektiranja konstrukcija i geotehničkog projektiranja – 1. dio: Nove konstrukcije

prEN 1990-2 en  
Eurocode – Basis of structural and geotechnical design – Part 2: Assessment of existing structures  
Eurokod – Osnove projektiranja konstrukcija i geotehničkog projektiranja – 2. dio: Ocjenjivanje postojećih konstrukcija

prEN 1991-1-4 en  
Eurocode 1 – Actions on structures – Part 1-4: Wind actions  
Eurokod 1 – Djelovanja na konstrukcije – Dio 1-4: Djelovanja vjetra

prEN 1991-1-6 en  
Eurocode 1 – Actions on structures – Part 1-6: Actions during execution  
Eurokod 1 – Djelovanja na konstrukcije – Dio 1-6: Djelovanja tijekom izvedbe

prEN 1991-1-8 en  
Eurocode 1 – Actions on structures – Part 1-8: Actions from waves and currents on coastal structures  
Eurokod 1 – Djelovanja na konstrukcije – Dio 1-8: Djelovanja valova i struja na obalne konstrukcije

prEN 1991-3 en  
Eurocode 1 – Actions on structures – Part 3: Actions induced by cranes and machines  
Eurokod 1 – Djelovanja na konstrukcije – 3. dio: Djelovanja prouzročena kranovima i strojevima

prEN 1991-4 en  
Eurocode 1 – Actions on structures – Part 4: Silos and tanks  
Eurokod 1 – Djelovanja na konstrukcije – 4. dio: Silosi i spremnici tekućina

prEN 1993-1-11 en  
Eurocode 3 – Design of steel structures – Part 1-11: Tension components  
Eurokod 3 – Projektiranje čeličnih konstrukcija – Dio 1-11: Vlačni dijelovi

prEN 1993-2 en  
Eurocode 3 – Design of steel structures – Part 2: Bridges  
Eurokod 3 – Projektiranje čeličnih konstrukcija – 2. dio: Mostovi

prEN 1993-3 en  
Eurocode 3 – Design of steel structures – Part 3: Towers, masts and chimneys  
Eurokod 3 – Projektiranje čeličnih konstrukcija – 3. dio: Tornjevi, jarboli i dimnjaci

prEN 1993-4-1 en  
Eurocode 3 – Design of steel structures – Part 4-1: Silos  
Eurokod 3 – Projektiranje čeličnih konstrukcija – Dio 4-1: Silosi

prEN 1993-4-2 en  
Eurocode 3 – Design of steel structures – Part 4-2: Tanks  
Eurokod 3 – Projektiranje čeličnih konstrukcija – Dio 4-2: Spremnici

prEN 1993-6 en  
Eurocode 3 – Design of steel structures – Part 6: Crane supporting structures  
Eurokod 3 – Projektiranje čeličnih konstrukcija – 6. dio: Konstrukcije kranskih staza

prEN 1994-1-1 en  
Eurocode 4 – Design of composite steel and concrete structures – Part 1-1: General rules and rules for buildings  
Eurokod 4 – Projektiranje spregnutih čelično-betonskih konstrukcija – Dio 1-1: Opća pravila i pravila za zgrade

prEN 1994-1-2 en  
Eurocode 4 – Design of composite steel and concrete structures – Part 1-2: Structural fire design  
Eurokod 4 – Projektiranje spregnutih čelično-betonskih konstrukcija – Dio 1-2: Proračun konstrukcija na djelovanje požara

prEN 1994-2 en  
Eurocode 4 – Design of composite steel and concrete structures – Part 2: Bridges  
Eurokod 4 – Projektiranje spregnutih čelično-betonskih konstrukcija – 2. dio: Mostovi

### **HZN/TO 550, Opskrba vodom**

prEN 1018 en  
Chemicals used for treatment of water intended for human consumption – Calcium carbonate  
Kemikalije koje se upotrebljavaju u obradi vode namijenjene ljudskoj potrošnji – Kalcijev karbonat

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

prEN ISO 16757-4 en  
Data structures for electronic product catalogues for building services – Part 4: Dictionary structures for product catalogue (ISO/DIS 16757-4:2024)

prEN ISO 16757-5 en  
Data structures for electronic product catalogues for building services – Part 5: Product catalogue exchange format (ISO/DIS 16757-5:2024)



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

EN ISO 10993-4:2017/prA1 en  
Biological evaluation of medical devices – Part 4: Selection of tests for interactions with blood (ISO 10993-4:2017/DAmD 1:2024)  
Biološka procjena medicinskih proizvoda – 4. dio: Odabir ispitivanja za interakciju s krvlju (ISO 10993-4:2017/DAmD 1:2024)

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

EN 13451-3:2022/prA1 en  
Swimming pool equipment – Part 3: Additional specific safety requirements and test methods for inlets and outlets and water/air based water leisure features installed in pools for public use  
Oprema za bazene – 3. dio: Dodatni posebni sigurnosni zahtjevi i metode ispitivanja za dovode i odvode i vodeno-zračne atrakcije na javnim bazenima

prEN 18039 en  
Mountaineering equipment – Autobelay devices for recreational use – Safety requirements and test methods  
Planinarska oprema – Uređaji za samoosiguranje za rekreacijsku primjenu – Sigurnosni zahtjevi i metode ispitivanja

## **HZN/TO 576, Psi pomagači**

prEN 17984-4 en  
Assistance dogs – Part 4: Pre-training, training and tasks  
Psi pomagači – 4. dio: Pripremna obuka, obuka i zadaci

## **HZN/TO 578, Elektronička javna nabava**

prEN 17015-2 en  
Electronic Public Procurement – Catalogue – Part 2: Transactions

## **HZN/TO 579, Robotika, sustavi automatizacije i integracije**

prEN ISO/IEC 25059 en  
Software engineering – Systems and software Quality Requirements and Evaluation (SQuARE) – Quality model for AI systems (ISO/IEC 25059:2023)  
Programsko inženjerstvo – Zahtjevi za kvalitetu i vrednovanje sustava i programskih proizvoda (SQuARE) – Model kvalitete za sustave umjetne inteligencije (ISO/IEC 25059:2023)

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

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

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

prEN IEC 63341-1:2024 en  
Railway applications – Rolling stock – Fuel cell systems for propulsion – Part 1: Fuel cell system (IEC 63341-1 ED1)

prEN IEC 63341-2:2024 en  
Railway applications – Rolling stock – Fuel cell systems for propulsion – Part 2: Hydrogen storage system (IEC 63341-2 ED1)

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

EN IEC 60947-3:2021/prA1:2024 en  
Low-voltage switchgear and controlgear – Part 3: Switches, disconnectors, switch-disconnectors and fuse-combination units (IEC 60947-3/am1 ED4)  
Niskonaponska sklopna aparatura – 3. dio: Sklopke, rastavljači, rastavne sklopke i kombinacije s osiguračima (IEC 60947-3/am1 ED4)

prEN IEC 62271-201:2024 en  
High-voltage switchgear and controlgear – Part 201: AC solid-insulation enclosed switchgear and controlgear for rated voltages above 1 kV and up to and including 52 kV (IEC 62271-201 ED3)  
Visokonaponska sklopna aparatura – 201. dio: Sklopna aparatura izmjenične struje s krutim izolacijskim plaštem za nazivne napone iznad 1 kV do uključujući 52 kV (IEC 62271-201 ED3)

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

prEN IEC 60079-19:2024 en  
Explosive atmospheres – Part 19: Equipment repair, overhaul and reclamation (IEC 60079-19 ED5)  
Eksplozivne atmosfere – 19. dio: Popravak, obnova i pregradnja opreme (IEC 60079-19 ED5)

## **HZN/TO E55, Žice za namote**

EN IEC 60317-27-1:2020/prA1:2024 en  
Specifications for particular types of winding wires – Part 27-1: Paper tape covered round copper wire (IEC 60317-27-1/am1 ED1)  
Specifikacije pojedinih vrsta žica za namote – Dio 27-1: Okrugla bakrena žica prekrivena papirnom trakom (IEC 60317-27-1/am1 ED1)

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

prEN IEC 63322:2024 en  
Security of medical electrical equipment containing high-activity sealed radioactive sources (IEC 63322 ED1)

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

prEN IEC 62541-15:2024 en  
OPC Unified Architecture – Part 15: Safety (IEC 62541-15 ED1)  
OPC objedinjena arhitektura – 15. dio: Sigurnost (IEC 62541-15 ED1)

prEN IEC 62828-1:2024 en  
Reference conditions and procedures for testing industrial and process measurement transmitters – Part 1: General procedures for all types of transmitters (IEC 62828-1 ED2)  
Početni uvjeti i postupci za ispitivanje industrijskih mjernih prijenosnika – 1. dio: Općeniti postupci za sve vrste prijenosnika (IEC 62828-1 ED2)

prEN IEC 62828-2:2024 en  
Reference conditions and procedures for testing industrial and process measurement transmitters – Part 2: Specific procedures for pressure transmitters (IEC 62828-2 ED2)  
Početni uvjeti i postupci za ispitivanje industrijskih mjernih prijenosnika – 2. dio: Posebni postupci za prijenosnike tlaka (IEC 62828-2 ED2)

## **HZN/TO E69, Cestovna i industrijska električna vozila**

prEN IEC 63382-1:2024 en  
Management of distributed energy storage systems based on electrically chargeable vehicles (ECV-DESS) – Part 1: Definitions, requirements and use cases (IEC 63382-1 ED1)

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

prEN IEC 60730-2-14:2024 en  
Automatic electrical controls – Part 2-14: Particular requirements for electric actuators (IEC 60730-2-14 ED3)  
Električne naprave za automatsko upravljanje – Dio 2-14: Posebni zahtjevi za električne izvršne članove (aktuatori) (IEC 60730-2-14 ED3)

prEN IEC 60730-2-6:2024 en  
Automatic electrical controls – Part 2-6: Particular requirements for automatic electrical pressure sensing controls including mechanical requirements (IEC 60730-2-6 ED4)  
Električne naprave za automatsko upravljanje – Dio 2-6: Posebni zahtjevi za električne regulatore tlaka, uključujući mehaničke zahtjeve (IEC 60730-2-6 ED4)

prEN IEC 60730-2-8:2024 en  
Automatic electrical controls – Part 2-8: Particular requirements for electrically operated water valves, including mechanical requirements (IEC 60730-2-8 ED4)  
Električne naprave za automatsko upravljanje – Dio 2-8: Posebni zahtjevi za električne ventile za vodu, uključujući mehaničke zahtjeve (IEC 60730-2-8 ED4)

## **HZN/TU B1, Graditeljstvo 1**

prEN 14383-1 en  
Crime prevention through building design, urban planning and city maintenance – Part 1: Vocabulary  
Prevenција zločina kroz projektiranje zgrada, prostorno planiranje i održavanje gradova – 1. dio: Terminološki rječnik

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

prEN ISO 7012-1 en

Paints and varnishes – Determination of preservatives in water-dilutable coating materials – Part 1: Determination of in-can free formaldehyde (ISO/DIS 7012-1:2024)  
Boje i lakovi – Određivanje konzervansa u vodotopljivim premaznim materijalima – 1. dio: Određivanje slobodnog formaldehida u limenci (ISO/DIS 7012-1:2024)

prEN ISO 7012-2 en

Paints and varnishes – Determination of preservatives in water-dilutable coating materials – Part 2: Determination of in-can total formaldehyde (ISO/DIS 7012-2:2024)  
Boje i lakovi – Određivanje konzervansa u vodotopljivim premaznim materijalima – 2. dio: Određivanje ukupnog formaldehida u limenci (ISO/DIS 7012-2:2024)

prEN ISO 7012-3 en

Paints and varnishes – Determination of preservatives in water-dilutable coating materials – Part 3: Determination of in-can isothiazolinones with LC/UV and LC-MS-MS (ISO/DIS 7012-3:2024)  
Boje i lakovi – Određivanje konzervansa u vodotopljivim premaznim materijalima – 3. dio: Određivanje izotiazolinona u limenci sa LC/UV i LC-MS-MS (ISO/DIS 7012-3:2024)

prEN 18070 en

Performance of wood adhesives at high temperatures and fire – Test methods, evaluation and classification  
Svojstva adheziva za drvo pri visokim temperaturama i požaru – Metode ispitivanja, vrednovanje i klasifikacija

prEN ISO 29862 en

Self adhesive tapes – Determination of peel adhesion properties (ISO/DIS 29862:2024)  
Samoljepljive trake – Određivanje piling svojstava prljanja (ISO/DIS 29862:2024)

prEN ISO/ASTM 52940 en

Additive manufacturing of ceramics – Feedstock materials – Characterization of ceramic slurry in vat photopolymerization (ISO/ASTM DIS 52940:2024)

## **HZN/TU I2, Strojarsvo 2**

prEN ISO 8529-3 en

Neutron reference radiation fields – Part 3: Calibration of area and personal dosimeters and determination of their response as a function of neutron energy and angle of incidence (ISO 8529-3:2023, including corrected version 2023-09)  
Referentna polja neutronskog zračenja – 3. dio: Umjeravanje površinskih i osobnih dozimetara i određivanje njihova odziva kao funkcije energije neutrona i kuta upada (ISO 8529-3:2023, uključujući ispravljenu verziju 2023-09)

prEN ISO 9271 en

Decontamination of radioactively contaminated surfaces – Testing of decontamination agents for textiles (ISO 9271:2023)  
Dekontaminacija radioaktivno kontaminiranih površina – Ispitivanje sredstava za dekontaminaciju tekstila (ISO 9271:2023)

prEN 13042-3 en

Machines and plants for the manufacture, treatment and processing of hollow glass – Safety requirements – Part 3: IS machines  
Strojevi i postrojenja za izradu, obradu i preradu šupljeg stakla – Sigurnosni zahtjevi – 3. dio: IS strojevi

prEN ISO 18589-2 en

Measurement of radioactivity in the environment – Soil – Part 2: Guidance for the selection of the sampling strategy, sampling and pre-treatment of samples (ISO 18589-2:2022)  
Mjerenje radioaktivnosti u okolišu – Tlo – 2. dio: Smjernice za odabir strategije uzorkovanja, uzorkovanje i prethodnu obradu uzoraka (ISO 18589-2:2022)

prEN ISO 20044 en

Measurement of radioactivity in the environment – Air: aerosol particles – Test method using sampling by filter media (ISO 20044:2022)  
Mjerenje radioaktivnosti u okolišu – Zrak: čestice aerosola – Metoda ispitivanja uzorkovanjem pomoću medija za filter (ISO 20044:2022)

prEN ISO 20045 en

Measurement of the radioactivity in the environment – Air: tritium – Test method using bubbler sampling (ISO 20045:2023)  
Mjerenje radioaktivnosti u okolišu – Zrak: tricij – Metoda ispitivanja uzorkovanjem mjehurićima (ISO 20045:2023)

prEN ISO 23588 en

Radiological protection – General requirements for proficiency tests for in vivo radiobioassay (ISO 23588:2023)  
Radiološka zaštita – Opći zahtjevi za testove osposobljenosti za in vivo radiobiološku analizu (ISO 23588:2023)

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

EN 1885:2018/prA1 en

Feather and down – Terms and definitions  
Perje i pahuljica – Nazivi i definicije

prEN ISO 19628 en

Fine ceramics (advanced ceramics, advanced technical ceramics) – Thermophysical properties of ceramic composites – Determination of specific heat capacity (ISO/DIS 19628:2024)

prEN ISO 22459 en

Fine ceramics (advanced ceramics, advanced technical ceramics) – Reinforcement of ceramic composites – Determination of distribution of tensile strength and tensile strain to failure of filaments within a multifilament tow at ambient temperature (ISO/FDIS 22459:2024)

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

prEN ISO 6877 en

Dentistry – Endodontic obturating materials (ISO/DIS 6877:2024)  
Stomatologija – Materijali za punjenje korijenskih kanala (ISO/DIS 6877:2024)

prEN ISO 7405 en

Dentistry – Evaluation of biocompatibility of medical devices used in dentistry (ISO/DIS 7405:2024)  
Stomatologija – Ocjenjivanje biokompatibilnosti medicinskih proizvoda koji se primjenjuju u stomatologiji (ISO/DIS 7405:2024)

EN ISO 11199-2:2021/prA1 en

Assistive products for walking manipulated by both arms – Requirements and test methods – Part 2: Rollators – Amendment 1: Eliminate brake requirements in 6.5 Structure requirements (ISO 11199-2:2021/DAMd 1:2024)  
Dvoručna pomagala za hodanje – Zahtjevi i metode ispitivanja – 2. dio: Ortopedska kolica za hodanje (rolatori) – Amandman 1: Uklanjanje zahtjeva povezanih s kočnicama u točki 6.5  
Zahtjevi za konstrukciju (ISO 11199-2:2021/DAMd 1:2024)

prEN ISO 16408 en

Dentistry – Oral care products – Oral rinses (ISO/DIS 16408:2024)  
Stomatologija – Proizvodi za higijenu usne šupljine – Otopine za ispiranje usta (ISO/DIS 16408:2024)

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

prEN 3639 en

Aerospace series – Heat-resisting alloy X6NiCrTiMoV26-15 (1.4980) – Softened and cold worked – Wires for forged fasteners –  $D \leq 15 \text{ mm}$  –  $900 \text{ MPa} \leq R_m \leq 1\,100 \text{ MPa}$   
Zrakoplovstvo – Legura otporna na toplinu X6NiCrTiMoV26-15 (1.4980) – Omekšana i hladno obrađena – Žice za kovane spojne elemente –  $D \leq 15 \text{ mm}$  –  $900 \text{ MPa} \leq R_m \leq 1\,100 \text{ MPa}$

prEN 3646-001 en

Aerospace series – Connectors, electrical, circular, bayonet coupling, operating temperature 175 °C or 200 °C continuous – Part 001: Technical specification  
Zrakoplovstvo – Spojnice, električne, kružne, bajonetni spoj, stalne radne temperature 175 °C ili 200 °C – Dio 001: Tehnička specifikacija

prEN 3646-004 en

Aerospace series – Connectors, electrical, circular, bayonet coupling, operating temperature 175 °C continuous – Part 004: Receptacle, jam-nut mounting – Product standard  
Zrakoplovstvo – Spojnice, električne, kružne, bajonetni spoj, stalne radne temperature 175 °C – Dio 004: Utična kutija, namijenjena ugradbi nabijanjem – Norma za proizvod

prEN 3646-006 en  
Aerospace series – Connectors, electrical, circular, bayonet coupling, operating temperature 175 °C or 200 °C continuous – Part 006: Receptacle, hermetic, jam-nut mounting – Product standard  
Zrakoplovstvo – Spojnice, električne, kružne, bajonetni spoj, stalne radne temperature 175 °C ili 200 °C – Dio 006: Utičnica, hermetička, ugradnja s kontra maticom – Norma za proizvod

prEN 4533-001 en  
Aerospace series – Fibre optic systems – Handbook – Part 001: Termination methods and tools  
Zrakoplovstvo – Sustavi optičkih vlakana – Priručnik – Dio 001: Metode i alati za prekidanje

prEN 4533-002 en  
Aerospace series – Fibre optic systems – Handbook – Part 002: Test and measurement  
Zrakoplovstvo – Sustavi optičkih vlakana – Priručnik – Dio 002: Ispitivanje i mjerenje

prEN 4533-003 en  
Aerospace series – Fibre optic systems – Handbook – Part 003: Looming and installation practices  
Zrakoplovstvo – Sustavi optičkih vlakana – Priručnik – Dio 003: Postavljanje plašta i praksa instaliranja

prEN 4604-010 en  
Aerospace series – Cable, electrical, for signal transmission – Part 010 : Cable, coaxial, light weight, 50 ohms, 200 °C, type KX (light WD) – Product standard  
Zrakoplovstvo – Kabel, električni, za prijenos signala – Dio 010: Kabel, koaksijalni, lagani, 50 Oma, 200 °C, tip KX (lagani WD) – Norma za proizvod

prEN 4700-001 en  
Aerospace series – Steel and heat-resisting alloys – Wrought products – Technical specification – Part 001: Plates, sheets and strips  
Zrakoplovstvo – Čelik i legure otporne na toplinu – Gnječeni proizvodi – Tehnička specifikacija – Dio 001: Ploča, lim i traka

prEN 4700-002 en  
Aerospace series – Steel and heat-resisting alloys – Wrought products – Technical specification – Part 002: Bars and sections  
Zrakoplovstvo – Čelik i legure otporne na toplinu – Gnječeni proizvodi – Tehnička specifikacija – Dio 002: Šipke i profili

prEN 4700-003 en  
Aerospace series – Steel and heat-resisting alloys – Wrought products – Technical specification – Part 003: Tubes  
Zrakoplovstvo – Čelik i legure otporne na toplinu – Gnječeni proizvodi – Tehnička specifikacija – Dio 003: Cijevi

prEN 4700-004 en  
Aerospace series – Steel and heat-resisting alloys – Wrought products – Technical specification – Part 004: Wires  
Zrakoplovstvo – Čelik i legure otporne na toplinu – Gnječeni proizvodi – Tehnička specifikacija – Dio 004: Žice

prEN 4700-005 en  
Aerospace series – Steel and heat-resisting alloys – Wrought products – Technical specification – Part 005: Forging stocks  
Zrakoplovstvo – Čelik i legure otporne na toplinu – Gnječeni proizvodi – Tehnička specifikacija – Dio 005: Materijal namijenjen kovanju

prEN 4700-006 en  
Aerospace series – Steel and heat-resisting alloys – Wrought products – Technical specification – Part 006: Pre-production and production forgings  
Nizovi o zrakoplovstvu – Čelik i legure otporne na toplinu – Gnječeni proizvodi – Tehnička specifikacija – Dio 006: Obrada i izrada otkivaka

prEN 4700-007 en  
Aerospace series – Steel and heat-resisting alloys – Wrought products – Technical specification – Part 007: Remelting stocks  
Zrakoplovstvo – Čelik i legure otporne na toplinu – Gnječeni proizvodi – Tehnička specifikacija – Dio 007: Materijali za pretaljanje

prEN 9276 en  
Aerospace series – Programme management – Recommendations for the implementation of the integrated logistic support

prEN 16605 en  
Space – Galileo Timing Receiver – Functional and Performance Requirements and associated Tests

## HZN/TU V1, *Elektronika 1*

prEN IEC 60794-1-110:2024 en  
Optical fibre cables – Part 1-110: Generic specification – Basic optical cable test procedures – Mechanical tests methods – Kink, Method E10 (IEC 60794-1-110 ED1)

prEN IEC 60794-1-124:2024 en  
Optical fibre cables – Part 1-124: Generic specification – Basic optical cable test procedures – Mechanical tests methods – Installation test for microduct cabling, Method E24 (IEC 60794-1-124 ED1)

prEN IEC 62037-1:2024 en  
Passive RF and microwave devices, intermodulation level measurement – Part 1: General requirements and measuring methods (IEC 62037-1 ED3)  
Pasivni radiofrekvencijski (RF) i mikrovalni uređaji, mjerenje razine intermodulacije – 1. dio: Opći zahtjevi i metode mjerenja (IEC 62037-1 ED3)

prEN IEC 62037-3:2024 en  
Passive RF and microwave devices, intermodulation level measurement – Part 3: Measurement of passive intermodulation in coaxial connectors (IEC 62037-3 ED3)  
Pasivni radiofrekvencijski (RF) i mikrovalni uređaji, mjerenje razine intermodulacije – 3. dio: Mjerenje pasivne intermodulacije u koaksijalnim konektorima (IEC 62037-3 ED3)

prEN IEC 62391-2:2024 en  
Fixed electric double-layer capacitors for use in electronic equipment – Part 2: Sectional specification – Electric double layer capacitors for power application (IEC 62391-2 ED2)

EN IEC 63203-402-2:2024 en  
Wearable electronic devices and technologies – Part 402-2: Performance measurement of fitness wearables – Step counting (IEC 63203-402-2:2024)  
Nosivi elektronički uređaji i tehnologije – Dio 402-2: Mjerenje performansi nosivih uređaja za tjelesnu aktivnost – Brojanje koraka (IEC 63203-402-2:2024)

prEN IEC 63402-1:2024 en  
Energy efficiency systems – Smart grid – Application specification – Interface and framework for customer, interface between the CEM and home/building resource manager – General requirements and architecture (IEC 63402-1 ED1)

prEN IEC 63409-3:2024 en  
Photovoltaic power generating systems connection with grid – Testing of power conversion equipment – Part 3: Basic operations (IEC 63409-3 ED1)

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

EN IEC 60691:2023/prA1:2024 en  
Thermal-links – Requirements and application guide (IEC 60691/am1 ED5)  
Toplinski zaštitni ulošci – Zahtjevi i upute za primjenu (IEC 60691/am1 ED5)

EN 60704-2-6:2012/prAB:2024 en  
Household and similar electrical appliances – Test code for the determination of airborne acoustical noise – Part 2-6: Particular requirements for tumble dryers  
Kućanski i slični električni aparati – Ispitne odredbe za određivanje uzdušne buke – Dio 2-6: Posebni zahtjevi za bubnjaste sušilice rublja

EN 60879:2019/prA1:2024 en  
Comfort fans and regulators for household and similar purposes – Methods for measuring performance (IEC 60879/am1 ED2)  
Sobni ventilatori i regulatori za kućne i slične namjene – Metode za mjerenje radnih značajki (IEC 60879/am1 ED2)

EN 61121:2013/prAB:2024 en  
Tumble dryers for household use – Methods for measuring the performance  
Električne bubnjaste sušilice rublja za kućansku uporabu – Ispitne metode za mjerenje radnih značajki

EN IEC 62841-4-3:2021/prA1:2024 en  
Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 4-3: Particular requirements for pedestrian controlled walk-behind lawnmowers (IEC 62841-4-3/am1 ED1)  
Ručni elektromotorni alati, prijenosni alati i mehanizacija za travnjake i vrtove – Sigurnost – Dio 4-3: Posebni zahtjevi za kosilice koje pješice gura i njima upravlja čovjek (IEC 62841-4-3/am1 ED1)



EN IEC 62841-4-3:2021/prAB:2024 en  
Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 4-3: Particular requirements for pedestrian controlled walk-behind lawnmowers  
Ručni elektromotorni alati, prijenosni alati i mehanizacija za travnjake i vrtove – Sigurnost – Dio 4-3: Posebni zahtjevi za kosilice koje pješice gura i njima upravlja čovjek

prEN IEC 62933-5-2:2024 en  
Electrical energy storage (EES) systems – Part 5-2: Safety requirements for grid-integrated EES systems – Electrochemical-based systems (IEC 62933-5-2 ED2)  
Sustavi za pohranu električne energije (EES) – Dio 5-2: Sigurnosni zahtjevi za sustave za pohranu električne energije integrirane u mrežu – Sustavi na elektrokemijskoj osnovi (IEC 62933-5-2 ED2)

prEN IEC 63341-3:2024 en  
Railway applications – Fuel cell systems for rolling stock – Part 3: Performance test methods for fuel cell power systems (IEC 63341-3 ED1)

prEN IEC 63522-37:2024 en  
Electrical relays – Tests and Measurements – Part 37: Terminal temperature rise at rated load (IEC 63522-37 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 12625-15:2015 en  
Tanki upijajući papiri (tissue) i proizvodi od tankoga upijajućeg papira – 15. dio: Određivanje optičkih svojstava – Mjerenje svjetline i boje pomoću rasvjetnog tijela C/2° (unutarnja dnevna svjetlost) (ISO 12625-15:2015; EN ISO 12625-15:2015)  
Tissue paper and tissue products – Part 15: Determination of optical properties – Measurement of brightness and colour with C/2° (indoor daylight) illuminant (ISO 12625-15:2015; EN ISO 12625-15:2015)  
- zamijenjena s: HRN EN ISO 12625-15:2022

HRN EN ISO 15755:2008 en  
Papir i karton – Procjena nepripadajućih primjesa (ISO 15755:1999; EN ISO 15755:1999)  
Paper and board – Estimation of contraries (ISO 15755:1999; EN ISO 15755:1999)  
- bez zamjene

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

HRN DIN VDE 0833-2:2018 de  
Sustavi za uzbunjivanje zbog požara, provale i prepada – 2. dio: Zahtjevi za sustave za požarno uzbunjivanje (DIN VDE 0833-2:2017)  
Gefahrenmeldeanlagen für Brand, Einbruch und Überfall – Teil 2: Festlegungen für Brandmeldeanlagen (DIN VDE 0833-2:2017)  
- zamijenjena s: HRN DIN VDE 0833-2:2024

HRN DIN VDE 0833-2:2018/Ispr.1:2019 de  
Sustavi za uzbunjivanje zbog požara, provale i prepada – 2. dio: Zahtjevi za sustave za požarno uzbunjivanje (DIN VDE 0833-2:2017/Berichtigung 1:2019)  
Gefahrenmeldeanlagen für Brand, Einbruch und Überfall – Teil 2: Festlegungen für Brandmeldeanlagen (DIN VDE 0833-2:2017/Berichtigung 1:2019)  
- zamijenjena s: HRN DIN VDE 0833-2:2024

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

HRN EN 589:2022 en  
Goriva za motorna vozila – UNP – Zahtjevi i metode ispitivanja (EN 589:2018+A1:2022)  
Automotive fuels – LPG – Requirements and test methods (EN 589:2018+A1:2022)  
- zamijenjena s: HRN EN 589:2024

HRN EN ISO 12185:1999 en  
Nafta i naftni proizvodi – Određivanje gustoće – Metoda s oscilirajućom U-cijevi (ISO 12185:1996; EN ISO 12185:1996)  
Crude petroleum and petroleum products – Determination of density – Oscillating U-tube method (ISO 12185:1996; EN ISO 12185:1996)  
- zamijenjena s: HRN EN ISO 12185:2024

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

HRI CEN ISO/TR 3834-6:2008 en  
Zahtjevi za kvalitetu zavarivanja taljenjem metalnih materijala – 6. dio: Smjernice za primjenu norme ISO 3834 (ISO/TR 3834-6:2007; CEN ISO/TR 3834-6:2007)  
Quality requirements for fusion welding of metallic materials – Part 6: Guidelines on implementing ISO 3834 (ISO/TR 3834-6:2007; CEN ISO/TR 3834-6:2007)  
- zamijenjena s: HRN EN ISO 3834-6:2024



HRN EN ISO 9692-2:1999 en  
Zavarivanje i srodni procesi – Priprema spoja – 2. dio: Zavarivanje čelika pod praškom (ISO 9692-2:1998; EN ISO 9692-2:1998 + Ispravak:1999)  
Welding and allied processes – Joint preparation – Part 2: Submerged arc welding of steels (ISO 9692-2:1998; EN ISO 9692-2:1998+AC:1999)  
- zamijenjena s: HRN EN ISO 9692-2:2024

HRN EN ISO 15610:2023 en  
Specifikacija i kvalifikacija postupaka zavarivanja za metalne materijale – Kvalifikacija na osnovi ispitanih dodatnih i potrošnih materijala za zavarivanje (ISO 15610:2023; EN ISO 15610:2023)  
Specification and qualification of welding procedures for metallic materials – Qualification based on tested welding consumables (ISO 15610:2023; EN ISO 15610:2023)  
- zamijenjena s: HRN EN ISO 15610:2024

#### **HZN/TO 46, Bibliotekarstvo, dokumentacija i informacije**

HRN CR 12804:2001 en  
Konceptualni model i taksonomija za inženjerstvo informacijskih sustava (CR 12804:1997)  
Conceptual model and taxonomy for information systems engineering (CR 12804:1997)  
- bez zamjene

#### **HZN/TO 74, Cement i vapno**

HRN EN 13282-3:2015 en  
Hidraulična veziva za ceste – 3. dio: Vrednovanje sukladnosti (EN 13282-3:2015)  
Hydraulic road binders – Part 3: Conformity evaluation (EN 13282-3:2015)  
- zamijenjena s: HRN EN 13282-3:2024

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

HRN EN 12178:2016 en  
Rashladni sustavi i dizalice topline – Indikatori razine kapljevine – Zahtjevi, ispitivanje i označavanje (EN 12178:2016)  
Refrigerating systems and heat pumps – Liquid level indicating devices – Requirements, testing and marking (EN 12178:2016)  
- zamijenjena s: HRN EN ISO 21922:2021

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

HRN EN 622-4:2019 en  
Ploče vlaknatice – Specifikacije – 4. dio: Zahtjevi za lake ploče (EN 622-4:2019)  
Fibreboards – Specifications – Part 4: Requirements for softboards (EN 622-4:2019)  
- zamijenjena s: HRN EN 622-4:2024

#### **HZN/TO 108, Mehaničke vibracije i udari**

HRN CR 12349:2000 en  
Mehaničke vibracije – Smjernice o zdravstvenome učinku vibracija na ljudsko tijelo (CR 12349:1996)  
Mechanical vibration – Guide to the health effects of vibration on the human body (CR 12349:1996)  
- bez zamjene

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

HRN EN ISO 15002:2010 en  
Mjerni uređaji protoka koji se spajaju na priključnu jedinicu medicinskoga plinovodnog sustava (ISO 15002:2008; EN ISO 15002:2008)  
Flow-metering devices for connection to terminal units of medical gas pipeline systems (ISO 15002:2008; EN ISO 15002:2008)  
- zamijenjena s: HRN EN ISO 15002:2024

#### **HZN/TO 136, Namještaj**

HRN EN 747-1:2015 en  
Namještaj – Kreveti na kat i povišeni kreveti – 1. dio: Zahtjevi za sigurnost, čvrstoću i izdržljivost (EN 747-1:2012+A1:2015)  
Furniture – Bunk beds and high beds – Part 1: Safety, strength and durability requirements (EN 747-1:2012+A1:2015)  
- zamijenjena s: HRN EN 747-1:2024

HRN EN 747-2:2015 en  
Namještaj – Kreveti na kat i povišeni kreveti – 2. dio: Metode ispitivanja (EN 747-2:2012+A1:2015)  
Furniture – Bunk beds and high beds – Part 2: Test methods (EN 747-2:2012+A1:2015)  
- zamijenjena s: HRN EN 747-2:2024

HRN EN 14073-2:2008 en  
Uredski namještaj – Namještaj za pohranu – 2. dio: Sigurnosni zahtjevi (EN 14073-2:2004)  
Office furniture – Storage furniture – Part 2: Safety requirements (EN 14073-2:2004)  
- zamijenjena s: HRN EN 16121:2024

HRN EN 15186:2012 en  
Namještaj – Procjena otpornosti površine na ogrebotine (EN 15186:2012)  
Furniture – Assessment of the surface resistance to scratching (EN 15186:2012)  
- zamijenjena s: HRN EN 15186:2024

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

HRS CEN/TS 14632:2012 en  
Plastični cijevni sustavi za tlačnu i netlačnu odvodnju, kanalizaciju i opskrbu vodom – Staklom ojačani duromeri (GRP) na osnovi nezasićenih poliestera (UP) – Upute za ocjenjivanje sukladnosti (CEN/TS 14632:2012)  
Plastics piping systems for drainage, sewerage and water supply, pressure and non-pressure – Glass-reinforced thermosetting plastics (GRP) based on unsaturated polyester resin (UP) – Guidance for the assessment of conformity (CEN/TS 14632:2012)  
- zamijenjena s: HRS CEN/TS 14632:2024

#### **HZN/TO 146, Kvaliteta zraka**

HRN EN ISO 16000-9:2008 en  
Zrak u zatvorenom prostoru – 9. dio: Određivanje emisije hlapljivih organskih spojeva iz građevnih proizvoda i proizvoda za namještanje prostora – Metoda emisijske ispitne komore (ISO 16000-9:2006+Cor 1:2007; EN ISO 16000-9:2006+AC:2007)  
Indoor air – Part 9: Determination of the emission of volatile organic compounds from building products and furnishing – Emission test chamber method (ISO 16000-9:2006+Cor 1:2007; EN ISO 16000-9:2006+AC:2007)  
- zamijenjena s: HRN EN ISO 16000-9:2024

HRN EN ISO 16000-11:2008 en  
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 16000-11:2006; EN ISO 16000-11:2006)  
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 16000-11:2006; EN ISO 16000-11:2006)  
- zamijenjena s: HRN EN ISO 16000-11:2024

#### **HZN/TO 147/PO 2, Kvaliteta vode; Fizikalno-kemijske metode ispitivanja**

HRN EN ISO 17294-1:2008 en  
Kakvoća vode – Primjena masene spektrometrije s induktivno spregnutom plazmom (ICP-MS) za određivanje elemenata – 1. dio: Opće smjernice i osnovna načela (ISO 17294-1:2004; EN ISO 17294-1:2006)  
Water quality – Application of inductively coupled plasma mass spectrometry (ICP-MS) – Part 1: General guidelines (ISO 17294-1:2004; EN ISO 17294-1:2006)  
- zamijenjena s: HRN EN ISO 17294-1:2024

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

HRN EN 16783:2017 en  
Toplinsko-izolacijski proizvodi – Pravila za razvrstavanje proizvoda (PCR), za tvornički proizvedene i na licu mjesta oblikovane proizvode, u svrhu sastavljanja izjava o utjecaju proizvoda na okoliš (EN 16783:2017)  
Thermal insulation products – Product category rules (PCR) for factory made and in-situ formed products for preparing environmental product declarations (EN 16783:2017)  
- zamijenjena s: HRN EN 16783:2024

## **HZN/TO 238, Čvrsta biogoriva**

HRN EN ISO 18134-2:2017 en  
Čvrsta biogoriva – Određivanje udjela vlage – Metoda sušionika – 2. dio: Ukupna vlaga – Pojednostavljena metoda (ISO 18134-2:2017; EN ISO 18134-2:2017)  
Solid biofuels – Determination of moisture content – Oven dry method – Part 2: Total moisture – Simplified method (ISO 18134-2:2017; EN ISO 18134-2:2017)  
- zamijenjena s: HRN EN ISO 18134-2:2024

HRN EN ISO 18846:2016 en  
Čvrsta biogoriva – Određivanje udjela finih čestica u peletima (ISO 18846:2016; EN ISO 18846:2016)  
Solid biofuels – Determination of fines content in quantities of pellets (ISO 18846:2016; EN ISO 18846:2016)  
- zamijenjena s: HRN EN ISO 5370:2023

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

HRN EN 683-2:2008 en  
Aluminij i aluminijeve legure – Materijal za izmjenjivače topline – 2. dio: Mehanička svojstva (EN 683-2:2006)  
Aluminium and aluminium alloys – Finstock – Part 2: Mechanical properties (EN 683-2:2006)  
- zamijenjena s: HRN EN 683-2:2024

HRN EN 10251:2015 en  
Magnetni materijali – Metode određivanja geometrijskih karakteristika elektrolimova i traka (EN 10251:2015)  
Magnetic materials – Methods of determination of the geometrical characteristics of electrical steel sheet and strip (EN 10251:2015)  
- zamijenjena s: HRN EN 10251:2024

HRN EN 10348-2:2018 en  
Čelik za armiranje betona – Galvanizirani čelik za armiranje – 2. dio: Galvanizirani proizvodi iz čelika za armiranje (EN 10348-2:2018)  
Steel for the reinforcement of concrete – Galvanized reinforcing steel – Part 2: Galvanized reinforcing steel products (EN 10348-2:2018)  
- zamijenjena s: HRN EN 10348:2024

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

HRN EN ISO 13702:2015 en  
Industrija nafte i prirodnoga plina – Kontrola i suzbijanje požara i eksplozija na odobalnim proizvodnim postrojenjima – Zahtjevi i smjernice (ISO 13702:2015; EN ISO 13702:2015)  
Petroleum and natural gas industries – Control and mitigation of fires and explosions on offshore production installations – Requirements and guidelines (ISO 13702:2015; EN ISO 13702:2015)  
- zamijenjena s: HRN EN ISO 13702:2024

## **HZN/TO 513, Mjerne jedinice i mjerila**

HRS CEN ISO/TS 25377:2009 en  
Smjernice za određivanje mjerne nesigurnosti u hidrometriji (ISO/TS 25377:2007; CEN ISO/TS 25377:2007)  
Hydrometric uncertainty guidance (HUG) (ISO/TS 25377:2007; CEN ISO/TS 25377:2007)  
- zamijenjena s: HRN EN ISO 25377:2023

## **HZN/TO 524, Inteligentni transportni sustavi**

HRN EN ISO 13141:2016 en  
Elektronička naplata – Komunikacija pojačane lokalizacije za autonomne sustave (ISO 13141:2015; EN ISO 13141:2015)  
Electronic fee collection – Localisation augmentation communication for autonomous systems (ISO 13141:2015; EN ISO 13141:2015)  
- zamijenjena s: HRN EN ISO 13141:2024

HRN EN ISO 13141:2016/A1:2017 en  
Elektronička naplata – Komunikacija pojačane lokalizacije za autonomne sustave (ISO 13141:2015/Amd 1:2017; EN ISO 13141:2015/A1:2017)  
Electronic fee collection – Localisation augmentation communication for autonomous systems (ISO 13141:2015/Amd 1:2017; EN ISO 13141:2015/A1:2017)  
- zamijenjena s: HRN EN ISO 13141:2016

HRN EN ISO 21177:2023 en  
Inteligentni transportni sustavi – Sigurnosne usluge ITS stanice za sigurno uspostavljanje sesije i provjeru autentičnosti između pouzdanih uređaja (ISO 21177:2023; EN ISO 21177:2023)  
Intelligent transport systems – ITS station security services for secure session establishment and authentication between trusted devices (ISO 21177:2023; EN ISO 21177:2023)  
- zamijenjena s: HRN EN ISO 21177:2024

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

HRN EN 12606-2:2008 en  
Bitumen i bitumenska veziva – Određivanje sadržaja parafina – 2. dio: Metoda ekstrakcijom (EN 12606-2:1999)  
Bitumen and bituminous binders – Determination of the paraffin wax content – Part 2: Method of extraction (EN 12606-2:1999)  
- bez zamjene

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

HRN EN 16272-1:2013 en  
Željeznički sustav – Željeznički gornji ustroj – Zvučne zapreke i odgovarajući uređaji koji djeluju na rasprostiranje zvuka zrakom – Ispitne metode za određivanje akustičnih svojstava – 1. dio: Unutarnja svojstva – Apsorpcija zvuka u laboratorijskim uvjetima difuznog zvučnog polja (EN 16272-1:2012)  
Railway applications – Track – Noise barriers and related devices acting on airborne sound propagation – Test method for determining the acoustic performance – Part 1: Intrinsic characteristics – Sound absorption in the laboratory under diffuse sound field conditions (EN 16272-1:2012)  
- bez zamjene

HRN EN 16272-2:2013 en  
Željeznički sustav – Željeznički gornji ustroj – Zvučne zapreke i odgovarajući uređaji koji djeluju na rasprostiranje zvuka zrakom – Ispitne metode za određivanje akustičnih svojstava – 2. dio: Unutarnja svojstva – Zračna zvučna izolacija u laboratorijskim uvjetima difuznog zvučnog polja (EN 16272-2:2012)  
Railway applications – Track – Noise barriers and related devices acting on airborne sound propagation – Test method for determining the acoustic performance – Part 2: Intrinsic characteristics – Airborne sound insulation in the laboratory under diffuse sound field conditions (EN 16272-2:2012)  
- zamijenjena s: HRN EN 16272-2:2024

HRS CEN/TS 16272-5:2014 en  
Željeznički sustav – Željeznički gornji ustroj – Zvučne zapreke i odgovarajući uređaji koji djeluju na rasprostiranje zvuka zrakom – Metoda ispitivanja za određivanje akustičnih svojstava – 5. dio: Unutarnja svojstva – In situ vrijednosti refleksije zvuka pod izravnim utjecajem zvučnog polja (CEN/TS 16272-5:2014)  
Railway applications – Track – Noise barriers and related devices acting on airborne sound propagation – Test method for determining the acoustic performance – Part 5: Intrinsic characteristics – In situ values of sound reflection under direct sound field conditions (CEN/TS 16272-5:2014)  
- zamijenjena s: HRN EN 16272-5:2024

HRN EN 16272-6:2014 en  
Željeznički sustav – Željeznički gornji ustroj – Zvučne zapreke i odgovarajući uređaji koji djeluju na rasprostiranje zvuka zrakom – Metoda ispitivanja za određivanje akustičnih svojstava – 6. dio: Unutarnja svojstva – In situ vrijednosti izolacije od vanjske buke pod izravnim utjecajem zvučnog polja (EN 16272-6:2014)  
Railway applications – Track – Noise barriers and related devices acting on airborne sound propagation – Test method for determining the acoustic performance – Part 6: Intrinsic characteristics – In situ values of airborne sound insulation under direct sound field conditions (EN 16272-6:2014)  
- zamijenjena s: HRN EN 16272-6:2024

HRN EN 45545-3:2013 en  
Željeznički sustav – Zaštita od požara na željezničkim vozilima – 3. dio: Zahtjevi na vatrootpornost vatrootpornih barijera (EN 45545-3:2013)  
Railway applications – Fire protection on railway vehicles – Part 3: Fire resistance requirements for fire barriers (EN 45545-3:2013)  
- zamijenjena s: HRN EN 45545-3:2024

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

HRN EN 13557:2008 en  
Granici – Upravljački uređaji i njihov smještaj  
(EN 13557:2003+A2:2008)  
Cranes – Controls and control stations  
(EN 13557:2003+A2:2008)  
- zamijenjena s: HRN EN 13557:2024

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

HRN EN ISO 3451-4:2008 en  
Plastika – Određivanje pepela – 4. dio Poliamidi  
(ISO 3451-4:1998; EN ISO 3451-4:2000)  
Plastics – Determination of ash – Part 4: Polyamides  
(ISO 3451-4:1998; EN ISO 3451-4:2000)  
- zamijenjena s: HRN EN ISO 3451-4:2024

HRN EN 12814-7:2008 en  
Ispitivanje zavarenih spojeva plastomernih poluproizvoda  
– 7. dio: Ispitivanje rastezanjem sa strukiranim ispitcima  
(EN 12814-7:2002)  
Testing of welded joints of thermoplastics semi-finished  
products – Part 7: Tensile test with waisted test specimens  
(EN 12814-7:2002)  
- zamijenjena s: HRN EN 12814-7:2024

HRN EN ISO 22007-1:2017 en  
Plastika – Određivanje toplinske vodljivosti i toplinske  
difuzivnosti – 1. dio: Opća načela (ISO 22007-1:2017;  
EN ISO 22007-1:2017)  
Plastics – Determination of thermal conductivity and thermal  
diffusivity – Part 1: General principles (ISO 22007-1:2017;  
EN ISO 22007-1:2017)  
- zamijenjena s: HRN EN ISO 22007-1:2024

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

HRN EN 16005:2024 en  
Strojno pogonjena vrata za pješake – Sigurnost uporabe –  
Zahtjevi i metode ispitivanja (EN 16005:2023)  
Power operated pedestrian doorsets – Safety in use –  
Requirements and test methods (EN 16005:2023)  
- zamijenjena s: HRN EN 16005:2024

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

HRN EN ISO 4172:2008 en  
Technical drawings – Construction drawings – Drawings for  
the assembly of prefabricated structures (ISO 4172:1991;  
EN ISO 4172:1996)  
- zamijenjena s: HRN EN ISO 4172:2024

HRN EN ISO 7519:2004 en  
Tehnički crteži – Građevinski crteži – Opća načela prikaza  
općeg rasporeda i sklopnih crteža (ISO 7519:1991;  
EN ISO 7519:1996)  
Technical drawings – Construction drawings – General  
principles of presentation for general arrangement and  
assembly drawings (ISO 7519:1991; EN ISO 7519:1996)  
- zamijenjena s: HRN EN ISO 7519:2024

## **HZN/TO 550, Opskrba vodom**

HRN EN 15091:2014 en  
Sanitarne armature – Elektroničko otvaranje i zatvaranje  
sanitarnih armatura (EN 15091:2013)  
Sanitary tapware – Electronic opening and closing sanitary  
tapware (EN 15091:2013)  
- zamijenjena s: HRN EN 15091:2024

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

HRN EN ISO 16739-1:2020 en  
Industry Foundation Classes (IFC) za razmjenu podataka  
u građevinskoj industriji i industriji upravljanja održavanjem  
građevina – 1. dio: Shema podataka (ISO 16739-1:2018;  
EN ISO 16739-1:2020)  
Industry Foundation Classes (IFC) for data sharing in the  
construction and facility management industries – Part 1: Data  
schema (ISO 16739-1:2018; EN ISO 16739-1:2020)  
- zamijenjena s: HRN EN ISO 16739-1:2024

## **HZN/TO 554, Obrada otpadnih voda**

HRN EN 12255-5:2002 en  
Uređaji za pročišćivanje otpadnih voda – 5. dio: Primjena  
laguna (EN 12255-5:1999)  
Wastewater treatment plants – Part 5: Lagooning processes  
(EN 12255-5:1999)  
- zamijenjena s: HRN EN 12255-5:2024

HRN EN 12255-12:2005 en  
Uređaji za pročišćavanje otpadnih voda – 12. dio: Kontrola i  
automatizacija (EN 12255-12:2003)  
Wastewater treatment plants – Part 12: Control and  
automation (EN 12255-12:2003)  
- zamijenjena s: HRN EN 12255-12:2024

HRN EN 16941-1:2018 en  
Sustavi za prikupljanje nepitke vode koja se upotrebljava na licu  
mjestu – 1. dio: Sustavi za uporabu kišnice (EN 16941-1:2018)  
On-site non-potable water systems – Part 1: Systems for the  
use of rainwater (EN 16941-1:2018)  
- zamijenjena s: HRN EN 16941-1:2024

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

HRI CEN/TR 15133:2008 en  
Nomenklatura – Skupni nazivi i kodovi za skupine medicinskih  
proizvoda (CEN/TR 15133:2005)  
Nomenclature – Collective terms and codes for groups of  
medical devices (CEN/TR 15133:2005)  
- bez zamjene

HRI CEN/TR 17223:2018 en  
Upute o odnosu između norme EN ISO 13485:2016  
(Medicinski uređaji – Sustavi upravljanja kvalitetom – Zahtjevi  
za zakonsku namjenu) te Direktive EU-a o medicinskim  
proizvodima i Direktive EU-a o in vitro dijagnostičkim  
medicinskim proizvodima (CEN/TR 17223:2018)  
Guidance on the relationship between EN ISO 13485:2016  
(Medical devices – Quality management systems  
– Requirements for regulatory purposes) and European  
Medical Devices Regulation and In Vitro Diagnostic Medical  
Devices Regulation (CEN/TR 17223:2018)  
- bez zamjene

## **HZN/TO 556, Osobna zaštitna oprema**

HRN EN 168:2002 en  
Osobna zaštita očiju – Neoptičke metode ispitivanja  
(EN 168:2001)  
Personal eye protection – Non-optical test methods  
(EN 168:2001)  
- bez zamjene

HRN EN 175:2002 en  
Osobna zaštita – Oprema za zaštitu očiju i lica pri zavarivanju  
i srodnim procesima (EN 175:1997)  
Personal protection – Equipment for eye and face protection  
during welding and allied processes (EN 175:1997)  
- bez zamjene

HRN EN 352-6:2020 en  
Štitnici sluha – Sigurnosni zahtjevi – 6. dio: Ušne školjke sa  
sigurnosnim audio ulazom (EN 352-6:2020)  
Hearing protectors – Safety requirements – Part 6: Earmuffs  
with safety-related audio input (EN 352-6:2020)  
- zamijenjena s: HRN EN 352-6:2024

HRN EN 352-8:2020 en  
Štitnici sluha – Sigurnosni zahtjevi – 8. dio: Ušne školjke s  
audioulazom namijenjene zabavi (EN 352-8:2020)  
Hearing protectors – Safety requirements – Part 8:  
Entertainment audio earmuffs (EN 352-8:2020)  
- zamijenjena s: HRN EN 352-8:2024

HRN EN 352-9:2020 en  
Štitnici sluha – Sigurnosni zahtjevi – 9. dio: Ušni čepovi sa  
sigurnosnim audio ulazom (EN 352-9:2020)  
Hearing protectors – Safety requirements – Part 9: Earplugs  
with safety-related audio input (EN 352-9:2020)  
- zamijenjena s: HRN EN 352-9:2024



HRN EN 352-10:2020 en  
Štitnici sluha – Sigurnosni zahtjevi – 10. dio: Ušni čepovi s audioulazom namijenjeni zabavi (EN 352-10:2020)  
Hearing protectors – Safety requirements – Part 10: Entertainment audio earplugs (EN 352-10:2020)  
- zamijenjena s: HRN EN 352-10:2024

HRN EN 813:2010 en  
Osobna zaštitna oprema za sprečavanje pada s visine – Pojasovi za sjedenje (EN 813:2008)  
Personal fall protection equipment – Sit harnesses (EN 813:2008)  
- zamijenjena s: HRN EN 813:2024

HRN EN 13819-3:2019 en  
Štitnici sluha – Ispitivanje – 3. dio: Dodatne metode akustičkih ispitivanja (EN 13819-3:2019)  
Hearing protectors – Testing – Part 3: Supplementary acoustic test method (EN 13819-3:2019)  
- zamijenjena s: HRN EN 13819-3:2024

### **HZN/TO 558, Zaštita dišnih putova**

HRN EN 134:2002 hr,en,fr,de  
Zaštitne naprave za disanje – Nazivi dijelova (EN 134:1998)  
Respiratory protective devices – Nomenclature of components (EN 134:1998)  
- zamijenjena s: HRN EN 134:2024

### **HZN/TO 559, Zaporni, regulacijski i sigurnosni uređaji**

HRN EN 28233:2007 en  
Termoplastični zaporni uređaji – Okretni moment – Ispitna metoda (ISO 8233:1988; EN 28233:1990)  
Thermoplastics valves – Torque – Test method (ISO 8233:1988; EN 28233:1990)  
- zamijenjena s: HRN EN ISO 8233:2024

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

HRN EN ISO 105-B04:2003 en  
Tekstil – Ispitivanje postojanosti obojenja – Dio B04: Postojanost obojenja na umjetne atmosferske uvjete: Ispitivanje na blijedenje s Xenon lampom (ISO 105-B04:1994; EN ISO 105-B04:1997)  
Textiles – Tests for colour fastness – Part B04: Colour fastness to artificial weathering: Xenon arc fading lamp test (ISO 105-B04:1994; EN ISO 105-B04:1997)  
- zamijenjena s: HRN EN ISO 105-B04:2024

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

HRN EN ISO 22435:2008 en  
Plinske boce – Ventili za boce s regulatorom tlaka – Specifikacija i ispitivanje tipa (ISO 22435:2007; EN ISO 22435:2007)  
Gas cylinders – Cylinder valves with integrated pressure regulators – Specification and type testing (ISO 22435:2007; EN ISO 22435:2007)  
- zamijenjena s: HRN EN ISO 22435:2024

HRN EN ISO 22435:2008/A1:2013 en  
Plinske boce – Ventili za boce s regulatorom tlaka – Specifikacija i ispitivanje tipa (ISO 22435:2007/Amd 1:2012; EN ISO 22435:2007/A1:2012)  
Gas cylinders – Cylinder valves with integrated pressure regulators – Specification and type testing (ISO 22435:2007/Amd 1:2012; EN ISO 22435:2007/A1:2012)  
- zamijenjena s: HRN EN ISO 22435:2024

### **HZN/TO Z1, Informacijska tehnologija**

HRN EN ISO/IEC 15421:2008 en  
Informacijska tehnologija – Načini automatskog prepoznavanja i preuzimanja podataka – Specifikacije za provjeru izvornika crtičnoga koda (ISO/IEC 15421:2000; EN ISO/IEC 15421:2001)  
Information technology – Automatic identification and data capture techniques – Bar code master test specifications (ISO/IEC 15421:2000; EN ISO/IEC 15421:2001)  
- zamijenjena s: HRN EN ISO/IEC 15421:2024

HRN EN 17054:2019 en,fr,de  
Višejezični rječnik biometrije na osnovi engleske verzije ISO/IEC 2382-37:2012 (EN 17054:2019)  
Biometrics multilingual vocabulary based upon the English version of ISO/IEC 2382-37:2012 (EN 17054:2019)  
- zamijenjena s: HRN EN ISO/IEC 2382-37:2023

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

HRN EN ISO 4628-10:2016 en  
Boje i lakovi – Procjena propadanja prevlaka – Označavanje količine i veličine grešaka i intenzivnosti jednoličnih promjena izgleda – 10. dio: Ocjena stupnja nitaste korozije (ISO 4628-10:2016, ispravljena verzija 2016-06-01; EN ISO 4628-10:2016)  
Paints and varnishes – Evaluation of degradation of coatings – Designation of quantity and size of defects, and of intensity of uniform changes in appearance – Part 10: Assessment of degree of filiform corrosion (ISO 4628-10:2016, Corrected version 2016-06-01; EN ISO 4628-10:2016)  
- zamijenjena s: HRN EN ISO 4628-10:2024

HRN EN ISO 17296-3:2016 en  
Proizvodnja aditiva – Opća načela – 3. dio: Glavne značajke i odgovarajuće metode ispitivanja (ISO 17296-3:2014; EN ISO 17296-3:2016)  
Additive manufacturing – General principles – Part 3: Main characteristics and corresponding test methods (ISO 17296-3:2014; EN ISO 17296-3:2016)  
- zamijenjena s: HRN EN ISO/ASTM 52927:2024

HRN EN ISO/ASTM 52909:2022 en  
Aditivna proizvodnja metala – Svojstva gotovih dijelova – Ovisnost mehaničkih svojstava dijelova izrađenih stapanjem praškastih slojeva metala o orijentaciji i mjestu (ISO/ASTM 52909:2022; EN ISO/ASTM 52909:2022)  
Additive manufacturing of metals – Finished part properties – Orientation and location dependence of mechanical properties for metal powder bed fusion (ISO/ASTM 52909:2022; EN ISO/ASTM 52909:2022)  
- zamijenjena s: HRN EN ISO/ASTM 52909:2024

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

HRN EN 12788:2008 en  
Tehnička keramika – Mehanička svojstva keramičkih smjesa na visokim temperaturama u inertnoj atmosferi – Određivanje savojne čvrstoće (EN 12788:2005)  
Advanced technical ceramics – Mechanical properties of ceramic composites at high temperature under inert atmosphere – Determination of flexural strength (EN 12788:2005)  
- bez zamjene

HRN EN 12789:2008 en  
Tehnička keramika – Mehanička svojstva keramičkih smjesa na visokim temperaturama u zraku pod atmosferskim tlakom – Određivanje savojne čvrstoće (EN 12789:2002)  
Advanced technical ceramics – Mechanical properties of ceramic composites at high temperature under air at atmospheric pressure – Determination of flexural strength (EN 12789:2002)  
- bez zamjene

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

HRN EN ISO 8362-2:2015 en  
Posude za injekcije i pribor – 2. dio: Zatvarači za injekcijske bočice (ISO 8362-2:2015; EN ISO 8362-2:2015)  
Injection containers and accessories – Part 2: Closures for injection vials (ISO 8362-2:2015; EN ISO 8362-2:2015)  
- zamijenjena s: HRN EN ISO 8362-2:2024

HRN EN ISO 8362-2:2015/A1:2022 en  
Posude za injekcije i pribor – 2. dio: Zatvarači za injekcijske bočice (ISO 8362-2:2015/Amd 1:2022; EN ISO 8362-2:2015/A1:2022)  
Injection containers and accessories – Part 2: Closures for injection vials (ISO 8362-2:2015/Amd 1:2022; EN ISO 8362-2:2015/A1:2022)  
- zamijenjena s: HRN EN ISO 8362-2:2024



HRN EN ISO 16021:2008 en  
Pomagala za upijanje urina – Osnovna načela ocjenjivanja jednokratnih pomagala za inkontinenciju kod odraslih osoba s gledišta korisnika i njegovatelja (ISO 16021:2000; EN ISO 16021:2000)  
Urine-absorbing aids – Basic principles for evaluation of single-use adult-incontinence-absorbing aids from the perspective of users and caregivers (ISO 16021:2000; EN ISO 16021:2000)  
- zamijenjena s: HRN EN ISO 16021:2024

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

HRN EN 2309:2008 en  
Nizovi o zrakoplovstvu – Veličine otvora za čvrste zakovice (EN 2309:1989)  
Aerospace series – Hole sizes for solid rivets (EN 2309:1989)  
- bez zamjene

HRN EN 2939:2008 en  
Nizovi o zrakoplovstvu – 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 (EN 2939:1994)  
Aerospace series – Screws, 100° countersunk head, offset cruciform recess, threaded to head, in heat resisting steel FE-PA92HT (A286) – Classification: 900 MPa (at ambient temperature)/650 °C (EN 2939:1994)  
- zamijenjena s: HRN EN 2939:2024

HRN EN 3148:2008 en  
Nizovi o zrakoplovstvu – Držač matica, samozatvarajući, skraćena prirubnica – Postupak ugradnje (EN 3148:2008)  
Aerospace series – Shank nuts, self-locking, flange restrained – Installation procedure (EN 3148:2008)  
- bez zamjene

HRN EN 3149:2008 en  
Nizovi o zrakoplovstvu – Držač matica – Rupe za ugradnju, 60° kalup, prirubnice – Norma za projektiranje (EN 3149:1996)  
Aerospace series – Shank nuts – Installation holes, 60° swage, flanges – Design standard (EN 3149:1996)  
- bez zamjene

HRN EN 3201:2008 en  
Nizovi o zrakoplovstvu – Otvori za pričvršćivače s metričkim navojem – Norma za projektiranje (EN 3201:2008)  
Aerospace series – Holes for metric threaded fasteners – Design standard (EN 3201:2008)  
- bez zamjene

HRN EN 3202:2008 en  
Nizovi o zrakoplovstvu – Otvori i upusti u otvorima za vijke s T oblikom glave – Norma za projektiranje (EN 3202:1995)  
Aerospace series – Holes and traps for T-head bolts – Design standard (EN 3202:1995)  
- bez zamjene

HRN EN 3611:2008 en  
Nizovi o zrakoplovstvu – Preklopni spojevi – Dimenzije i izbor usklađivanja – Norma za projektiranje (EN 3611:1995)  
Aerospace series – Spigots – Dimensions and fit selection – Design standard (EN 3611:1995)  
- bez zamjene

HRN EN 3612:2008 en  
Nizovi o zrakoplovstvu – Utori na poluosovinama – Norma za projektiranje (EN 3612:1996)  
Aerospace series – Undercuts for splines – Design standard (EN 3612:1996)  
- bez zamjene

HRN EN 3781:2008 en  
Nizovi o zrakoplovstvu – Utori za spiralne osiguravajuće prstene – Norma za projektiranje (EN 3781:2008)  
Aerospace series – Grooves for spiral wound retaining rings – Design standard (EN 3781:2008)  
- bez zamjene

HRN EN 3782:2008 en  
Nizovi o zrakoplovstvu – Rupe za vijke sa 100° upuštenom glavom – Norma za projektiranje (EN 3782:2008)  
Aerospace series – Holes for 100° countersunk head screws – Design standard (EN 3782:2008)  
- bez zamjene

HRN EN 3819:2008 en  
Nizovi o zrakoplovstvu – Zračnosti za nasadne ključeve (EN 3819:2008)  
Aerospace series – Clearance for wrenches and sockets (EN 3819:2008)  
- bez zamjene

HRN EN 4108:2008 en  
Nizovi o zrakoplovstvu – Ključevi, na polugu, s priključnim dodatkom, pogonski priključak (EN 4108:2006)  
Aerospace series – Wrenches, crow foot, attachment socket, socket drive (EN 4108:2006)  
- bez zamjene

HRN EN 4109:2008 en  
Nizovi o zrakoplovstvu – Ključevi, oblik odvijača (EN 4109:2006)  
Aerospace series – Wrenches, face spanner (EN 4109:2006)  
- bez zamjene

HRN EN 4110:2008 en  
Nizovi o zrakoplovstvu – Ključevi, otvoreni kraj, kutija (EN 4110:2006)  
Aerospace series – Wrenches, open end, box (EN 4110:2006)  
- bez zamjene

HRN EN 9102:2016 en  
Zrakoplovstvo – Sustavi kvalitete – Zahtjevi za ispitivanje prvog uzorka (EN 9102:2015)  
Aerospace series – Quality systems – First article inspection requirements (EN 9102:2015)  
- zamijenjena s: HRN EN 9102:2024

## 1.6 Ispravci hrvatskih norma

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

### HZN/ TO 8, *Brodogradnja*

- **umjesto**

HRN EN ISO 12215-5:2019

Mala plovila – Konstrukcija trupa i dimenzije konstrukcijskih elemenata – 5. dio: Projektni tlakovi za jednorupna plovila, projektna naprezanja, određivanje dimenzija konstrukcijskih elemenata (ISO 12215-5:2019, ispravljena verzija **2023-11**; EN ISO 12215-5:2019)

Small craft – Hull construction and scantlings – Part 5: Design pressures for monohulls, design stresses, scantlings determination (ISO 12215-5:2019, Corrected version **2023-11**; EN ISO 12215-5:2019)

- **treba biti**

HRN EN ISO 12215-5:2019

Mala plovila – Konstrukcija trupa i dimenzije konstrukcijskih elemenata – 5. dio: Projektni tlakovi za jednorupna plovila, projektna naprezanja, određivanje dimenzija konstrukcijskih elemenata (ISO 12215-5:2019, ispravljena verzija **2024-03**; EN ISO 12215-5:2019)

Small craft – Hull construction and scantlings – Part 5: Design pressures for monohulls, design stresses, scantlings determination (ISO 12215-5:2019, Corrected version **2024-03**; EN ISO 12215-5:2019)

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

- **umjesto**

HRN EN ISO 4259-5:2024

Nafta i srodni proizvodi – Preciznost metoda ispitivanja i rezultata ispitivanja – 5. dio: Statistička procjena usklađenosti dviju različitih metoda pri ispitivanju istog svojstva (ISO 4259-5:2023; EN ISO 4259-5:2024)

Petroleum and related products – Precision of measurement methods and results – Part 5: Statistical assessment of agreement between two different measurement methods that claim to measure the same property (ISO 4259-5:2023; EN ISO 4259-5:2024)

- **treba biti**

HRN EN ISO 4259-5:2024

Nafta i srodni proizvodi – Preciznost metoda ispitivanja i rezultata ispitivanja – 5. dio: Statistička procjena usklađenosti dviju različitih metoda pri ispitivanju istog svojstva (ISO 4259-5:2023, ispravljena verzija **2024-03**; EN ISO 4259-5:2024)

Petroleum and related products – Precision of measurement methods and results – Part 5: Statistical assessment of agreement between two different measurement methods that claim to measure the same property (ISO 4259-5:2023, **Corrected version 2024-03**; EN ISO 4259-5:2024)

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

- **umjesto**

HRN EN ISO 15589-2:2024

**Industrija nafte, petrokemijska industrija i industrija prirodnoga plina** – Katodna zaštita cjevovodnih transportnih sustava – 2. dio: Odobalni cjevovodi (ISO 15589-2:2024; EN ISO 15589-2:2024)

**Petroleum, petrochemical and natural gas industries** – Cathodic protection of pipeline transportation systems – Part 2: Offshore pipelines (ISO 15589-2:2024; EN ISO 15589-2:2024)

- **treba biti**

HRN EN ISO 15589-2:2024

**Industrije nafte i plina uključujući energiju s niskim udjelom ugljika** – Katodna zaštita cjevovodnih transportnih sustava – 2. dio: Odobalni cjevovodi (ISO 15589-2:2024; EN ISO 15589-2:2024)

**Oil and gas industries including lower carbon energy** – Cathodic protection of pipeline transportation systems – Part 2: Offshore pipelines (ISO 15589-2:2024; EN ISO 15589-2:2024)

## 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 34, *Poljoprivredni i prehrambeni proizvodi*

HRN EN ISO 18363-2:2019 en pr

Životinjske i biljne masti i ulja – Određivanje kloropropanediola (MCPD) i glicidola vezanih na masne kiseline pomoću GC/MS-a – 2. dio: Metoda na temelju spore transesterifikacije lužinama i mjerenja 2-MCPD, 3-MCPD i glicidola (ISO 18363-2:2018; EN ISO 18363-2:2018)

Animal and vegetable fats and oils – Determination of fatty-acid-bound chloropropanediols (MCPDs) and glycidol by GC/MS – Part 2: Method using slow alkaline transesterification and measurement for 2-MCPD, 3-MCPD and glycidol (ISO 18363-2:2018; EN ISO 18363-2:2018)

### HZN/ TU B1, *Graditeljstvo 1*

HRN EN 13200-5:2008 en pr

Gledališta – 5. dio: Teleskopske tribine (EN 13200-5:2006)  
Spectator facilities – Part 5: Telescopic stands (EN 13200-5:2006)

HRN EN 14383-1:2008 en pr

Prevenција zločina – Prostorno planiranje i projektiranje zgrada – 1. dio: Definicija posebnih naziva (EN 14383-1:2006)  
Prevention of crime – Urban planning and building design – Part 1: Definition of specific terms (EN 14383-1:2006)

## 2 Rezultati međunarodne i europske normizacije

### Europska normizacija (CEN)

Oznaka norme	Naslov norme	ICS	Datum objave
EN 73+A1	Durability of wood and wood-based products – Accelerated ageing of treated wood prior to biological testing – Evaporative ageing procedure	71.100.50	2024-02
EN 2997-004	Aerospace series – Connectors, electrical, circular, coupled by threaded ring, fire-resistant or non fire-resistant, operating temperatures -65 °C to 175 °C continuous, 200 °C continuous, 260 °C peak – Part 004: Jam-nut mounted receptacle – Product standard	49.060	2024-02
EN 2997-006	Aerospace series – Connectors, electrical, circular, coupled by threaded ring, fire resistant or non fire-resistant, operating temperatures -65 °C to 175 °C continuous, 200 °C continuous, 260 °C peak – Part 006: Hermetic jam-nut mounted receptacle – Product standard	49.060	2024-02
EN 3375-008	Aerospace series – Cable, electrical, for digital data transmission – Part 008: Single braid – Star Quad 100 Ohms – Type KD – Product standard	49.060	2024-02
EN 3645-002	Aerospace series – Connectors, electrical, circular, scoop-proof, triple start threaded coupling, operating temperature 175 °C or 200 °C continuous – Part 002: Specification of performance and contact arrangements	49.060	2024-02
EN 10270-1	Steel wire for mechanical springs – Part 1: Patented cold drawn unalloyed spring steel wire	77.140.25	2024-02
EN 12841	Personal fall protection equipment – Rope access systems – Rope adjustment devices	13.340.60	2024-02
EN 13116	Curtain walling – Resistance to wind load – Performance requirements	91.060.10	2024-02
CEN/TR 16110	Characterization of waste – Guidance on the use of ecotoxicity tests applied to waste	13.030.01	2024-02
EN 17127	Outdoor hydrogen refuelling points dispensing gaseous hydrogen and incorporating filling protocols	27.075; 75.200	2024-02
CEN/TR 17996	Ductile iron pipes, fittings, accessories and their joints for sewerage applications – Guidelines for Pipelines Installation	23.040.10; 23.040.40	2024-02
CEN/TR 18043	Construction products: Assessment of release of dangerous substances – Pros and cons of methods for communicating the potential release of dangerous substances into soil, groundwater or surface water and indoor air	13.020.40; 13.020.99; 13.040.20; 13.060.45; 19.040; 91.100.01	2024-02
CEN/TR 18048	Methods of determination of the mechanical properties of self-bonding coating assemblies related to non-oriented electrical steels	77.140.50	2024-02
CWA 18083	Methodology for the construction of omics-related knowledge graphs from animal, vegetal and environmental data	07.080; 35.240.80	2024-02
CLC IEC/TS 60034-25	Rotating electrical machines – Part 25: AC electrical machines used in power drive systems – Application guide (IEC/TS 60034-25:2022)	29.160.01	2024-02
EN IEC 60335-2-119	Household and similar electrical appliances – Safety – Part 2-119: Particular requirements for commercial vacuum packaging appliances (IEC 60335-2-119:2021)	13.120; 97.030	2024-02
EN IEC 60335-2-119/A11	Household and similar electrical appliances – Safety – Part 2-119: Particular requirements for commercial vacuum packaging appliances	13.120; 97.030	2024-02
EN IEC 61098	Radiation protection instrumentation – Installed personnel surface contamination monitors (IEC 61098:2023)	13.280; 17.240	2024-02
EN IEC 61676/AC	Medical electrical equipment – Dosimetric instruments used for non-invasive measurement of x-ray tube voltage in diagnostic radiology (IEC 61676:2023/COR1:2024)	11.040.50; 11.040.55; 17.240	2024-02
EN IEC 61855/AC	Household and similar use electrical hair care appliances – Methods for measuring the performance (IEC 61855:2022/COR1:2024)	97.170	2024-02
EN IEC 62052-11/A12	Electricity metering equipment – General requirements, tests and test conditions – Part 11: Metering equipment	17.220.20; 91.140.50	2024-02

Oznaka norme	Naslov norme	ICS	Datum objave
EN IEC 62271-100/AC	High-voltage switchgear and controlgear – Part 100: Alternating-current circuit-breakers (IEC 62271-100:2021/COR3:2024)	29.130.10	2024-02
EN IEC 62618	Radiation protection instrumentation – Spectroscopy-based alarming personal radiation detectors (SPRD) for the detection of illicit trafficking of radioactive material (IEC 62618:2022)	13.280; 17.240	2024-02
EN IEC 62694	Radiation protection instrumentation – Backpack-type radiation detector (BRD) for the detection of illicit trafficking of radioactive material (IEC 62694:2022)	13.280; 17.240	2024-02
CLC IEC/TS 63074	Safety of machinery – Security aspects related to functional safety of safety-related control systems (IEC/TS 63074:2023)	13.110; 29.020; 35.030	2024-02
CLC IEC/TR 63161	Assignment of safety integrity requirements – Basic rationale (IEC/TR 63161:2022)	13.110	2024-02
EN IEC 63203-402-3	Wearable electronic devices and technologies – Part 402-3: Performance measurement of fitness wearables – Test methods for the determination of the accuracy of heart rate (IEC 63203-402-3:2024)	31.020; 31.080.99; 59.080.80	2024-02
CLC IEC/TS 63394	Safety of machinery – Guidelines on functional safety of safety-related control system (IEC/TS 63394:2023)	13.110; 25.040.99; 29.020	2024-02
CENELEC Guide 34	Guide to the drafting and use of harmonized and non-harmonized EMC standards	1.120	2024-02
EN ISO 105-C12	Textiles – Tests for colour fastness – Part C12: Colour fastness to industrial laundering (ISO 105-C12:2024)	59.080.01	2024-02
EN ISO 3549	Zinc dust pigments for paints – Specifications and test methods (ISO 3549:2024)	87.060.10	2024-02
CEN ISO/TS 5499	Health informatics – Clinical particulars – Core principles for the harmonization of therapeutic indications terms and identifiers (ISO/TS 5499:2024)	35.240.80	2024-02
EN ISO 7510	Plastics piping systems – Glass-reinforced plastics (GRP) components – Determination of the amounts of constituents (ISO 7510:2017)	23.040.20; 23.040.45	2024-02
EN ISO 7921	Ophthalmic optics and instruments – Near reading charts (ISO 7921:2024)	11.040.70	2024-02
EN ISO 10364	Structural adhesives – Determination of the pot life (working life) of multi-component adhesives (ISO 10364:2024)	83.180	2024-02
EN ISO 12417-1	Cardiovascular implants and extracorporeal systems – Vascular device-drug combination products – Part 1: General requirements (ISO 12417-1:2024)	11.040.40	2024-02
EN ISO 13165-1	Water quality – Radium-226 – Part 1: Test method using liquid scintillation counting (ISO 13165-1:2022)	13.060.60; 17.240	2024-02
EN ISO 15589-2	Oil and gas industries including lower carbon energy – Cathodic protection of pipeline transportation systems – Part 2: Offshore pipelines (ISO 15589-2:2024)	75.200	2024-02
EN ISO 18183-2	Geometrical product specifications (GPS) – Partition – Part 2: Nominal model (ISO 18183-2:2024)	17.040.40	2024-02
EN ISO 18183-3	Geometrical product specifications (GPS) – Partition – Part 3: Methods used for specification and verification (ISO 18183-3:2024)	17.040.40	2024-02
EN ISO 18335	Petroleum products and related products – Determination of kinematic viscosity by calculation from the measured dynamic viscosity and density – Method by constant pressure viscometer (ISO 18335:2024)	75.080	2024-02
EN ISO 18589-3	Measurement of radioactivity in the environment – Soil – Part 3: Test method of gamma-emitting radionuclides using gamma-ray spectrometry (ISO 18589-3:2023)	13.080.01; 17.240	2024-02
EN ISO 20345/A1	Personal protective equipment – Safety footwear – Amendment 1 (ISO 20345:2021/Amd 1:2024)	13.340.50	2024-02
EN ISO 20346/A1	Personal protective equipment – Protective footwear – Amendment 1 (ISO 20346:2021/Amd 1:2024)	13.340.50	2024-02
EN ISO 20347/A1	Personal protective equipment – Occupational footwear – Amendment 1 (ISO 20347:2021/Amd 1:2024)	13.340.50	2024-02



Oznaka norme	Naslov norme	ICS	Datum objave
EN ISO 21549-7	Health informatics – Patient healthcard data – Part 7: Medication data (ISO 21549-7:2024)	35.240.80	2024-02
EN ISO 21860	Health Informatics – Reference standards portfolio (RSP) – Clinical imaging (ISO 21860:2020)	35.240.80	2024-02
EN ISO/IEC 23894	Information technology – Artificial intelligence – Guidance on risk management (ISO/IEC 23894:2023)	35.020	2024-02
EN ISO 41011	Facility management – Vocabulary (ISO 41011:2024)	01.040.03; 03.080.10	2024-02



## Europska normizacija (CENELEC)

Oznaka norme	Naslov norme	ICS	Datum objave
CLC IEC/TS 60034-25	Rotating electrical machines – Part 25: AC electrical machines used in power drive systems – Application guide (IEC/TS 60034-25:2022)	29.160.01	2024-02
EN IEC 60335-2-119	Household and similar electrical appliances – Safety – Part 2-119: Particular requirements for commercial vacuum packaging appliances (IEC 60335-2-119:2021)	13.120; 97.030	2024-02
EN IEC 60335-2-119/A11	Household and similar electrical appliances – Safety – Part 2-119: Particular requirements for commercial vacuum packaging appliances	13.120; 97.030	2024-02
EN IEC 61098	Radiation protection instrumentation – Installed personnel surface contamination monitors (IEC 61098:2023)	13.280; 17.240	2024-02
EN IEC 61676/AC	Medical electrical equipment – Dosimetric instruments used for non-invasive measurement of x-ray tube voltage in diagnostic radiology (IEC 61676:2023/COR1:2024)	11.040.50; 11.040.55; 17.240	2024-02
EN IEC 61855/AC	Household and similar use electrical hair care appliances – Methods for measuring the performance (IEC 61855:2022/COR1:2024)	97.170	2024-02
EN IEC 62052-11/A12	Electricity metering equipment – General requirements, tests and test conditions – Part 11: Metering equipment	17.220.20; 91.140.50	2024-02
EN IEC 62271-100/AC	High-voltage switchgear and controlgear – Part 100: Alternating-current circuit-breakers (IEC 62271-100:2021/COR3:2024)	29.130.10	2024-02
EN IEC 62618	Radiation protection instrumentation – Spectroscopy-based alarming personal radiation detectors (SPRD) for the detection of illicit trafficking of radioactive material (IEC 62618:2022)	13.280; 17.240	2024-02
EN IEC 62694	Radiation protection instrumentation – Backpack-type radiation detector (BRD) for the detection of illicit trafficking of radioactive material (IEC 62694:2022)	13.280; 17.240	2024-02
CLC IEC/TS 63074	Safety of machinery – Security aspects related to functional safety of safety-related control systems (IEC/TS 63074:2023)	13.110; 29.020; 35.030	2024-02
CLC IEC/TR 63161	Assignment of safety integrity requirements – Basic rationale (IEC/TR 63161:2022)	13.110	2024-02
EN IEC 63203-402-3	Wearable electronic devices and technologies – Part 402-3: Performance measurement of fitness wearables – Test methods for the determination of the accuracy of heart rate (IEC 63203-402-3:2024)	31.020; 31.080.99; 59.080.80	2024-02
CLC IEC/TS 63394	Safety of machinery – Guidelines on functional safety of safety-related control system (IEC/TS 63394:2023)	13.110; 25.040.99; 29.020	2024-02
CENELEC Guide 34	Guide to the drafting and use of harmonized and non-harmonized EMC standards	1.120	2024-02
EN ISO/IEC 23894	Information technology – Artificial intelligence – Guidance on risk management (ISO/IEC 23894:2023)	35.020	2024-02





## Europska normizacija (ETSI)

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 102223 V 15.4.0	Smart Cards – Card Application Toolkit (CAT) (Release 15)	35.240.15	2024-02
ETSI TS 102223 V 16.0.0	Smart Cards – Card Application Toolkit (CAT) (Release 16)	35.240.15	2024-02
ETSI TS 102223 V 17.3.0	Smart Cards – Card Application Toolkit (CAT) (Release 17)	35.240.15	2024-02
ETSI TS 102230-1 V 17.1.0	Smart Cards – UICC-Terminal interface – Physical, electrical and logical test specification – Part 1: Terminal features (Release 17)	35.240.15	2024-02
ETSI TS 102706-2 V 1.6.1	Environmental Engineering (EE) – Metrics and Measurement Method for Energy Efficiency of Wireless Access Network Equipment – Part 2: Energy Efficiency – dynamic measurement method	33.040.01	2024-02
ETSI TS 103786 V 1.2.1	Environmental Engineering (EE) – Measurement method for energy efficiency of wireless access network equipment – Dynamic energy efficiency measurement method of 5G Base Station (BS)	33.040.01	2024-02
ETSI TS 103845 V 1.1.1	SmartM2M – Digital Twins Communication Requirements	33.200	2024-02
ETSI TR 103862 V 1.1.1	System Reference document (SRdoc) – Short Range Devices (SRD) using Ultra Wide Band (UWB) – Technical characteristics for UWB operation of fixed infrastructure based indoor localization systems in the frequency band between 4,2 GHz to 4,8 GHz	33.100.10	2024-02
ETSI TS 103976 V 1.1.1	LEA support services – Interface for Lawful Disclosure of vehicle-related data	33.040.35	2024-02
ETSI TR 104031 V 1.1.1	Securing Artificial Intelligence (SAI) – Collaborative Artificial Intelligence	35.030; 35.240.01	2024-02
ETSI TR 104032 V 1.1.1	Securing Artificial Intelligence (SAI) – Traceability of AI Models	35.030; 35.240.01	2024-02
ETSI TS 118123 V 4.8.1	oneM2M – SDT based Information Model and Mapping for Vertical Industries [oneM2M TS-0023 version 4.8.1 Release 4]	33.200	2024-02
ETSI TS 118133 V 4.0.1	Interworking Framework (oneM2M TS-0033 v4.0.1 Release 4)	33.200	2024-02
ETSI TS 123041 V 18.3.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Technical realization of Cell Broadcast Service (CBS) (3GPP TS 23.041 version 18.3.0 Release 18)	33.070.50	2024-02
ETSI TS 128541 V 16.18.0	5G – Management and orchestration – 5G Network Resource Model (NRM) – Stage 2 and stage 3 (3GPP TS 28.541 version 16.18.0 Release 16)	33.070.50	2024-02
ETSI TS 128541 V 17.13.0	5G – Management and orchestration – 5G Network Resource Model (NRM) – Stage 2 and stage 3 (3GPP TS 28.541 version 17.13.0 Release 17)	33.070.50	2024-02
ETSI TS 129538 V 17.3.0	5G – Enabling MSGin5G Service – Application Programming Interfaces (API) specification – Stage 3 (3GPP TS 29.538 version 17.3.0 Release 17)	33.070.50	2024-02
ETSI TS 131121 V 17.1.1	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – UICC-terminal interface – Universal Subscriber Identity Module (USIM) application test specification (3GPP TS 31.121 version 17.1.1 Release 17)	33.070.50	2024-02
ETSI TS 131124 V 17.1.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Mobile Equipment (ME) conformance test specification – Universal Subscriber Identity Module Application Toolkit (USAT) conformance test specification (3GPP TS 31.124 version 17.1.0 Release 17)	33.070.50	2024-02
ETSI TS 132291 V 17.9.1	5G – Telecommunication management – Charging management – 5G system, charging service – Stage 3 (3GPP TS 32.291 version 17.9.1 Release 17)	33.070.50	2024-02
ETSI TS 133535 V 17.10.0	5G – Authentication and Key Management for Applications (AKMA) based on 3GPP credentials in the 5G System (5GS) (3GPP TS 33.535 version 17.10.0 Release 17)	33.070.50	2024-02
ETSI TS 134123-3 V 17.3.0	Universal Mobile Telecommunications System (UMTS) – User Equipment (UE) conformance specification – Part 3: Abstract test suite (ATS) (3GPP TS 34.123-3 version 17.3.0 Release 17)	33.070.50	2024-02

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 136101 V 16.19.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – User Equipment (UE) radio transmission and reception (3GPP TS 36.101 version 16.19.0 Release 16)	33.070.50; 33.070.99	2024-02
ETSI TS 136101 V 17.12.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – User Equipment (UE) radio transmission and reception (3GPP TS 36.101 version 17.12.0 Release 17)	33.070.50; 33.070.99	2024-02
ETSI TS 136133 V 16.19.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Requirements for support of radio resource management (3GPP TS 36.133 version 16.19.0 Release 16)	33.070.50; 33.070.99	2024-02
ETSI TS 136133 V 17.11.2	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Requirements for support of radio resource management (3GPP TS 36.133 version 17.11.2 Release 17)	33.070.50; 33.070.99	2024-02
ETSI TS 136213 V 16.10.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Physical layer procedures (3GPP TS 36.213 version 16.10.0 Release 16)	33.070.50	2024-02
ETSI TS 136213 V 17.6.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Physical layer procedures (3GPP TS 36.213 version 17.6.0 Release 17)	33.070.50	2024-02
ETSI TS 136300 V 17.6.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Universal Terrestrial Radio Access Network (E-UTRAN) – Overall description – Stage 2 (3GPP TS 36.300 version 17.6.0 Release 17)	33.070.50	2024-02
ETSI TS 136331 V 17.7.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Radio Resource Control (RRC) – Protocol specification (3GPP TS 36.331 version 17.7.0 Release 17)	33.070.50	2024-02
ETSI TS 137141 V 15.22.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – NR, E-UTRA, UTRA and GSM/EDGE – Multi-Standard Radio (MSR) Base Station (BS) conformance testing (3GPP TS 37.141 version 15.22.0 Release 15)	33.070.50	2024-02
ETSI TS 137141 V 16.20.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – NR, E-UTRA, UTRA and GSM/EDGE – Multi-Standard Radio (MSR) Base Station (BS) conformance testing (3GPP TS 37.141 version 16.20.0 Release 16)	33.070.50	2024-02
ETSI TS 137141 V 17.12.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – NR, E-UTRA, UTRA and GSM/EDGE – Multi-Standard Radio (MSR) Base Station (BS) conformance testing (3GPP TS 37.141 version 17.12.0 Release 17)	33.070.50	2024-02
ETSI TS 137355 V 17.7.0	LTE – 5G – LTE Positioning Protocol (LPP) (3GPP TS 37.355 version 17.7.0 Release 17)	33.070.50	2024-02
ETSI TS 137480 V 17.2.0	5G – E1 general aspects and principles (3GPP TS 37.480 version 17.2.0 Release 17)	33.070.50	2024-02
ETSI TS 137483 V 17.7.0	5G – E1 Application Protocol (E1AP) (3GPP TS 37.483 version 17.7.0 Release 17)	33.070.50	2024-02
ETSI TS 137571-1 V 17.3.1	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – User Equipment (UE) conformance specification for UE positioning – Part 1: Conformance test specification (3GPP TS 37.571-1 version 17.3.1 Release 17)	33.070.50	2024-02
ETSI TS 138101-1 V 15.24.0	5G – NR – User Equipment (UE) radio transmission and reception – Part 1: Range 1 Standalone (3GPP TS 38.101-1 version 15.24.0 Release 15)	33.070.99	2024-02
ETSI TS 138101-1 V 16.18.0	5G – NR – User Equipment (UE) radio transmission and reception – Part 1: Range 1 Standalone (3GPP TS 38.101-1 version 16.18.0 Release 16)	33.070.99	2024-02
ETSI TS 138101-1 V 17.12.0	5G – NR – User Equipment (UE) radio transmission and reception – Part 1: Range 1 Standalone (3GPP TS 38.101-1 version 17.12.0 Release 17)	33.070.99	2024-02
ETSI TS 138101-3 V 15.24.0	5G – NR – User Equipment (UE) radio transmission and reception – Part 3: Range 1 and Range 2 Interworking operation with other radios (3GPP TS 38.101-3 version 15.24.0 Release 15)	33.070.99	2024-02

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 138101-3 V 16.18.0	5G – NR – User Equipment (UE) radio transmission and reception – Part 3: Range 1 and Range 2 Interworking operation with other radios (3GPP TS 38.101-3 version 16.18.0 Release 16)	33.070.99	2024-02
ETSI TS 138101-3 V 17.12.0	5G – NR – User Equipment (UE) radio transmission and reception – Part 3: Range 1 and Range 2 Interworking operation with other radios (3GPP TS 38.101-3 version 17.12.0 Release 17)	33.070.99	2024-02
ETSI TS 138101-4 V 15.20.0	5G – NR – User Equipment (UE) radio transmission and reception – Part 4: Performance requirements (3GPP TS 38.101-4 version 15.20.0 Release 15)	33.070.99	2024-02
ETSI TS 138101-4 V 16.15.0	5G – NR – User Equipment (UE) radio transmission and reception – Part 4: Performance requirements (3GPP TS 38.101-4 version 16.15.0 Release 16)	33.070.99	2024-02
ETSI TS 138101-4 V 17.11.0	5G – NR – User Equipment (UE) radio transmission and reception – Part 4: Performance requirements (3GPP TS 38.101-4 version 17.11.0 Release 17)	33.070.99	2024-02
ETSI TS 138101-5 V 17.6.0	5G – NR – User Equipment (UE) radio transmission and reception – Part 5: Satellite access Radio Frequency (RF) and performance requirements (3GPP TS 38.101-5 version 17.6.0 Release 17)	33.070.50	2024-02
ETSI TS 138104 V 16.18.0	5G – NR – Base Station (BS) radio transmission and reception (3GPP TS 38.104 version 16.18.0 Release 16)	33.070.99	2024-02
ETSI TS 138104 V 17.12.0	5G – NR – Base Station (BS) radio transmission and reception (3GPP TS 38.104 version 17.12.0 Release 17)	33.070.99	2024-02
ETSI TS 138133 V 15.24.0	5G – NR – Requirements for support of radio resource management (3GPP TS 38.133 version 15.24.0 Release 15)	33.070.99	2024-02
ETSI TS 138133 V 16.18.0	5G – NR – Requirements for support of radio resource management (3GPP TS 38.133 version 16.18.0 Release 16)	33.070.99	2024-02
ETSI TS 138133 V 17.12.0	5G – NR – Requirements for support of radio resource management (3GPP TS 38.133 version 17.12.0 Release 17)	33.070.99	2024-02
ETSI TS 138141-1 V 16.18.0	5G – NR – Base Station (BS) conformance testing Part 1: Conducted conformance testing (3GPP TS 38.141-1 version 16.18.0 Release 16)	33.070.99	2024-02
ETSI TS 138141-1 V 17.12.0	5G – NR – Base Station (BS) conformance testing Part 1: Conducted conformance testing (3GPP TS 38.141-1 version 17.12.0 Release 17)	33.070.99	2024-02
ETSI TS 138141-2 V 16.18.0	5G – NR – Base Station (BS) conformance testing Part 2: Radiated conformance testing (3GPP TS 38.141-2 version 16.18.0 Release 16)	33.070.99	2024-02
ETSI TS 138141-2 V 17.12.0	5G – NR – Base Station (BS) conformance testing Part 2: Radiated conformance testing (3GPP TS 38.141-2 version 17.12.0 Release 17)	33.070.99	2024-02
ETSI TS 138151 V 17.6.0	5G – NR – User Equipment (UE) Multiple Input Multiple Output (MIMO) Over-the-Air (OTA) performance requirements (3GPP TS 38.151 version 17.6.0 Release 17)	33.070.99	2024-02
ETSI TS 138174 V 17.6.0	5G – NR – Integrated Access and Backhaul (IAB) radio transmission and reception (3GPP TS 38.174 version 17.6.0 Release 17)	33.070.99	2024-02
ETSI TS 138175 V 16.7.0	5G – NR – Integrated Access and Backhaul (IAB) Electromagnetic Compatibility (EMC) (3GPP TS 38.175 version 16.7.0 Release 16)	33.070.99	2024-02
ETSI TS 138175 V 17.5.0	5G – NR – Integrated Access and Backhaul (IAB) Electromagnetic Compatibility (EMC) (3GPP TS 38.175 version 17.5.0 Release 17)	33.070.99	2024-02
ETSI TS 138176-1 V 17.7.0	5G – NR – Integrated Access and Backhaul (IAB) conformance testing – Part 1: Conducted conformance testing (3GPP TS 38.176-1 version 17.7.0 Release 17)	33.070.99	2024-02
ETSI TS 138176-2 V 16.8.0	5G – NR – Integrated Access and Backhaul (IAB) conformance testing – Part 2: Radiated conformance testing (3GPP TS 38.176-2 version 16.8.0 Release 16)	33.070.99	2024-02
ETSI TS 138176-2 V 17.7.0	5G – NR – Integrated Access and Backhaul (IAB) conformance testing – Part 2: Radiated conformance testing (3GPP TS 38.176-2 version 17.7.0 Release 17)	33.070.99	2024-02

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 138181 V 17.3.0	5G – NR – Satellite Access Node conformance testing (3GPP TS 38.181 version 17.3.0 Release 17)	33.070.50	2024-02
ETSI TS 138202 V 16.4.0	5G – NR – Services provided by the physical layer (3GPP TS 38.202 version 16.4.0 Release 16)	33.070.99	2024-02
ETSI TS 138202 V 17.5.0	5G – NR – Services provided by the physical layer (3GPP TS 38.202 version 17.5.0 Release 17)	33.070.99	2024-02
ETSI TS 138212 V 16.12.0	5G – NR – Multiplexing and channel coding (3GPP TS 38.212 version 16.12.0 Release 16)	33.070.99	2024-02
ETSI TS 138212 V 17.7.0	5G – NR – Multiplexing and channel coding (3GPP TS 38.212 version 17.7.0 Release 17)	33.070.99	2024-02
ETSI TS 138213 V 16.16.0	5G – NR – Physical layer procedures for control (3GPP TS 38.213 version 16.16.0 Release 16)	33.070.99	2024-02
ETSI TS 138213 V 17.8.0	5G – NR – Physical layer procedures for control (3GPP TS 38.213 version 17.8.0 Release 17)	33.070.99	2024-02
ETSI TS 138214 V 16.15.0	5G – NR – Physical layer procedures for data (3GPP TS 38.214 version 16.15.0 Release 16)	33.070.99	2024-02
ETSI TS 138214 V 17.8.0	5G – NR – Physical layer procedures for data (3GPP TS 38.214 version 17.8.0 Release 17)	33.070.99	2024-02
ETSI TS 138215 V 16.7.0	5G – NR – Physical layer measurements (3GPP TS 38.215 version 16.7.0 Release 16)	33.070.99	2024-02
ETSI TS 138215 V 17.4.0	5G – NR – Physical layer measurements (3GPP TS 38.215 version 17.4.0 Release 17)	33.070.99	2024-02
ETSI TS 138300 V 15.16.0	5G – NR – NR and NG-RAN Overall description – Stage-2 (3GPP TS 38.300 version 15.16.0 Release 15)	33.070.99	2024-02
ETSI TS 138300 V 16.15.0	5G – NR – NR and NG-RAN Overall description – Stage-2 (3GPP TS 38.300 version 16.15.0 Release 16)	33.070.99	2024-02
ETSI TS 138300 V 17.7.0	5G – NR – NR and NG-RAN Overall description – Stage-2 (3GPP TS 38.300 version 17.7.0 Release 17)	33.070.99	2024-02
ETSI TS 138304 V 17.7.0	5G – NR – User Equipment (UE) procedures in idle mode and in RRC Inactive state (3GPP TS 38.304 version 17.7.0 Release 17)	33.070.99	2024-02
ETSI TS 138305 V 16.10.0	5G – NG Radio Access Network (NG-RAN) – Stage 2 functional specification of User Equipment (UE) positioning in NG-RAN (3GPP TS 38.305 version 16.10.0 Release 16)	33.070.99	2024-02
ETSI TS 138305 V 17.7.0	5G – NG Radio Access Network (NG-RAN) – Stage 2 functional specification of User Equipment (UE) positioning in NG-RAN (3GPP TS 38.305 version 17.7.0 Release 17)	33.070.99	2024-02
ETSI TS 138306 V 15.23.0	5G – NR – User Equipment (UE) radio access capabilities (3GPP TS 38.306 version 15.23.0 Release 15)	33.070.99	2024-02
ETSI TS 138306 V 16.15.0	5G – NR – User Equipment (UE) radio access capabilities (3GPP TS 38.306 version 16.15.0 Release 16)	33.070.99	2024-02
ETSI TS 138306 V 17.7.0	5G – NR – User Equipment (UE) radio access capabilities (3GPP TS 38.306 version 17.7.0 Release 17)	33.070.99	2024-02
ETSI TS 138307 V 16.15.0	5G – NR – Requirements on User Equipments (UEs) supporting a release-independent frequency band (3GPP TS 38.307 version 16.15.0 Release 16)	33.070.99	2024-02
ETSI TS 138307 V 17.11.0	5G – NR – Requirements on User Equipments (UEs) supporting a release-independent frequency band (3GPP TS 38.307 version 17.11.0 Release 17)	33.070.99	2024-02
ETSI TS 138314 V 17.4.0	5G – NR – Layer 2 measurements (3GPP TS 38.314 version 17.4.0 Release 17)	33.070.99	2024-02
ETSI TS 138321 V 16.14.0	5G – NR – Medium Access Control (MAC) protocol specification (3GPP TS 38.321 version 16.14.0 Release 16)	33.070.99	2024-02
ETSI TS 138321 V 17.7.0	5G – NR – Medium Access Control (MAC) protocol specification (3GPP TS 38.321 version 17.7.0 Release 17)	33.070.99	2024-02
ETSI TS 138331 V 15.24.1	5G – NR – Radio Resource Control (RRC) – Protocol specification (3GPP TS 38.331 version 15.24.1 Release 15)	33.070.99	2024-02
ETSI TS 138331 V 16.15.1	5G – NR – Radio Resource Control (RRC) – Protocol specification (3GPP TS 38.331 version 16.15.1 Release 16)	33.070.99	2024-02
ETSI TS 138331 V 17.7.0	5G – NR – Radio Resource Control (RRC) – Protocol specification (3GPP TS 38.331 version 17.7.0 Release 17)	33.070.99	2024-02



Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 138401 V 17.7.0	5G – NG-RAN – Architecture description (3GPP TS 38.401 version 17.7.0 Release 17)	33.070.99	2024-02
ETSI TS 138413 V 17.7.0	5G – NG-RAN – NG Application Protocol (NGAP) (3GPP TS 38.413 version 17.7.0 Release 17)	33.070.99	2024-02
ETSI TS 138415 V 17.1.0	5G – NG-RAN – PDU session user plane protocol (3GPP TS 38.415 version 17.1.0 Release 17)	33.070.99	2024-02
ETSI TS 138423 V 16.16.0	5G – NG-RAN – Xn Application Protocol (XnAP) (3GPP TS 38.423 version 16.16.0 Release 16)	33.070.99	2024-02
ETSI TS 138423 V 17.7.0	5G – NG-RAN – Xn Application Protocol (XnAP) (3GPP TS 38.423 version 17.7.0 Release 17)	33.070.99	2024-02
ETSI TS 138455 V 16.13.0	5G – NG-RAN – NR Positioning Protocol A (NRPPa) (3GPP TS 38.455 version 16.13.0 Release 16)	33.070.99	2024-02
ETSI TS 138455 V 17.6.0	5G – NG-RAN – NR Positioning Protocol A (NRPPa) (3GPP TS 38.455 version 17.6.0 Release 17)	33.070.99	2024-02
ETSI TS 138463 V 16.16.0	5G – NG-RAN – E1 Application Protocol (E1AP) (3GPP TS 38.463 version 16.16.0 Release 16)	33.070.99	2024-02
ETSI TS 138473 V 16.16.0	5G – NG-RAN – F1 Application Protocol (F1AP) (3GPP TS 38.473 version 16.16.0 Release 16)	33.070.99	2024-02
ETSI TS 138473 V 17.7.0	5G – NG-RAN – F1 Application Protocol (F1AP) (3GPP TS 38.473 version 17.7.0 Release 17)	33.070.99	2024-02
ETSI TS 138523-1 V 17.5.1	LTE – 5G – 5GS – User Equipment (UE) conformance specification – Part 1: Protocol (3GPP TS 38.523-1 version 17.5.1 Release 17)	33.070.99	2024-02
ETSI TR 138901 V 17.1.0	5G – Study on channel model for frequencies from 0.5 to 1 00 GHz (3GPP TR 38.901 version 17.1.0 Release 17)	33.070.99	2024-02
ETSI TS 143020 V 8.1.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Security related network functions (3GPP TS 43.020 version 8.1.0 Release 8)	33.070.50	2024-02
ETSI GR CIM 024 V 1.1.1	Context Information Management (CIM) – NGSI-LD Architecture Deployment Scenarios	35.080; 35.240.01	2024-02
ETSI GR MEC 001 V 3.2.1	Multi-access Edge Computing (MEC) – Terminology	01.040.35; 35.110	2024-02
ETSI GR NFV-TST 012 V 1.1.1	Network Functions Virtualisation (NFV) – Testing – VIM & NFVI Control and Management Performance Evaluation	35.110	2024-02
ETSI GR OEU 035 V 1.1.1	Operational energy Efficiency for Users (OEU) – Data interoperability format with applications for connected buildings	33.040.01	2024-02
ETSI GR ZSM 015 V 1.1.1	Zero-touch network and Service Management (ZSM) – Network Digital Twin	35.110	2024-02
ETSI GS MEC 002 V 3.2.1	Multi-access Edge Computing (MEC) – Use Cases and Requirements	33.070.99	2024-02
ETSI GS MEC 009 V 3.3.1	Multi-access Edge Computing (MEC) – General principles, patterns and common aspects of MEC Service APIs	33.070.99	2024-02
ETSI GS MEC 010-2 V 3.2.1	Multi-access Edge Computing (MEC) – MEC Management – Part 2: Application lifecycle, rules and requirements management	33.070.99	2024-02
ETSI GS MEC 014 V 3.2.1	Multi-access Edge Computing (MEC) – UE Identity API	33.070.99	2024-02
ETSI GS MEC 021 V 3.1.1	Multi-access Edge Computing (MEC) – Application Mobility Service API	33.070.99	2024-02
ETSI GS MEC 030 V 3.2.1	Multi-access Edge Computing (MEC) – V2X Information Services API	33.070.99	2024-02
EN 303797 V 2.1.1	Intelligent Transport Systems (ITS) – ITS-G5 Access layer in the 5 GHz frequency band – Release 2	35.240.60	2024-02
ETSI TS 128541 V 17.12.0	5G – Management and orchestration – 5G Network Resource Model (NRM) – Stage 2 and stage 3 (3GPP TS 28.541 version 17.12.0 Release 17)	33.070.50	2024-02
ETSI TS 138101-3 V 17.11.2	5G – NR – User Equipment (UE) radio transmission and reception – Part 3: Range 1 and Range 2 Interworking operation with other radios (3GPP TS 38.101-3 version 17.11.2 Release 17)	33.070.99	2024-02





## Međunarodna normizacija (ISO)

Oznaka norme	Naslov norme	ICS	Datum objave
IEC 80601-2-26 AMD 1	Medical electrical equipment – Part 2-26: Particular requirements for the basic safety and essential performance of electroencephalographs; Amendment 1	11.040.01; 11.040.55	2024-02
IEC 80601-2-26 Edition 1.1	Medical electrical equipment – Part 2-26: Particular requirements for the basic safety and essential performance of electroencephalographs	11.040.01; 11.040.55	2024-02
ISO/IEC Guide 98-1	Guide to the expression of uncertainty in measurement – Part 1: Introduction	17.020	2024-02
ISO 105-C12	Textiles – Tests for colour fastness – Part C12: Colour fastness to industrial laundering	59.080.01	2024-02
ISO 813-2	Rubber, vulcanized or thermoplastic – Determination of adhesion to a rigid substrate – Part 2: Adhesion of a soft thermoplastic elastomer layer	83.060	2024-02
ISO 2773	Test conditions for pillar type vertical drilling machines – Testing of accuracy	25.080.40	2024-02
ISO 3451-4	Plastics – Determination of ash – Part 4: Polyamides	83.080.20	2024-02
ISO/IEC 3532-2	Information technology – Medical image-based modelling for 3D printing – Part 2: Segmentation	25.030; 35.240.80	2024-02
ISO 3549	Zinc dust pigments for paints – Specifications and test methods	87.060.10	2024-02
ISO 3834-6	Quality requirements for fusion welding of metallic materials – Part 6: Guidelines on implementing the ISO 3834 series	25.160.01	2024-02
ISO 4179	Ductile iron pipes and fittings for pressure and non-pressure pipelines – Cement mortar lining	23.040.10; 77.140.75	2024-02
ISO 4437-1	Plastics piping systems for the supply of gaseous fuels – Polyethylene (PE) – Part 1: General	75.200; 83.140.30	2024-02
ISO 4437-2	Plastics piping systems for the supply of gaseous fuels – Polyethylene (PE) – Part 2: Pipes	75.200; 83.140.30	2024-02
ISO 4437-3	Plastics piping systems for the supply of gaseous fuels – Polyethylene (PE) – Part 3: Fittings	75.200; 83.140.30	2024-02
ISO 4437-5	Plastics piping systems for the supply of gaseous fuels – Polyethylene (PE) – Part 5: Fitness for purpose of the system	75.200; 83.140.30	2024-02
ISO 4917-1	Design of nuclear power plants against seismic events – Part 1: Principles	27.120.20; 91.120.25	2024-02
ISO 4917-3	Design of nuclear power plants against seismic events – Part 3: Civil structures	27.120.20; 91.120.25	2024-02
ISO 4917-6	Design of nuclear power plants against seismic events – Part 6: Post-seismic measures	27.120.20; 91.120.25	2024-02
ISO 5060	Translation services – Evaluation of translation output – General guidance	1.020	2024-02
ISO 5553	Meat and meat products – Detection of condensed phosphates	67.120.10	2024-02
ISO/TR 5604	Electrochemical noise measurement for assessing the protection of metal afforded by organic coatings	87.040	2024-02
ISO 5820	Microbeam analysis – Hyper-dimensional data file specification (HMSA)	71.040.99	2024-02
ISO/IEC 5927	Computer graphics, image processing and environmental data representation – Augmented and virtual reality safety – Guidance on safe immersion, set up and usage	35.020	2024-02
ISO 6142-2	Gas analysis – Preparation of calibration gas mixtures – Part 2: Gravimetric method for Class II mixtures	71.040.40	2024-02
ISO/TR 6277	Blockchain and distributed ledger technologies – Data flow models for blockchain and DLT use cases	35.030; 35.240.40; 35.240.99	2024-02
ISO 6350	Lignins – Determination of dry matter content – Oven-drying and freeze-drying methods	85.040	2024-02



Oznaka norme	Naslov norme	ICS	Datum objave
ISO/TS 6857	Fine ceramics (advanced ceramics, advanced technical ceramics) – Physical properties of ceramic composites – Guidelines for determination of void and fibre contents in polished cross section by image analysis	81.060.30	2024-02
ISO 7158	Meat and meat products – Determination of nitrite and nitrate content – Ion chromatography method	67.120.10	2024-02
ISO/IEC 7184	Office equipment – Security requirements for hard copy devices (HCDs) – Part 1: Definition of the basic requirements	33.050.30; 37.100.10	2024-02
ISO 7249	Textiles – Fibres – Determination of burning behaviour by oxygen index	59.060.01	2024-02
ISO 7745	Hydraulic fluid power – Fire-resistant fluids – Requirements and guidelines for use	75.120	2024-02
ISO 7921	Ophthalmic optics and instruments – Near reading charts	11.040.70	2024-02
ISO 7935	Stationary source emissions – Determination of the mass concentration of sulfur dioxide in flue gases – Performance characteristics of automated measuring systems	13.040.40	2024-02
ISO 8655-10	Piston-operated volumetric apparatus – Part 10: User guidance, and requirements for competence, training, and POVA suitability	03.100.30; 17.060	2024-02
ISO/DTR 8941	Railway infrastructure – Rail mounted construction, maintenance and inspection machines – Explanation of machine type	45.120	2024-02
ISO 9001 AMD 1	Quality management systems – Requirements – Amendment 1: Climate action changes	03.100.70; 03.120.10	2024-02
ISO 9211-1	Optics and photonics – Optical coatings – Part 1: Vocabulary	01.040.37; 37.020	2024-02
ISO 9211-2	Optics and photonics – Optical coatings – Part 2: Optical properties	37.020	2024-02
ISO 9211-3	Optics and photonics – Optical coatings – Part 3: Environmental durability	37.020	2024-02
ISO 9319	Traditional Chinese medicine – Poria cocos sclerotium	11.120.10	2024-02
ISO/IEC 9594-8 Technical Corrigendum 2	Information technology – Open systems interconnection – Part 8: The Directory: Public-key and attribute certificate frameworks; Technical Corrigendum 2	35.100.70	2024-02
ISO 9692-2	Welding and allied processes – Joint preparation – Part 2: Submerged arc welding of steels	25.160.10; 25.160.40	2024-02
ISO 9924-3	Rubber and rubber products – Determination of the composition of vulcanizates and uncured compounds by thermogravimetry – Part 3: Hydrocarbon rubbers, halogenated rubbers and polysiloxane rubbers	83.060	2024-02
ISO 10109	Optics and photonics – Guidance for the selection of environmental tests	37.020	2024-02
ISO 10302-1	Acoustics – Measurement of airborne noise emitted and structure-borne vibration induced by small air-moving devices – Part 1: Airborne noise measurement	17.140.20; 23.120	2024-02
ISO 10303-2	Industrial automation systems and integration – Product data representation and exchange – Part 2: Vocabulary	01.040.25; 25.040.40	2024-02
ISO 11626	Natural gas – Determination of sulfur compounds – Determination of hydrogen sulfide content by UV absorption method	75.060	2024-02
ISO 12417-1	Cardiovascular implants and extracorporeal systems – Vascular device-drug combination products – Part 1: General requirements	11.040.40	2024-02
ISO 12460-2	Wood-based panels – Determination of formaldehyde release – Part 2: Small-scale chamber method	79.060.01	2024-02
ISO 12604-2	Aircraft ground handling – Checked baggage – Part 2: Handling requirements and guidelines	49.100	2024-02
ISO 12813	Electronic fee collection – Compliance check communication for autonomous systems	03.220.20; 35.240.60	2024-02
ISO 13061-13	Physical and mechanical properties of wood – Test methods for small clear wood specimens – Part 13: Determination of radial and tangential shrinkage	79.040	2024-02

Oznaka norme	Naslov norme	ICS	Datum objave
ISO 13061-14	Physical and mechanical properties of wood – Test methods for small clear wood specimens – Part 14: Determination of volumetric shrinkage	79.040	2024-02
ISO 13141	Electronic fee collection – Localization augmentation communication for autonomous systems	03.220.20; 35.240.60	2024-02
ISO 13611	Interpreting services – Community interpreting – Requirements and recommendations	01.020; 03.080.99	2024-02
ISO 14001 AMD 1	Environmental management systems – Requirements with guidance for use – Amendment 1: Climate action changes	03.100.70; 13.020.10	2024-02
ISO 14298 AMD 1	Graphic technology – Management of security printing processes – Amendment 1: Climate action changes	37.100.01	2024-02
ISO 15378 AMD 1	Primary packaging materials for medicinal products – Particular requirements for the application of ISO 9001:2015, with reference to good manufacturing practice (GMP) – Amendment 1: Climate action changes	03.100.70; 11.040.01	2024-02
ISO 15589-2	Oil and gas industries including lower carbon energy – Cathodic protection of pipeline transportation systems – Part 2: Offshore pipelines	75.200	2024-02
ISO 15614-5	Specification and qualification of welding procedures for metallic materials – Welding procedure test – Part 5: Arc welding of titanium, zirconium and their alloys	25.160.10	2024-02
ISO 16000-40 AMD 1	Indoor air – Part 40: Indoor air quality management system – Amendment 1: Climate action changes	13.040.20	2024-02
ISO 16032	Acoustics – Measurement of sound pressure level from service equipment or activities in buildings – Engineering method	17.140.20; 91.120.20; 91.140.01	2024-02
ISO 16400-2	Automation systems and integration – Equipment behaviour catalogues for virtual production systems – Part 2: Formal description of a catalogue template	25.040.01	2024-02
ISO 16422-1	Pipes and joints made of oriented unplasticized poly(vinyl chloride) (PVC-O) for the conveyance of water under pressure – Part 1: General	23.040.20; 23.040.45; 91.140.60	2024-02
ISO 16422-2	Pipes and joints made of oriented unplasticized poly(vinyl chloride) (PVC-O) for the conveyance of water under pressure – Part 2: Pipes	23.040.20; 23.040.45; 91.140.60	2024-02
ISO 16422-5	Pipes and joints made of oriented unplasticized poly(vinyl chloride) (PVC-O) for the conveyance of water under pressure – Part 5: Fitness for purpose of the system	23.040.20; 23.040.45; 91.140.60	2024-02
ISO 16620-4	Plastics – Biobased content – Part 4: Determination of biobased mass content	83.080.01	2024-02
ISO 17208-1 AMD 1	Underwater acoustics – Quantities and procedures for description and measurement of underwater sound from ships – Part 1: Requirements for precision measurements in deep water used for comparison purposes – Amendment 1	17.140.30	2024-02
ISO 17546	Space systems – Lithium ion battery for space vehicles – Design and verification requirements	49.140	2024-02
ISO/TR 17732	Intelligent transport systems (ITS) – Communications – ITS communication role and functional model	03.220.01; 35.240.60	2024-02
ISO/DTR 17783	Intelligent transport systems – Mobility integration – Role and functional model for mobility services using low Earth orbit (LEO) satellite systems	03.220.01; 35.240.60	2024-02
ISO 18118	Surface chemical analysis – Auger electron spectroscopy and X-ray photoelectron spectroscopy – Guide to the use of experimentally determined relative sensitivity factors for the quantitative analysis of homogeneous materials	71.040.40	2024-02
ISO 18183-2	Geometrical product specifications (GPS) – Partition – Part 2: Nominal model	17.040.40	2024-02
ISO 18183-3	Geometrical product specifications (GPS) – Partition – Part 3: Methods used for specification and verification	17.040.40	2024-02
ISO 18788 AMD 1	Management system for private security operations – Requirements with guidance for use – Amendment 1: Climate action changes	03.080.20; 13.310	2024-02

Oznaka norme	Naslov norme	ICS	Datum objave
ISO/TR 18986	Traditional Chinese medicine – Report on the global industry and standardization development of Panax ginseng	11.120.10	2024-02
ISO 19443 AMD 1	Quality management systems – Specific requirements for the application of ISO 9001:2015 by organizations in the supply chain of the nuclear energy sector supplying products and services important to nuclear safety (ITNS) – Amendment 1: Climate action changes	03.120.10; 27.120.01	2024-02
ISO 19694-7	Stationary source emissions – Determination of greenhouse gas emissions in energy-intensive industries – Part 7: Semiconductor and display industries	13.020.40; 13.040.40	2024-02
ISO/IEC 19763-3 AMD 1	Information technology – Metamodel framework for interoperability (MFI) – Part 3: Metamodel for ontology registration – Amendment 1: Alignment with Edition 4 of ISO/IEC 11179-3	35.040.50	2024-02
ISO/IEC 19763-6 AMD 1	Information technology – Metamodel framework for interoperability (MFI) – Part 6: Registry Summary – Amendment 1: Alignment with Edition 4 of ISO/IEC 11179-3	35.040.50	2024-02
ISO/IEC 19770-1 AMD 1	Information technology – IT asset management – Part 1: IT asset management systems – Requirements – Amendment 1: Climate action changes	03.100.70; 35.080	2024-02
ISO 19847	Ships and marine technology – Shipboard data servers for sharing field data at sea	47.020.70	2024-02
ISO 19848	Ships and marine technology – Standard data for shipboard machinery and equipment	47.020.70	2024-02
ISO/IEC 20000-1 AMD 1	Information technology – Service management – Part 1: Service management system requirements – Amendment 1: Climate action changes	03.080.99; 35.020	2024-02
ISO/TS 20224-10	Molecular biomarker analysis – Detection of animal-derived materials in foodstuffs and feedstuffs by real-time PCR – Part 10: Duck DNA detection method	67.050	2024-02
ISO/TS 20224-11	Molecular biomarker analysis – Detection of animal-derived materials in foodstuffs and feedstuffs by real-time PCR – Part 11: Pigeon DNA detection method	67.050	2024-02
ISO 20480-1 AMD 1	Fine bubble technology – General principles for usage and measurement of fine bubbles – Part 1: Terminology – Amendment 1	01.040.07; 07.030	2024-02
ISO/IEC 20924	Internet of Things (IoT) and digital twin – Vocabulary	01.040.35; 35.020	2024-02
ISO 21001 AMD 1	Educational organizations – Management systems for educational organizations – Requirements with guidance for use – Amendment 1: Climate action changes	03.100.70; 03.180	2024-02
ISO 21101 AMD 1	Adventure tourism – Safety management systems – Requirements – Amendment 1: Climate action changes	03.080.30; 03.100.70; 03.200.10	2024-02
ISO 21401 AMD 1	Tourism and related services – Sustainability management system for accommodation establishments – Requirements – Amendment 1: Climate action changes	03.100.70; 03.200.01	2024-02
ISO 21549-7	Health informatics – Patient healthcard data – Part 7: Medication data	35.240.80	2024-02
ISO 22000 AMD 1	Food safety management systems – Requirements for any organization in the food chain – Amendment 1: Climate action changes	03.100.70; 67.020	2024-02
ISO 22042 AMD 1	Blast chiller and freezer cabinets for professional use – Classification, requirements and test conditions – Amendment 1	97.130.20	2024-02
ISO/DPAS 22101-3	Polyethylene reinforced with short glass fibres (PE-sGF) piping systems for industrial applications – Part 3: Fittings	23.040.01	2024-02
ISO/DPAS 22101-5	Polyethylene reinforced with short glass fibres (PE-sGF) piping systems for industrial applications – Part 5: Fitness for purpose of the system	23.040.01	2024-02
ISO 22163 AMD 1	Railway applications – Railway quality management system – ISO 9001:2015 and specific requirements for application in the railway sector – Amendment 1: Climate action changes	03.100.70; 45.020	2024-02

Oznaka norme	Naslov norme	ICS	Datum objave
ISO 22166-201	Robotics – Modularity for service robots – Part 201: Common information model for modules	25.040.30	2024-02
ISO 22185-2	Diagnosing moisture damage in buildings and implementing countermeasures – Part 2: Assessment of conditions	91.040.01	2024-02
ISO/IEC 22237-2	Information technology – Data centre facilities and infrastructures – Part 2: Building construction	35.020	2024-02
ISO/IEC 22237-6	Information technology – Data centre facilities and infrastructures – Part 6: Security systems	13.220.99; 13.310; 35.020	2024-02
ISO 22301 AMD 1	Security and resilience – Business continuity management systems – Requirements – Amendment 1: Climate action changes	03.100.01; 03.100.70	2024-02
ISO/TS 22499	Thermoplastic pipes for the conveyance of fluids – Inspection of polyethylene butt fusion joints using phased array ultrasonic testing	23.040.20	2024-02
ISO 22578-2	Graphical symbols – Safety colours and safety signs – Part 2: Measurement of photopic luminance of phosphorescent components used in a natural disaster safety way guidance system	01.080.10	2024-02
ISO/DTR 22824	Welding – Best practices for specification and measurement of ferrite in stainless steel weld metal	25.160.10	2024-02
ISO 22928-1	Rare earth – Analysis by wavelength dispersive x-ray fluorescence spectrometry (WD-XRFS) – Part 1: Determination of composition of rare earth magnet scrap using standardless XRF commercial packages	13.030.30; 13.030.50; 29.030	2024-02
ISO/IEC 23000-19	Information technology – Multimedia application format (MPEG-A) – Part 19: Common media application format (CMAF) for segmented media	35.040.40	2024-02
ISO/IEC 23001-17	Information technology – MPEG systems technologies – Part 17: Carriage of uncompressed video and images in ISO base media file format	35.040.40	2024-02
ISO 23217	Injection systems for self-administration by paediatric patients – Requirements and guidelines for design	11.040.25	2024-02
ISO/DPAS 23617	Healthcare organization management – Pandemic response (respiratory) – Guidance on medical support for socially vulnerable groups	11.020.01	2024-02
ISO/DTR 23652	Nanotechnologies – Considerations for radioisotope labelling methods of nanomaterials for performance evaluation	7.120	2024-02
ISO 23745	Ships and marine technology – General specification for shipborne meteorological instruments	47.020.99	2024-02
ISO 23795-2	Intelligent transport systems – Extracting trip data using nomadic and mobile devices for estimating CO <sub>2</sub> emissions – Part 2: Information provision for eco-friendly driving behaviour	13.020.40; 13.040.50; 35.240.60; 43.040.15	2024-02
ISO 24173	Microbeam analysis – Guidelines for orientation measurement using electron backscatter diffraction	71.040.50	2024-02
ISO 24384	Water quality – Determination of chromium(VI) and chromium(III) in water – Method using liquid chromatography with inductively coupled plasma mass spectrometry (LC-ICP-MS) after chelating pretreatment	13.060.50	2024-02
ISO 24511	Activities relating to drinking water and wastewater services – Guidelines for the management of wastewater utilities and for the assessment of wastewater services	03.080.30; 13.060.30; 93.030	2024-02
ISO 24512	Activities relating to drinking water and wastewater services – Guidelines for the management of drinking water utilities and for the assessment of drinking water services	03.080.30; 13.060.20; 93.025	2024-02
ISO 24544	Rare earth – Recyclable Neodymium iron boron (NdFeB) resources – Classification, general requirements and acceptance conditions	13.030.30; 13.030.50	2024-02
ISO 24596	Drinking water, wastewater and stormwater systems and services – Guidelines for the planning and implementation of infrastructure hardening for water and wastewater systems	03.080.30; 13.060.20; 13.060.30	2024-02



Oznaka norme	Naslov norme	ICS	Datum objave
ISO 26900	Space data and information transfer systems – Orbit data messages	49.140	2024-02
ISO/IEC 27001 AMD 1	Information security, cybersecurity and privacy protection – Information security management systems – Requirements – Amendment 1: Climate action changes	03.100.70; 35.030	2024-02
ISO 27852	Space systems – Estimation of orbit lifetime	49.140	2024-02
ISO 27996	Aerospace fluid systems – Elastomer seals – Storage and shelf life	49.080; 83.140.50	2024-02
ISO 28000 AMD 1	Security and resilience – Security management systems – Requirements – Amendment 1: Climate action changes	03.100.01; 03.100.70	2024-02
ISO 29001 AMD 1	Petroleum, petrochemical and natural gas industries – Sector-specific quality management systems – Requirements for product and service supply organizations – Amendment 1: Climate action changes	03.100.70; 75.020	2024-02
ISO/IEC 29100	Information technology – Security techniques – Privacy framework	35.030	2024-02
ISO/IEC 30107-4	Information technology – Biometric presentation attack detection – Part 4: Profile for testing of mobile devices	35.240.15	2024-02
ISO/IEC TR 30150-2	Information technology – Affective computing user interface (AUI) – Part 2: Affective characteristics	35.240.20	2024-02
ISO 30301 AMD 1	Information and documentation – Management systems for records – Requirements – Amendment 1: Climate action changes	01.140.20	2024-02
ISO 30401 AMD 2	Knowledge management systems – Requirements – Amendment 2: Climate action changes	03.100.30	2024-02
ISO 34101-1 AMD 1	Sustainable and traceable cocoa – Part 1: Requirements for cocoa sustainability management systems – Amendment 1: Climate action changes	03.100.70; 67.140.30	2024-02
ISO 34504	Road vehicles – Test scenarios for automated driving systems – Scenario categorization	43.020	2024-02
ISO 35001 AMD 1	Biorisk management for laboratories and other related organisations – Amendment 1: Climate action changes	03.100.70; 07.100.01; 11.100.01	2024-02
ISO 37001 AMD 1	Anti-bribery management systems – Requirements with guidance for use – Amendment 1: Climate action changes	03.100.01; 03.100.02; 03.100.70	2024-02
ISO 37101 AMD 1	Sustainable development in communities – Management system for sustainable development – Requirements with guidance for use – Amendment 1: Climate action changes	03.100.70; 13.020.20	2024-02
ISO 37174	Smart community infrastructures – Disaster risk reduction – Guidance for implementing seismometer systems	13.020.20; 13.200; 17.160	2024-02
ISO 37301 AMD 1	Compliance management systems – Requirements with guidance for use – Amendment 1: Climate action changes	03.100.01; 03.100.02; 03.100.70	2024-02
ISO/IEC 38500	Information technology – Governance of IT for the organization	35.020	2024-02
ISO/IEC TS 38508	Information technology – Governance of IT – Governance implications of the use of a shared digital service platform among ecosystem organizations	35.020	2024-02
ISO 39001 AMD 1	Road traffic safety (RTS) management systems – Requirements with guidance for use – Amendment 1: Climate action changes	03.100.70; 03.220.20	2024-02
ISO 41001 AMD 1	Facility management – Management systems – Requirements with guidance for use – Amendment 1: Climate action changes	03.080.10; 03.100.70	2024-02
ISO 41011	Facility management – Vocabulary	01.040.03; 03.080.10	2024-02
ISO 44001 AMD 1	Collaborative business relationship management systems – Requirements and framework – Amendment 1: Climate action changes	03.100.01; 03.100.70	2024-02
ISO 45001 AMD 1	Occupational health and safety management systems – Requirements with guidance for use – Amendment 1: Climate action changes	03.100.70; 13.100	2024-02
ISO 46001 AMD 1	Water efficiency management systems – Requirements with guidance for use – Amendment 1: Climate action changes	03.100.70; 13.060.01	2024-02

Oznaka norme	Naslov norme	ICS	Datum objave
ISO 50001 AMD 1	Energy management systems – Requirements with guidance for use – Amendment 1: Climate action changes	03.100.70; 27.015	2024-02
ISO/ASTM 52909	Additive manufacturing of metals – Finished part properties – Orientation and location dependence of mechanical properties for metal parts	25.030	2024-02
IEC 80601-2-26 AMD 1	Medical electrical equipment – Part 2-26: Particular requirements for the basic safety and essential performance of electroencephalographs – Amendment 1	11.040.01; 11.040.55	2024-02



## Međunarodna normizacija (IEC)

Oznaka norme	Naslov norme	ICS	Datum objave
CISPR 11	Industrial, scientific and medical equipment – Radio-frequency disturbance characteristics – Limits and methods of measurement	33.100.10	2024-02
IEC Guide 118	Preparation of basic and group energy efficiency publications including energy efficiency aspects	27.015	2024-02
IEC/TR 63282	LVDC systems – Assessment of standard voltages and power quality requirements	29.240.01	2024-02
IEC/TR 62730 AMD 1	HV polymeric insulators for indoor and outdoor use tracking and erosion testing by wheel test and 5000h test; Amendment 1	29.080.10	2024-02
IEC/TR 60099-10	Surge arresters – Part 10: Rationale for tests specified by IEC 60099:2014	29.240.10	2024-02
IEC/TR 63162	Electric components – Reliability – Failure rates at reference conditions	31.020	2024-02
IEC/TR 63323	Fibre optic interconnecting devices and passive components – A study of an SC connector adaptor with safety lock mechanism	33.180.20	2024-02
IEC/TR 61282-14	Fibre optic communication system design guidelines – Part 14: Determination of the uncertainties of attenuation measurements in fibre plants	33.180.01	2024-02
IEC/TR 63340-4	Electronic displays for special applications – Part 4: Public information and signage	31.120	2024-02
IEC/TR 63482	Maintenance of low voltage switchgear and controlgear and their assemblies	29.130.20	2024-02
IEC 60034-30-3	Rotating electrical machines – Part 30-3: Efficiency classes of high voltage AC motors (IE-code)	29.160.01; 29.160.10; 29.160.30	2024-02
IEC 60050-631	International Electrotechnical Vocabulary (IEV) – Part 631: Electrical energy storage systems	01.040.27; 01.040.29; 27.010; 29.240.01	2024-02
IEC 60050-651 AMD 1	International Electrotechnical Vocabulary (IEV) – Part 651: Live working; Amendment 1	01.040.13; 01.040.29; 13.260; 29.020	2024-02
IEC 60068-2-86	Environmental testing – Part 2-86: Tests -Test Fx: Vibration – Multi-exciter and multi-axis method	19.040	2024-02
IEC/TR 60068-3-15	Environmental testing – Part 3-15: Supporting documentation and guidance – Vacuum-assisted reflow soldering	19.040; 25.160.50; 31.190	2024-02
IEC 60227-1	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V – Part 1: General requirements	29.035.20; 29.060.20	2024-02
IEC 60227-3	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V – Part 3: Non-sheathed cables for fixed wiring	29.035.20; 29.060.20	2024-02
IEC 60227-4	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V – Part 4: Sheathed cables for fixed wiring	29.035.20; 29.060.20	2024-02
IEC 60227-5	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V – Part 5: Flexible cables (cords)	29.035.20; 29.060.20	2024-02
IEC 60227-7	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V – Part 7: Flexible cables screened and unscreened with two or more conductors and of rated voltages up to and including 300/500 V	29.035.20; 29.060.20; 33.120.20	2024-02
IEC 60335-2-31	Household and similar electrical appliances – Safety – Part 2-31: Particular requirements for range hoods and other cooking fume extractors	13.120; 97.040.20	2024-02
IEC 60335-2-64 AMD 1	Household and similar electrical appliances – Safety – Part 2-64: Particular requirements for commercial electric kitchen machines; Amendment 1	97.040.10; 97.040.50	2024-02
IEC 60335-2-64 Edition 4.1	Household and similar electrical appliances – Safety – Part 2-64: Particular requirements for commercial electric kitchen machines	97.040.10; 97.040.50	2024-02
IEC 60335-2-120	Household and similar electrical appliances – Safety – Part 2-120: Particular requirements for the safety of appliances for the generation of directly inhalable aerosols	13.120; 65.160; 97.180	2024-02



Oznaka norme	Naslov norme	ICS	Datum objave
IEC 60352-9	Solderless connections – Part 9: Ultrasonically welded connections – General requirements, test methods and practical guidance	29.120.20; 31.220.10	2024-02
IEC 60676	Industrial electroheating equipment – Test methods for direct arc furnaces	25.180.10	2024-02
IEC 60704-2-14 AMD 2	Household and similar electrical appliances – Test code for the determination of airborne acoustical noise – Part 2-14: Particular requirements for refrigerators, frozen-food storage cabinets and food freezers; Amendment 2	17.140.20; 97.040.20; 97.040.30	2024-02
IEC 60704-2-14 Edition 2.2	Household and similar electrical appliances – Test code for the determination of airborne acoustical noise – Part 2-14: Particular requirements for refrigerators, frozen-food storage cabinets and food freezers	17.140.20; 97.040.20; 97.040.30	2024-02
IEC/TR 60728-201	Cable networks for television signals, sound signals and interactive services – Part 201: A study of IPTV systems with examples and applications for optical broadcast services	33.160.01; 33.160.99; 33.170; 33.180.10; 35.240.95	2024-02
IEC 60939-3	Passive filter units for electromagnetic interference suppression – Part 3: Passive filter units for which safety tests are appropriate	31.160	2024-02
IEC/TR 61000-3-18	Electromagnetic compatibility (EMC) – Part 3-18: Limits – Assessment of network characteristics for the application of harmonic emission limits – Equipment connected to LV distribution systems not covered by IEC 61000-3-2 and IEC 61000-3-12	33.100.10	2024-02
IEC 61084-1 AMD 1	Cable trunking systems and cable ducting systems for electrical installations – Part 1: General requirements; Amendment 1	29.060.01; 29.120.01; 29.120.10	2024-02
IEC 61084-1 Edition 2.1	Cable trunking systems and cable ducting systems for electrical installations – Part 1: General requirements	29.060.01; 29.120.01; 29.120.10	2024-02
IEC 61084-2-3 AMD 1	Cable trunking systems and cable ducting systems for electrical installations – Part 2-3: Particular requirements – Slotted cable trunking systems intended for installation in cabinets; Amendment 1	29.060.01; 29.120.10	2024-02
IEC 61084-2-3 Edition 1.1	Cable trunking systems and cable ducting systems for electrical installations – Part 2-3: Particular requirements – Slotted cable trunking systems intended for installation in cabinets	29.060.01; 29.120.10	2024-02
IEC 61097-4	Global maritime distress and safety system (GMDSS) – Part 4: Inmarsat-C ship earth station and Inmarsat enhanced group call (EGC) equipment – Operational and performance requirements, methods of testing and required test results	47.020.70	2024-02
IEC 61169-10	Radio-frequency connectors – Part 10: Sectional specification for RF coaxial connectors with inner diameter of outer conductor 3 mm (0,12 in) with snap-on coupling – Characteristic impedance 50 $\Omega$ (Type SMB)	33.120.30	2024-02
IEC 61169-70	Radio-frequency connectors – Part 70: Sectional specification for series HD-BNC radio-frequency coaxial connectors – Characteristic Impedance 75 $\Omega$	33.120.30	2024-02
IEC 61196-13-1	Coaxial communication cables – Part 13-1: Blank detail specification for semi-rigid cables with silicon dioxide dielectric	33.120.10	2024-02
IEC 61300-2-44	Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 2-44: Tests – Flexing of the strain relief of fibre optic devices and components	33.180.20	2024-02
IEC 61523-4 Corrigendum 1	Delay and power calculation standards – Part 4: Design and Verification of Low-Power, Energy-Aware Electronic Systems; Corrigendum 1	31.200	2024-02
IEC 61753-071-02 AMD 1	Fibre optic interconnecting devices and passive components – Performance standard – Part 071-02: Non-connectorized single-mode fibre optic 1 x 2 and 2 x 2 spatial switches for category C – Controlled environments; Amendment 1	33.180.20	2024-02
IEC 61753-071-02 Edition 1.1	Fibre optic interconnecting devices and passive components – Performance standard – Part 071-02: Non-connectorized single-mode fibre optic 1 x 2 and 2 x 2 spatial switches for category C – Controlled environments	33.180.20	2024-02

Oznaka norme	Naslov norme	ICS	Datum objave
IEC/TR 61850-80-5	Communication networks and systems for power utility automation – Part 80-5: Guideline for mapping information between IEC 61850 and IEC 61158-15	33.040.40; 33.200	2024-02
IEC 61970-457	Energy management system application program interface (EMS-API) – Part 457: Dynamics profile	33.200; 35.240.50	2024-02
IEC 62047-44	Semiconductor devices – Micro-electromechanical devices – Part 44: Test methods for dynamic performances of MEMS resonant electric-field-sensitive devices	31.080.01; 31.080.99; 31.220.01	2024-02
IEC 62282-6-101	Fuel cell technologies – Part 6-101: Micro fuel cell power systems – Safety – General requirements	27.070	2024-02
IEC 62282-6-106	Fuel cell technologies – Part 6-106: Micro fuel cell power systems – Safety – Indirect Class 8 (corrosive) compounds	27.070	2024-02
IEC 62561-7	Lightning protection system components (LPSC) – Part 7: Requirements for earthing enhancing compounds	29.020; 91.120.40	2024-02
IEC/TS 62607-6-4	Nanomanufacturing – Key control characteristics – Part 6-4: Graphene-based materials – Surface conductance: non-contact microwave resonant cavity method	7.120	2024-02
IEC 62836	Measurement of internal electric field in insulating materials – Pressure wave propagation method	17.220.20; 17.220.99; 29.035.01	2024-02
IEC 62841-2-6 AMD 1	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 2-6: Particular requirements for hand-held hammers; Amendment 1	25.140.20	2024-02
IEC 62841-2-6 Edition 1.1	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 2-6: Particular requirements for hand-held hammers	25.140.20	2024-02
IEC 62841-2-12	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 2-12: Particular requirements for hand-held concrete vibrators	25.140.20	2024-02
IEC 62841-3-4 AMD 2	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 3-4: Particular requirements for transportable bench grinders; Amendment 2	25.080.50; 25.140.20	2024-02
IEC 62841-3-4 Edition 1.2	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 3-4: Particular requirements for transportable bench grinders	25.080.50; 25.140.20	2024-02
IEC 62889	Digital video interface – Gigabit video interface for multimedia systems	33.160.40; 33.160.60; 35.200	2024-02
IEC/TS 63001	Measurement of cavitation noise in ultrasonic baths and ultrasonic reactors	17.140.01; 17.140.50	2024-02
IEC 63118-1	12 V lithium-ion secondary batteries for automotive starting, lighting, ignition (SLI) applications and auxiliary purposes – Part 1: General requirements and methods of test	29.220.20; 29.220.30	2024-02
IEC 63145-22-20	Eyewear display – Part 22-20: Specific measurement methods for AR type – Image quality	17.180.99; 31.120	2024-02
IEC 63281-2-1	e-Transporters – Part 2-1: Safety requirements and test methods for personal e-Transporters	43.120	2024-02
IEC 63305	Underwater acoustics – Calibration of acoustic wave vector receivers in the frequency range 5 Hz to 10 kHz	17.140.50	2024-02
IEC/TS 63337	Basic qualification of DC-link film capacitors for automotive use – General requirements, test conditions and tests	31.060.99	2024-02
IEC 63403-1	Horticultural lighting – LED packages for horticultural lighting – Part 1: Specification sheet	29.140.99	2024-02
IEC 63403-2	Horticultural lighting – LED packages for horticultural lighting – Part 2: Binning	29.140.99	2024-02
IEC 63404	Switchgear and controlgear and their assemblies for low voltage – Integration of radiocommunication device above 380 MHz into an equipment	29.130.20	2024-02
IEC/TS 63499	Encoding guidelines for interoperable master format – Application #6	33.160.01; 35.040.40	2024-02
IEC 80601-2-26 AMD 1	Medical electrical equipment – Part 2-26: Particular requirements for the basic safety and essential performance of electroencephalographs; Amendment 1	11.040.01; 11.040.55	2024-02

Oznaka norme	Naslov norme	ICS	Datum objave
IEC 80601-2-26 Edition 1.1	Medical electrical equipment – Part 2-26: Particular requirements for the basic safety and essential performance of electroencephalographs	11.040.01; 11.040.55	2024-02
ISO/IEC Guide 98-1	Guide to the expression of uncertainty in measurement – Part 1: Introduction	17.020	2024-02
ISO/IEC 3532-2	Information technology – Medical image-based modelling for 3D printing – Part 2: Segmentation	25.030; 35.240.80	2024-02
ISO/IEC 5927	Computer graphics, image processing and environmental data representation – Augmented and virtual reality safety – Guidance on safe immersion, set up and usage	35.020	2024-02
ISO/IEC 7184	Office equipment – Security requirements for hard copy devices (HCDs) – Part 1: Definition of the basic requirements	33.050.30; 37.100.10	2024-02
ISO/IEC 9594-8 Technical Corrigendum 2	Information technology – Open systems interconnection – Part 8: The Directory: Public-key and attribute certificate frameworks; Technical Corrigendum 2	35.100.70	2024-02
ISO/IEC 19763-3 AMD 1	Information technology – Metamodel framework for interoperability (MFI) – Part 3: Metamodel for ontology registration – Amendment 1: Alignment with Edition 4 of ISO/IEC 11179-3	35.040.50	2024-02
ISO/IEC 19763-6 AMD 1	Information technology – Metamodel framework for interoperability (MFI) – Part 6: Registry Summary – Amendment 1: Alignment with Edition 4 of ISO/IEC 11179-3	35.040.50	2024-02
ISO/IEC 19770-1 AMD 1	Information technology – IT asset management – Part 1: IT asset management systems – Requirements – Amendment 1: Climate action changes	03.100.70; 35.080	2024-02
ISO/IEC 20000-1 AMD 1	Information technology – Service management – Part 1: Service management system requirements – Amendment 1: Climate action changes	03.080.99; 35.020	2024-02
ISO/IEC 20924	Internet of Things (IoT) and digital twin – Vocabulary	01.040.35; 35.020	2024-02
ISO/IEC 22237-2	Information technology – Data centre facilities and infrastructures – Part 2: Building construction	35.020	2024-02
ISO/IEC 22237-6	Information technology – Data centre facilities and infrastructures – Part 6: Security systems	13.220.99; 13.310; 35.020	2024-02
ISO/IEC 23000-19	Information technology – Multimedia application format (MPEG-A) – Part 19: Common media application format (CMAF) for segmented media	35.040.40	2024-02
ISO/IEC 23001-17	Information technology – MPEG systems technologies – Part 17: Carriage of uncompressed video and images in ISO base media file format	35.040.40	2024-02
ISO/IEC 27001 AMD 1	Information security, cybersecurity and privacy protection – Information security management systems – Requirements – Amendment 1: Climate action changes	03.100.70; 35.030	2024-02
ISO/IEC 29100	Information technology – Security techniques – Privacy framework	35.030	2024-02
ISO/IEC 30107-4	Information technology – Biometric presentation attack detection – Part 4: Profile for testing of mobile devices	35.240.15	2024-02
ISO/IEC TR 30150-2	Information technology – Affective computing user interface (AUI) – Part 2: Affective characteristics	35.240.20	2024-02
ISO/IEC 38500	Information technology – Governance of IT for the organization	35.020	2024-02
ISO/IEC TS 38508	Information technology – Governance of IT – Governance implications of the use of a shared digital service platform among ecosystem organizations	35.020	2024-02
IEC 80601-2-26 AMD 1	Medical electrical equipment – Part 2-26: Particular requirements for the basic safety and essential performance of electroencephalographs – Amendment 1	11.040.01; 11.040.55	2024-02
IEC/TR 63340-5	Electronic displays for special applications – Part 5: Review of relevance of TC 110 standards to automotive application	31.120	2024-02