

# Hrvatski zavod za norme

## Oglasnik za normativne dokumente

5/2024

31. svibnja 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                                   | A9  |
| 1.3      | Prijedlozi za prihvaćanje stranih norma u izvorniku      | A10 |
| 1.4      | Povučene hrvatske norme                                  | A17 |
| 1.5      | Povučeni nacrti hrvatskih norma                          |     |
| 1.6      | Ispravci hrvatskih norma                                 | A25 |
| 1.7      | Naslovi objavljenih hrvatskih norma na hrvatskome jeziku |     |
| 1.8      | Drugi normativni dokumenti                               |     |
| 1.9      | Opća izdanja HZN-a                                       |     |
| 1.10     | Prijevod hrvatskih normativnih dokumenata                | A31 |
| <b>2</b> | <b>Rezultati međunarodne i europske normizacije</b>      | A32 |

# 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 8, *Brodogradnja*

HRN EN ISO 10240:2024 en pr  
Mala plovila – Korisnički priručnik (ISO 10240:2022; EN ISO 10240:2024)  
Small craft – Owner's manual (ISO 10240:2022; EN ISO 10240:2024)

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

HRN EN 12845-3:2024 en pr  
Stabilni protupožarni sustavi – Automatski sustavi za prskanje (sprinkler sustavi) – 3. dio: Upute za protupotresno učvršćivanje (EN 12845-3:2024)  
Fixed firefighting systems – Automatic sprinkler systems – Part 3: Guidance for earthquake bracing (EN 12845-3:2024)

HRN EN 14972-4:2024 en pr  
Stabilni protupožarni sustavi – Sustavi vodene magle – 4. dio: Protokol ispitivanja za sustave s automatskim mlaznicama u prostorima koji nisu namijenjeni skladištenju (EN 14972-4:2024)  
Fixed firefighting systems – Water mist systems – Part 4: Test protocol for non-storage occupancies for automatic nozzle systems (EN 14972-4:2024)

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

HRN ISO 7927-1:2024 en pr  
Mirodije i začini – Sjeme komorača, cijelo ili mljeveno – 1. dio: Specifikacija sjemena gorkoga komorača (Foeniculum vulgare P. Miller var. vulgare) (ISO 7927-1:2023)  
Spices and condiments – Fennel seed, whole or ground – Part 1: Bitter fennel seed specification (Foeniculum vulgare P. Miller var. vulgare) (ISO 7927-1:2023)

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

HRN EN ISO 3677:2024 en pr  
Dodatni materijal za tvrdo lemljenje – Označivanje (ISO 3677:2024; EN ISO 3677:2024)  
Filler metal for brazing – Designation (ISO 3677:2024; EN ISO 3677:2024)

HRN EN ISO 10882-1:2024 en pr  
Zdravlje i sigurnost pri zavarivanju i srodnim postupcima – Uzorkovanje letećih čestica i plinova u području disanja rukovatelja – 1. dio: Uzorkovanje letećih čestica (ISO 10882-1:2024; EN ISO 10882-1:2024)  
Health and safety in welding and allied processes – Sampling of airborne particles and gases in the operator's breathing zone – Part 1: Sampling of airborne particles (ISO 10882-1:2024; EN ISO 10882-1:2024)

HRN EN ISO 10882-2:2024 en pr  
Zdravlje i sigurnost pri zavarivanju i srodnim postupcima – Uzorkovanje letećih čestica i plinova u području udisanja radnika – 2. dio: Uzorkovanje plinova (ISO 10882-2:2024; EN ISO 10882-2:2024)  
Health and safety in welding and allied processes – Sampling of airborne particles and gases in the operator's breathing zone – Part 2: Sampling of gases (ISO 10882-2:2024; EN ISO 10882-2:2024)

HRN EN ISO 17672:2024 en pr  
Tvrdo lemljenje – Dodatni materijali (ISO 17672:2024; EN ISO 17672:2024)  
Brazing – Filler metals (ISO 17672:2024; EN ISO 17672:2024)

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

HRN EN ISO 22042:2021/A1:2024 en pr  
Rashladni ormari za brzo hlađenje i zamrzavanje za profesionalnu upotrebu – Klasifikacija, zahtjevi i uvjeti ispitivanja (ISO 22042:2021/Amd 1:2024; EN ISO 22042:2021/A1:2024)  
Blast chiller and freezer cabinets for professional use – Classification, requirements and test conditions (ISO 22042:2021/Amd 1:2024; EN ISO 22042:2021/A1:2024)

### HZN/TO 120, *Koža i obuća*

HRN EN ISO 20433:2024 en pr  
Koža – Ispitivanje postojanosti obojenja – Postojanost obojenja na trenje (ISO 20433:2024; EN ISO 20433:2024)  
Leather – Tests for colour fastness – Colour fastness to crocking (ISO 20433:2024; EN ISO 20433:2024)

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

HRN 1104:2024 hr izv  
Gnojiva – Određivanje sadržaja kalija – Metoda plamene emisijske spektrometrije  
Fertilizers – Determination of potassium content – Flame emission spectrometric method

HRN EN 1482-4:2024 en pr  
Gnojiva, tvari za kalcizaciju i inhibitori – Uzorkovanje i priprema uzoraka – 4. dio: Uzorkovanje za prisutnost mikroorganizama (EN 1482-4:2024)  
Fertilizers, liming materials and inhibitors – Sampling and sample preparation – Part 4: Sampling for microbial presence (EN 1482-4:2024)

HRN ISO 7851:2024 en pr  
Gnojiva, poboljšivači tla i korisne tvari – Klasifikacija (ISO 7851:2022)  
Fertilizers, soil conditioners and beneficial substances – Classification (ISO 7851:2022)

HRN ISO 8157:2024 en pr  
Gnojiva, poboljšivači tla i korisne tvari – Terminološki rječnik (ISO 8157:2022)  
Fertilizers, soil conditioners and beneficial substances – Vocabulary (ISO 8157:2022)

HRN EN 12579:2024 en pr  
Poboljšivači tla i supstrati – Uzorkovanje (EN 12579:2024)  
Soil improvers and growing media – Sampling (EN 12579:2024)

### HZN/TO 136, *Namještaj*

HRN EN 14988:2024 en pr  
Dječje visoke stolice – Zahtjevi i metode ispitivanja (EN 14988:2017+A2:2024)  
Children's high chairs – Requirements and test methods (EN 14988:2017+A2:2024)

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

HRN EN 549:2024 en pr  
Elastomerni materijali za brtve i membrane za plinske uređaje i plinsku opremu (EN 549:2019+A2:2024)  
Rubber materials for seals and diaphragms for gas appliances and gas equipment (EN 549:2019+A2:2024)

### HZN/TO 147, *Kvaliteta vode*

HRN EN ISO 5667-3:2024 en pr  
Kvaliteta vode – Uzorkovanje – 3. dio: Čuvanje i rukovanje uzorcima vode (ISO 5667-3:2024; EN ISO 5667-3:2024)  
Water quality – Sampling – Part 3: Preservation and handling of water samples (ISO 5667-3:2024; EN ISO 5667-3:2024)

## HZN/TO 163, *Toplinska izolacija*

HRN EN ISO 23766:2024 en pr  
Toplinsko-izolacijski proizvodi za industrijske instalacije  
– Određivanje koeficijenta toplinskog izduženja pri temperaturama nižim od temperature okoline (ISO 23766:2022; EN ISO 23766:2024)  
Thermal insulating products for industrial installations  
– Determination of the coefficient of linear thermal expansion at sub-ambient temperatures (ISO 23766:2022; EN ISO 23766:2024)

## HZN/TO 167, *Metalne konstrukcije*

HRN EN 1090-2:2024 en pr  
Izvedba čeličnih i aluminijskih konstrukcija – 2. dio: Tehnički zahtjevi za čelične konstrukcije (EN 1090-2:2018+A1:2024)  
Execution of steel structures and aluminium structures – Part 2: Technical requirements for steel structures (EN 1090-2:2018+A1:2024)

## HZN/TO 215, *Zdravstvena informatika*

HRN EN ISO 18104:2024 en pr  
Zdravstvena informatika – Kategorijske strukture za prikaz sestrijske prakse u sustavima nazivlja (ISO 18104:2023; EN ISO 18104:2023)  
Health informatics – Categorial structures for representation of nursing practice in terminological systems (ISO 18104:2023; EN ISO 18104:2023)

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

HRN EN ISO 8804-1:2024 en pr  
Zahtjevi za obuku znanstvenih ronilaca – 1. dio: Znanstveni ronioci (ISO 8804-1:2024; EN ISO 8804-1:2024)  
Requirements for the training of scientific divers – Part 1: Scientific divers (ISO 8804-1:2024; EN ISO 8804-1:2024)

HRN EN ISO 8804-2:2024 en pr  
Zahtjevi za obuku znanstvenih ronilaca – 2. dio: Napredni znanstveni ronioci (ISO 8804-2:2024; EN ISO 8804-2:2024)  
Requirements for the training of scientific divers – Part 2: Advanced scientific divers (ISO 8804-2:2024; EN ISO 8804-2:2024)

HRN EN ISO 8804-3:2024 en pr  
Zahtjevi za obuku znanstvenih ronilaca – 3. dio: Voditelj projekata znanstvenog ronjenja (ISO 8804-3:2024; EN ISO 8804-3:2024)  
Requirements for the training of scientific divers – Part 3: Scientific diving project leader (ISO 8804-3:2024; EN ISO 8804-3:2024)

HRN EN ISO 24808:2024 en pr  
Usluge rekreativnog ronjenja – Zahtjevi za obuku instruktora ronjenja s aparatom zatvorenog kruga (rebreather) (ISO 24808:2024; EN ISO 24808:2024)  
Recreational diving services – Requirements for rebreather instructor training (ISO 24808:2024; EN ISO 24808:2024)

## HZN/TO 238, *Čvrsta biogoriva*

HRN EN ISO 18847:2024 en pr  
Čvrsta biogoriva – Određivanje gustoće čestica peleta i briketa (ISO 18847:2024; EN ISO 18847:2024)  
Solid biofuels – Determination of particle density of pellets and briquettes (ISO 18847:2024; EN ISO 18847:2024)

## HZN/TO 502, *Plinski uređaji*

HRN EN 30-1-2:2024 en pr  
Plinski uređaji za kuhanje za kućanstva – Dio 1-2: Sigurnost – Uređaji s prisilnom cirkulacijom zraka u pećnicama (EN 30-1-2:2023+A1:2024)  
Domestic cooking appliances burning gas – Part 1-2: Safety – Appliances having forced-convection ovens (EN 30-1-2:2023+A1:2024)

## HZN/TO 503, *Metalni materijali*

HRN EN 10051:2024 en pr  
Neprekinuta, toplo valjana traka i ploča/lim izrezana iz široke trake od nelegiranih i legiranih čelika – Dopuštena odstupanja dimenzija i oblika (EN 10051:2024)  
Continuously hot-rolled strip and plate/sheet cut from wide strip of non-alloy and alloy steels – Tolerances on dimensions and shape (EN 10051:2024)

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

HRN EN ISO 7539-6:2018/A1:2024 en pr  
Korozija metala i legura – Ispitivanje korozije uz naprezanje – 6. dio: Priprema i primjena uzoraka s urezom za ispitivanja pod stalnim opterećenjem ili stalnim pomakom (ISO 7539-6:2018/Amd 1:2024; EN ISO 7539-6:2018/A1:2024)  
Corrosion of metals and alloys – Stress corrosion testing – Part 6: Preparation and use of precracked specimens for tests under constant load or constant displacement (ISO 7539-6:2018/Amd 1:2024; EN ISO 7539-6:2018/A1:2024)

## HZN/TO 508, *Ambalaža i pakiranje*

HRN EN ISO 7965-1:2024 en pr  
Ambalaža – Ispitivanje bacanjem – 1. dio: Papirnate vreće (ISO 7965-1:2024; EN ISO 7965-1:2024)  
Packaging – Drop test – Part 1: Paper sacks (ISO 7965-1:2024; EN ISO 7965-1:2024)

## HZN/TO 509, *Cestovna oprema*

HRN EN 12368:2024 en pr  
Oprema za regulaciju prometa – Prometna svjetla (EN 12368:2024)  
Traffic control equipment – Signal heads (EN 12368:2024)

HRN EN 17383:2024 en pr  
Barijere za zaštitu od buke s cesta – Održivost: Izjava o ključnim pokazateljima uspješnosti (KPI) (EN 17383:2024)  
Road traffic noise reducing devices – Sustainability: Key Performance Indicators (KPIs) Declaration (EN 17383:2024)

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

HRN EN ISO 24161:2024 en pr  
Skupljanje i prijevoz otpada – Terminološki rječnik (ISO 24161:2022; EN ISO 24161:2024)  
Waste collection and transportation management – Vocabulary (ISO 24161:2022; EN ISO 24161:2024)

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

HRS CEN/TS 16614-5:2024 en pr  
Javni prijevoz – Razmjena podataka o mreži i redovima vožnje (NeTEx) – 5. dio: Format za razmjenu podataka o drugim načinima prijevoza (CEN/TS 16614-5:2022)  
Public transport – Network and timetable exchange (NeTEx) – Part 5: Alternative modes exchange format (CEN/TS 16614-5:2022)

HRS CEN/TS 17875:2024 en pr  
Inteligentni transportni sustavi – Elektronička sigurnost – Arhitektura informacijskog sustava za podršku u incidentnim situacijama (ISIS) (CEN/TS 17875:2022)  
Intelligent transport systems – eSafety – Incident Support Information System (ISIS) Architecture (CEN/TS 17875:2022)

HRI CEN/TR 17949:2024 en pr  
Javni prijevoz – Distribucijsko aplikacijsko sučelje za MaaS (CEN/TR 17949:2023)  
Public transport – Distribution APIs for MaaS (CEN/TR 17949:2023)

HRS CEN ISO/TS 21719-2:2024 en pr  
Elektronička naplata – Personalizacija opreme u vozilu (OBE) – 2. dio: Upotreba namjenske komunikacije kratkog doseg (ISO/TS 21719-2:2022; CEN ISO/TS 21719-2:2022)  
Electronic fee collection – Personalization of on-board equipment (OBE) – Part 2: Using dedicated short-range communication (ISO/TS 21719-2:2022; CEN ISO/TS 21719-2:2022)

HRS CEN ISO/TS 37444:2024 en pr  
Elektronička naplata – Okvir značajki naplaćivanja  
(ISO/TS 37444:2023; CEN ISO/TS 37444:2023)  
Electronic fee collection – Charging performance framework  
(ISO/TS 37444:2023; CEN ISO/TS 37444:2023)

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

HRN EN 14067-4:2024 en pr  
Željeznički sustav – Aerodinamika – 4. dio: Zahtjevi  
i ispitni postupci za aerodinamiku na otvorenoj pruzi  
(EN 14067-4:2024)  
Railway applications – Aerodynamics – Part 4: Requirements  
and assessment procedures for aerodynamics on open track  
(EN 14067-4:2024)

HRN EN 15328:2024 en pr  
Željeznički sustav – Kočenje – Kočni ulošci  
(EN 15328:2020+A1:2024)  
Railway applications – Braking – Brake pads  
(EN 15328:2020+A1:2024)

HRN EN 16451:2024 en pr  
Željeznički sustav – Kočenje – Nosač kočne papuče  
(EN 16451:2024)  
Railway applications – Braking – Brake pad holder  
(EN 16451:2024)

HRN EN 17149-1:2024 en pr  
Željeznički sustav – Ocjena čvrstoće konstrukcija željezničkih  
vozila – 1. dio: Općenito (EN 17149-1:2024)  
Railway applications – Strength assessment of railway vehicle  
structures – Part 1: General (EN 17149-1:2024)

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

HRN EN 1570-1:2024 en pr  
Sigurnosni zahtjevi za podizne platforme – 1. dio: Podizne  
platforme za opsluživanje do dvije fiksne površine  
(EN 1570-1:2024)  
Safety requirements for lifting tables – Part 1: Lifting tables  
serving up to two fixed landing (EN 1570-1:2024)

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

HRN EN ISO 2398:2024 en pr  
Gumena crijeva za stlačeni zrak ojačana tekstilom  
– Specifikacija (ISO 2398:2024; EN ISO 2398:2024)  
Rubber hoses, textile-reinforced, for compressed air  
– Specification (ISO 2398:2024; EN ISO 2398:2024)

HRN EN ISO 4641:2024 en pr  
Gumena crijeva i crijevni spojevi za dovod i odvod vode  
– Specifikacija (ISO 4641:2024; EN ISO 4641:2024)  
Rubber hoses and hose assemblies for water suction and  
discharge – Specification (ISO 4641:2024; EN ISO 4641:2024)

HRN EN ISO 5771:2024 en pr  
Gumena crijeva i crijevni uređaji za transport bezvodnog  
amonijaka – Specifikacija (ISO 5771:2024; EN ISO 5771:2024)  
Rubber hoses and hose assemblies for transferring  
anhydrous ammonia – Specification (ISO 5771:2024;  
EN ISO 5771:2024)

HRN EN ISO 6224:2024 en pr  
Plastomerna crijeva opće namjene za vodu ojačana tekstilom  
– Specifikacija (ISO 6224:2024; EN ISO 6224:2024)  
Thermoplastics hoses, textile-reinforced, for general-purpose  
water applications – Specification (ISO 6224:2024;  
EN ISO 6224:2024)

HRN EN 15348:2024 en pr  
Plastika – Reciklirana plastika – Karakterizacija poli(etilen-  
tereftalatnih) (PET) reciklata (EN 15348:2024)  
Plastics – Recycled plastics – Characterization of poly(ethylene  
terephthalate) (PET) recyclates (EN 15348:2024)

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

HRN EN 12972:2024 en pr  
Spremnici za prijevoz opasnih stvari – Ispitivanje, inspekcija i  
označavanje metalnih spremnika (EN 12972:2018+A1:2024)  
Tanks for transport of dangerous goods – Testing, inspection  
and marking of metallic tanks (EN 12972:2018+A1:2024)

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

HRN EN 17871:2024 en pr  
Staklo u graditeljstvu – Spektrofotometrijske značajke  
proizvoda od stakla – Postupak validacije proračunskog alata  
(EN 17871:2024)  
Glass in building – Spectrophotometric characteristics of  
glass products – Validation procedure for calculation tool  
(EN 17871:2024)

### **HZN/TO 549, Svjetlo i rasvjeta**

HRN EN 12665:2024 en pr  
Svjetlo i rasvjeta – Osnovni nazivi i kriteriji za specificiranje  
zahtjeva rasvjete (EN 12665:2024)  
Light and lighting – Basic terms and criteria for specifying  
lighting requirements (EN 12665:2024)

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

HRN EN ISO 21265:2024 en pr  
Brtvila u graditeljstvu – Ocjenjivanje rasta gljivica na površini  
brtvila (ISO 21265:2021; EN ISO 21265:2024)  
Building and civil engineering sealants – Assessment of  
the fungal growth on sealant surfaces (ISO 21265:2021;  
EN ISO 21265:2024)

HRN EN ISO 22014:2024 en pr  
Elementi biblioteke za arhitekturu, inženjerstvo, građevinarstvo  
i uporabu (ISO 22014:2024; EN ISO 22014:2024)  
Library objects for architecture, engineering, construction and  
use (ISO 22014:2024; EN ISO 22014:2024)

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

HRN EN 12255-8:2024 en pr  
Uređaji za pročišćivanje otpadnih voda – 8. dio: Obrada i  
odlaganje mulja (EN 12255-8:2024)  
Wastewater treatment plants – Part 8: Sludge treatment and  
storage (EN 12255-8:2024)

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

HRN EN ISO 14456:2024 en pr  
Plinske boce – Svojstva plina i pridružene klasifikacijske  
(FTSC) oznake (ISO 14456:2024; EN ISO 14456:2024)  
Gas cylinders – Gas properties and associated classification  
(FTSC) codes (ISO 14456:2024; EN ISO 14456:2024)

HRN EN ISO 17871:2020/A1:2024 en pr  
Plinske boce – Brzootvarajući ventili – Specifikacija i ispitivanje  
tipa (ISO 17871:2020/Amd 1:2024; EN ISO 17871:2020/A1:2024)  
Gas cylinders – Quick-release cylinder valves – Specification  
and type testing (ISO 17871:2020/Amd 1:2024;  
EN ISO 17871:2020/A1:2024)

### **HZN/TO 569, Hrana za životinje**

HRN EN ISO 30024:2024 en pr  
Hrana za životinje – Određivanje aktivnosti fitaze  
(ISO 30024:2024; EN ISO 30024:2024)  
Animal feeding stuffs – Determination of phytase activity  
(ISO 30024:2024; EN ISO 30024:2024)

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

HRN EN ISO 56008:2024 en pr  
Upravljanje inovacijama – Alati i metode za mjerenje povezane  
s inovacijskim aktivnostima – Upute (ISO 56008:2024;  
EN ISO 56008:2024)  
Innovation management – Tools and methods for innovation  
operation measurements – Guidance (ISO 56008:2024;  
EN ISO 56008:2024)

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

HRN EN ISO 23611-2:2024 en pr  
Kvaliteta tla – Uzorkovanje beskraljčnjaka u tlu – 2. dio:  
Uzorkovanje i izdvajanje mikročlankonožaca (Collembola i  
Acarina) (ISO 23611-2:2024; EN ISO 23611-2:2024)  
Soil quality – Sampling of soil invertebrates – Part 2: Sampling  
and extraction of micro-arthropods (Collembola and Acarina)  
(ISO 23611-2:2024; EN ISO 23611-2:2024)

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

HRN EN 17015-1:2024 en pr  
Elektronička javna nabava – Katalog – 1. dio: Koreografije (EN 17015-1:2024)  
Electronic Public Procurement – Catalogue – Part 1: Choreographies (EN 17015-1:2024)

HRN EN 17016-1:2024 en pr  
Elektronička javna nabava – Naručivanje – 1. dio: Koreografije (EN 17016-1:2024)  
Electronic Public Procurement – Ordering – Part 1: Choreographies (EN 17016-1:2024)

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

HRN EN ISO/IEC 15408-1:2024 en pr  
Informacijska sigurnost, kibernetička sigurnost i zaštita privatnosti – Kriteriji za vrednovanje sigurnosti IT-a – 1. dio: Uvod i opći model (ISO/IEC 15408-1:2022; EN ISO/IEC 15408-1:2023)  
Information security, cybersecurity and privacy protection – Evaluation criteria for IT security – Part 1: Introduction and general model (ISO/IEC 15408-1:2022; EN ISO/IEC 15408-1:2023)

HRN EN ISO/IEC 15408-2:2024 en pr  
Informacijska sigurnost, kibernetička sigurnost i zaštita privatnosti – Kriteriji za vrednovanje sigurnosti IT-a – 2. dio: Funkcionalni zahtjevi za sigurnost (ISO/IEC 15408-2:2022; EN ISO/IEC 15408-2:2023)  
Information security, cybersecurity and privacy protection – Evaluation criteria for IT security – Part 2: Security functional components (ISO/IEC 15408-2:2022; EN ISO/IEC 15408-2:2023)

HRN EN ISO/IEC 15408-3:2024 en pr  
Informacijska sigurnost, kibernetička sigurnost i zaštita privatnosti – Kriteriji za vrednovanje sigurnosti IT-a – 3. dio: Jamstveni zahtjevi za sigurnost (ISO/IEC 15408-3:2022; EN ISO/IEC 15408-3:2023)  
Information security, cybersecurity and privacy protection – Evaluation criteria for IT security – Part 3: Security assurance components (ISO/IEC 15408-3:2022; EN ISO/IEC 15408-3:2023)

HRN EN ISO/IEC 15408-4:2024 en pr  
Informacijska sigurnost, kibernetička sigurnost i zaštita privatnosti – Kriteriji za vrednovanje sigurnosti IT-a – 4. dio: Okvir za specificiranje postupaka vrednovanja i aktivnosti (ISO/IEC 15408-4:2022; EN ISO/IEC 15408-4:2023)  
Information security, cybersecurity and privacy protection – Evaluation criteria for IT security – Part 4: Framework for the specification of evaluation methods and activities (ISO/IEC 15408-4:2022; EN ISO/IEC 15408-4:2023)

HRN EN ISO/IEC 15408-5:2024 en pr  
Informacijska sigurnost, kibernetička sigurnost i zaštita privatnosti – Kriteriji za vrednovanje sigurnosti IT-a – 5. dio: Predefinirani paketi sigurnosnih zahtjeva (ISO/IEC 15408-5:2022; EN ISO/IEC 15408-5:2023)  
Information security, cybersecurity and privacy protection – Evaluation criteria for IT security – Part 5: Pre-defined packages of security requirements (ISO/IEC 15408-5:2022; EN ISO/IEC 15408-5:2023)

HRN EN 17926:2024 en pr  
Sustav upravljanja osobnim podacima po ISO/IEC 27701 – Poboljšanja u europskom kontekstu (EN 17926:2023)  
Privacy Information Management System per ISO/IEC 27701 – Refinements in European context (EN 17926:2023)

HRN EN 17927:2024 en pr  
Norma za vrednovanje sigurnosti IoT platformi (SESIP) – Učinkovita metodologija za provođenje procjene kibernetičke sigurnosti i ponovnog korištenja povezanih proizvoda (EN 17927:2023)  
Security Evaluation Standard for IoT Platforms (SESIP) – An effective methodology for applying cybersecurity assessment and re-use for connected products (EN 17927:2023)

HRN EN ISO/IEC 27006-1:2024 en pr  
Informacijska sigurnost, kibernetička sigurnost i zaštita privatnosti – Zahtjevi za tijela koja provode audit i certifikaciju sustava upravljanja informacijskom sigurnošću – 1. dio: Općenito (ISO/IEC 27006-1:2024; EN ISO/IEC 27006-1:2024)  
Information security, cybersecurity and privacy protection – Requirements for bodies providing audit and certification of information security management systems – Part 1: General (ISO/IEC 27006-1:2024; EN ISO/IEC 27006-1:2024)

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

HRN EN IEC 60034-2-1:2024 en pr  
Rotacijski električni strojevi – Dio 2-1: Normirane metode određivanja gubitaka i korisnosti ispitivanjima (isključujući strojeve za vučna vozila) (IEC 60034-2-1:2024; EN IEC 60034-2-1:2024)  
Rotating electrical machines – Part 2-1: Standard methods for determining losses and efficiency from tests (excluding machines for traction vehicles) (IEC 60034-2-1:2024; EN IEC 60034-2-1:2024)

HRN EN IEC 60034-2-2:2024 en pr  
Rotacijski električni strojevi – Dio 2-2: Posebne metode za određivanje pojedinih gubitaka velikih strojeva ispitivanjima – Dodatak normi IEC 60034-2-1 (IEC 60034-2-2:2024; EN IEC 60034-2-2:2024)  
Rotating electrical machines – Part 2-2: Specific methods for determining separate losses of large machines from tests – Supplement to IEC 60034-2-1 (IEC 60034-2-2:2024; EN IEC 60034-2-2:2024)

HRN EN IEC 60034-2-3:2024 en pr  
Rotacijski električni strojevi – Dio 2-3: Posebne metode ispitivanja za određivanje gubitaka i učinkovitosti izmjeničnih motora koji se napajaju iz konvertera (IEC 60034-2-3:2024; EN IEC 60034-2-3:2024)  
Rotating electrical machines – Part 2-3: Specific test methods for determining losses and efficiency of converter-fed AC motors (IEC 60034-2-3:2024; EN IEC 60034-2-3:2024)

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

HRN EN IEC 60684-3-116:2024 en pr  
Savijljive izolacijske navlake – 3. dio: Specifikacije za pojedinačne tipove navlaka – 116. i 117. list: Ekstrudirane polikloroprenske navlake, opća namjena (IEC 60684-3-116:2024; EN IEC 60684-3-116:2024)  
Flexible insulating sleeving – Part 3: Specifications for individual types of sleeving – Sheets 116 and 117: Extruded polychloroprene, general purpose (IEC 60684-3-116:2024; EN IEC 60684-3-116:2024)

## **HZN/TO E22, *Energetska elektronika***

HRN EN IEC 60146-1-1:2024 en pr  
Poluvodički pretvarači – Opći zahtjevi i mrežom komutirani pretvarači – Dio 1-1: Specifikacije temeljnih zahtjeva (IEC 60146-1-1:2024; EN IEC 60146-1-1:2024)  
Semiconductor converters – General requirements and line commutated converters – Part 1-1: Specification of basic requirements (IEC 60146-1-1:2024; EN IEC 60146-1-1:2024)

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

HRN EN 14986:2024 en pr  
Konstrukcija ventilatora za potencijalno eksplozivne atmosfere (EN 14986:2024)  
Design of fans working in potentially explosive atmospheres (EN 14986:2024)

HRN EN IEC 60079-26:2024 en pr  
Eksplozivne atmosfere – 26. dio: Oprema s elementima za odvajanje ili kombiniranim razinama zaštite (IEC 60079-26:2021; EN IEC 60079-26:2024)  
Explosive atmospheres – Part 26: Equipment with Separation Elements or combined Levels of Protection (IEC 60079-26:2021; EN IEC 60079-26:2024)

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

HRI IEC/TR 61869-100:2022/Ispr.1:2024 en pr  
Mjerni transformatori – 100. dio: Smjernice za primjenu strujnih transformatora kod relejne zaštite u elektroenergetskom sustavu (IEC/TR 61869-100:2017/Corr.1:2023)  
Instrument transformers – Part 100: Guidance for application of current transformers in power system protection (IEC/TR 61869-100:2017/Corr.1:2023)

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

HRN EN 60601-1:2008/A13:2024 en pr  
Medicinska električna oprema – 1. dio: Opći zahtjevi za osnovnu sigurnost i bitne radne značajke  
EN 60601-1:2006/A13:2024)  
Medical electrical equipment – Part 1: General requirements for safety (EN 60601-1:2006/A13:2024)

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

HRN EN IEC 61784-5-21:2019/A1:2024 en pr  
Industrijske komunikacijske mreže – Profili – Dio 5-21: Instalacija industrijskih sabirnica (fieldbus) – Instalacijski profili za CPF 21 (IEC 61784-5-21:2018/am1:2024; EN IEC 61784-5-21:2018/A1:2024)  
Industrial communication networks – Profiles – Part 5-21: Installation of fieldbuses – Installation profiles for CPF 21 (IEC 61784-5-21:2018/am1:2024; EN IEC 61784-5-21:2018/A1:2024)

HRN EN IEC 61784-5-22:2024 en pr  
Industrijske mreže – Profili – Dio 5-22: Instalacija industrijskih sabirnica (fieldbus) – Instalacijski profili za CPF 22 (IEC 61784-5-22:2024; EN IEC 61784-5-22:2024)  
Industrial networks – Profiles – Part 5-22: Installation of fieldbuses – Installation profiles for CPF 22 (IEC 61784-5-22:2024; EN IEC 61784-5-22:2024)

HRN EN IEC 61918:2018/A2:2024 en pr  
Industrijske komunikacijske mreže – Instalacija komunikacijskih mreža u industrijskim uvjetima (IEC 61918:2018/am2:2024; EN IEC 61918:2018/A2:2024)  
Industrial communication networks – Installation of communication networks in industrial premises (IEC 61918:2018/am2:2024; EN IEC 61918:2018/A2:2024)

## **HZN/TO E108, Sigurnost elektroničke opreme u području audio, video, informacijske i komunikacijske tehnologije**

HRN EN IEC 62368-1:2024 en pr  
Oprema audio/video, informacijske i komunikacijske tehnologije – 1. dio: Zahtjevi sigurnosti (IEC 62368-1:2023; EN IEC 62368-1:2024)  
Audio/video, information and communication technology equipment – Part 1: Safety requirements (IEC 62368-1:2023; EN IEC 62368-1:2024)

HRN EN IEC 62368-1:2024/A11:2024 en pr  
Oprema audio/video, informacijske i komunikacijske tehnologije – 1. dio: Zahtjevi sigurnosti (EN IEC 62368-1:2024/A11:2024)  
Audio/video, information and communication technology equipment – Part 1: Safety requirements (EN IEC 62368-1:2024/A11:2024)

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

HRN EN 61858-1:2014/Ispr.1:2024 en pr  
Električni izolacijski sustavi – Toplinska procjena promjene uspostavljenog električnog izolacijskog sustava (EIS-a) – 1. dio: EIS žičanog namota (EN 61858-1:2014/AC:2024)  
Electrical insulation systems – Thermal evaluation of modifications to an established electrical insulation system (EIS) – Part 1: Wire-wound winding EIS (EN 61858-1:2014/AC:2024)

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

HRN EN 61000-3-12:2012/A1:2024 en pr  
Elektromagnetska kompatibilnost (EMC) – Dio 3-12: Granice – Granice za harmoničke struje koje stvara oprema priključena na javnu niskonaponsku distribucijsku mrežu za ulazne struje > 16 A i ≤ 75 A po fazi (IEC 61000-3-12:2011/am1:2021; EN 61000-3-12:2011/A1:2024)  
Electromagnetic compatibility (EMC) – Part 3-12: Limits – Limits for harmonic currents produced by equipment connected to public low-voltage systems with input current > 16 A and ≤ 75 A per phase (IEC 61000-3-12:2011/am1:2021; EN 61000-3-12:2011/A1:2024)

## **HZN/TO E501, Elektroakustika i ultrazvuk**

HRN EN IEC 60118-0:2024 en pr  
Elektroakustika – Slušna pomagala – 0. dio: Mjerenje izvedbenih značajki slušnih pomagala (IEC 60118-0:2022; EN IEC 60118-0:2024)  
Electroacoustics – Hearing aids – Part 0: Measurement of the performance characteristics of hearing aids (IEC 60118-0:2022; EN IEC 60118-0:2024)

## **HZN/TO E502, Elektrotehnički aspekti telekomunikacijske opreme**

HRN ISO/IEC 14763-3:2016/A1:2024 en pr  
Informacijska tehnologija – Izvedba i pogon kabliranja korisničkih prostora – 3. dio: Ispitivanje svjetlovodnog kabliranja (ISO/IEC 14763-3:2014/Amd 1:2018)  
Information technology – Implementation and operation of customer premises cabling – Part 3: Testing of optical fibre cabling (ISO/IEC 14763-3:2014/Amd 1:2018)

HRI ISO/IEC/TR 29106:2009/A2:2024 en pr  
Informacijska tehnologija – Generičko kabliranje – Uvod u MICE-razredbu uvjeta okoline (ISO/IEC/TR 29106:2007/Amd 2:2019)  
Information technology – Generic cabling – Introduction to the MICE environmental classification (ISO/IEC/TR 29106:2007/Amd 2:2019)

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

HRN EN 13523-1:2024 en pr  
Prevučeni metali u namotajima – Metode ispitivanja – 1. dio: Debljina sloja (EN 13523-1:2024)  
Coil coated metals – Test methods – Part 1: Film thickness (EN 13523-1:2024)

HRN EN 13523-3:2024 en pr  
Prevučeni metali u namotajima – Metode ispitivanja – 3. dio: Razlike u boji i metamerizam – Usporedba pomoću instrumenta (EN 13523-3:2024)  
Coil coated metals – Test methods – Part 3: Colour difference and metamerism – Instrumental comparison (EN 13523-3:2024)

HRN EN 13523-8:2024 en pr  
Prevučeni metali u namotajima – Metode ispitivanja – 8. dio: Otpornost na slanu maglu (EN 13523-8:2024)  
Coil coated metals – Test methods – Part 8: Resistance to salt spray (fog) (EN 13523-8:2024)

HRN EN 13523-10:2024 en pr  
Prevučeni metali u namotajima – Metode ispitivanja – 10. dio: Otpornost na fluorescentno UV zračenje i kondenzaciju vode (EN 13523-10:2024)  
Coil coated metals – Test methods – Part 10: Resistance to fluorescent UV radiation and water condensation (EN 13523-10:2024)

HRN EN 13523-12:2024 en pr  
Prevučeni metali u namotajima – Metode ispitivanja – 12. dio: Otpornost na grebanje (EN 13523-12:2024)  
Coil coated metals – Test methods – Part 12: Resistance to scratching (EN 13523-12:2024)

HRN EN 13523-21:2024 en pr  
Prevučeni metali u namotajima – Metode ispitivanja – 21. dio: Ocjena ploča izloženih vanjskim utjecajima (EN 13523-21:2024)  
Coil coated metals – Test methods – Part 21: Evaluation of outdoor exposed panels (EN 13523-21:2024)

HRN EN 13523-22:2024 en pr  
Prevučeni metali u namotajima – Metode ispitivanja – 22. dio: Razlike u boji – Vizualna usporedba (EN 13523-22:2024)  
Coil coated metals – Test methods – Part 22: Colour difference – Visual comparison (EN 13523-22:2024)

HRN EN 13523-29:2024 en pr  
Prevučeni metali u namotajima – Metode ispitivanja – 29. dio: Otpornost na nečistoću iz okoliša (Nakupljanje nečistoće i nastanak pruga) (EN 13523-29:2024)  
Coil coated metals – Test methods – Part 29: Resistance to environmental soiling (Dirt pick-up and striping) (EN 13523-29:2024)

HRN EN ISO/ASTM 52943-2:2024 en pr  
Aditivna proizvodnja za zrakoplovstvo – Karakteristike i izvedba procesa – 2. dio: Izravno taloženje materijala žicom i svjetlosnim lukom (ISO/ASTM 52943-2:2024; EN ISO/ASTM 52943-2:2024)  
Additive manufacturing for aerospace – Process characteristics and performance – Part 2: Directed energy deposition using wire and arc (ISO/ASTM 52943-2:2024; EN ISO/ASTM 52943-2:2024)

## HZNTU I2, Strojstvo 2

HRN EN ISO 3164:2013/A1:2024 en pr  
Strojevi za zemljane radove – Laboratorijsko vrednovanje zaštitnih konstrukcija – Specifikacija graničnog volumena (s)kretanja (ISO 3164:2013/Amd 1:2024; EN ISO 3164:2013/A1:2024)  
Earth-moving machinery – Laboratory evaluations of protective structures – Specifications for deflection-limiting volume (ISO 3164:2013/Amd 1:2024; EN ISO 3164:2013/A1:2024)

## HZNTU M1, Metalni materijali 1

HRN EN ISO 11427:2024 en pr  
Nakit i plemeniti metali – Određivanje srebra – Potenciometrijska metoda upotrebom kalijeva bromida (ISO 11427:2024; EN ISO 11427:2024)  
Jewellery and precious metals – Determination of silver – Potentiometry using potassium bromide (ISO 11427:2024; EN ISO 11427:2024)

## HZNTU N1, Nemetalni materijali 1

HRN EN ISO 2611-1:2024 en pr  
Analiza prirodnog plina – Sadržaj spojeva s halogenim elementima u biometanu – 1. dio: Određivanje sadržaja klorovodične i fluorovodične kiseline ionskom kromatografijom (ISO 2611-1:2024; EN ISO 2611-1:2024)  
Analysis of natural gas – Halogen content of biomethane – Part 1: HCl and HF content by ion chromatography (ISO 2611-1:2024; EN ISO 2611-1:2024)

HRN EN ISO 2615:2024 en pr  
Analiza prirodnog plina – Biometan – Određivanje sadržaja kompresorskog ulja (ISO 2615:2024; EN ISO 2615:2024)  
Analysis of natural gas – Biomethane – Determination of the content of compressor oil (ISO 2615:2024; EN ISO 2615:2024)

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

HRN EN 3774-004:2024 en pr  
Zrakoplovstvo – Automatski osigurači, trolpolni, temperaturno kompenzirani, nazivnih struja 1 A do 25 A – Dio 004: Terminali s UNC navojima – Norma za proizvod (EN 3774-004:2024)  
Aerospace series – Circuit breakers, three-pole, temperature compensated, rated currents 1 A to 25 A – Part 004: UNC thread terminals – Product standard (EN 3774-004:2024)

HRN EN 4877-001:2024 en pr  
Zrakoplovstvo – Dodatni materijali za zavarivanje – Dio 001: Tehnička specifikacija (EN 4877-001:2024)  
Aerospace series – Filler metals for welding – Part 001: Technical specification (EN 4877-001:2024)

## HZNTU V1, Elektronika 1

HRN EN IEC 60966-2-1:2024 en pr  
Sklopovi radiofrekvencijskih i koaksijalnih kabela – Dio 2-1: Sekcijska specifikacija za sklopove savitljivih koaksijalnih kabela (IEC 60966-2-1:2024; EN IEC 60966-2-1:2024)  
Radio frequency and coaxial cable assemblies – Part 2-1: Sectional specification for flexible coaxial cable assemblies (IEC 60966-2-1:2024; EN IEC 60966-2-1:2024)

HRN EN IEC 60966-2-2:2024 en pr  
Sklopovi radiofrekvencijskih i koaksijalnih kabela – Dio 2-2: Prazna tiskanica za detaljnu specifikaciju za sklopove savitljivih koaksijalnih kabela (IEC 60966-2-2:2024; EN IEC 60966-2-2:2024)  
Radio frequency and coaxial cable assemblies – Part 2-2: Blank detail specification for flexible coaxial cable assemblies (IEC 60966-2-2:2024; EN IEC 60966-2-2:2024)

HRN EN IEC 60966-4-1:2024 en pr  
Sklopovi radiofrekvencijskih i koaksijalnih kabela – Dio 4-1: Prazna tiskanica za detaljnu specifikaciju za sklopove polukrutih koaksijalnih kabela (IEC 60966-4-1:2024; EN IEC 60966-4-1:2024)  
Radio frequency and coaxial cable assemblies – Part 4-1: Blank detail specification for semi-rigid coaxial cable assemblies (IEC 60966-4-1:2024; EN IEC 60966-4-1:2024)

HRN EN IEC 60966-4:2024 en pr  
Sklopovi radiofrekvencijskih i koaksijalnih kabela – 4. dio: Sekcijska specifikacija za sklopove polukrutih koaksijalnih kabela (IEC 60966-4:2024; EN IEC 60966-4:2024)  
Radio frequency and coaxial cable assemblies – Part 4: Sectional specification for semi-rigid coaxial cable assemblies (IEC 60966-4:2024; EN IEC 60966-4:2024)

HRN EN IEC 61753-071-02:2020/A1:2024 en pr  
Svjetlovodni uređaji za međusobno spajanje i pasivne komponente – Izvedbena norma – Dio 071-02: Jednomodni svjetlovodni prostorni prekidači 1 x 2 i 2 x 2 koji nisu opremljeni konektorima za kategoriju C – Kontrolirano okruženje (IEC 61753-071-02:2020/am1:2024; EN IEC 61753-071-02:2020/A1:2024)  
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 (IEC 61753-071-02:2020/am1:2024; EN IEC 61753-071-02:2020/A1:2024)

HRN EN IEC 63203-301-1:2024 en pr  
Nosivi elektronički uređaji i tehnologije – Dio 301-1: Metoda ispitivanja za elektrokromatske premaze za nosivu opremu (IEC 63203-301-1:2024; EN IEC 63203-301-1:2024)  
Wearable electronic devices and technologies – Part 301-1: Test method of electrochromic films for wearable equipment (IEC 63203-301-1:2024; EN IEC 63203-301-1:2024)

HRN EN IEC 63203-402-3:2024 en pr  
Nosivi elektronički uređaji i tehnologije – Dio 402-3: Mjerenje performansi nosivih uređaja za tjelesnu aktivnost – Metode ispitivanja za određivanje točnosti otkucaja srca (IEC 63203-402-3:2024; EN IEC 63203-402-3:2024)  
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; EN IEC 63203-402-3:2024)

HRN EN IEC 63267-2-1:2024 en pr  
Svjetlovodni uređaji za međusobno spajanje i pasivne komponente – Optička sučelja konektora za višemodna vlakna s poboljšanim makrosavijanjem – Dio 2-1: Parametri povezivanja za vlakna s promjerom jezgre od 50 µm u fizičkom kontaktu – Bez kuta (IEC 63267-2-1:2024; EN IEC 63267-2-1:2024)  
Fibre optic interconnecting devices and passive components – Connector optical interfaces for enhanced macro bend multimode fibres – Part 2-1: Connection parameters of physically contacting 50 µm core diameter fibres – Non-angled (IEC 63267-2-1:2024; EN IEC 63267-2-1:2024)

HRN EN IEC 63267-2-2:2024 en pr  
Svjetlovodni uređaji za međusobno spajanje i pasivne komponente – Optička sučelja konektora za višemodna vlakna s poboljšanim makrosavijanjem – Dio 2-2: Parametri povezivanja za vlakna s promjerom jezgre od 50 µm u fizičkom kontaktu – Bez kuta i pod kutem za referentne primjene konektora (IEC 63267-2-2:2024; EN IEC 63267-2-2:2024)  
Fibre optic interconnecting devices and passive components – Connector optical interfaces for enhanced macro bend multimode fibres – Part 2-2: Connection parameters of physically contacting 50 µm core diameter fibres – Non-angled and angled for reference connector applications (IEC 63267-2-2:2024; EN IEC 63267-2-2:2024)



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

HRN EN IEC 60519-6:2024 en pr  
Sigurnost u instalacijama za električno grijanje i elektromagnetske procese – 6. dio: Posebni zahtjevi za visokofrekventno dielektrično i mikrovalno zagrijavanje i opremu za procesiranje (IEC 60519-6:2022; EN IEC 60519-6:2024)

Safety in installations for electroheating and electromagnetic processing – Part 6: Particular requirements for high frequency dielectric and microwave heating and processing equipment (IEC 60519-6:2022; EN IEC 60519-6:2024)

HRN EN IEC 62841-2-6:2020/A1:2024 en pr  
Ručni elektromotorni alati, prijenosni alati i mehanizacija za travnjake i vrtove – Sigurnost – Dio 2-6: Posebni zahtjevi za ručne čekiče (IEC 62841-2-6:2020/am1:2024; EN IEC 62841-2-6:2020/A1:2024)

Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 2-6: Particular requirements for hand-held hammers (IEC 62841-2-6:2020/am1:2024; EN IEC 62841-2-6:2020/A1:2024)

HRN EN IEC 62841-2-6:2020/A12:2024 en pr  
Ručni elektromotorni alati, prijenosni alati i mehanizacija za travnjake i vrtove – Sigurnost – Dio 2-6: Posebni zahtjevi za ručne čekiče (EN IEC 62841-2-6:2020/A12:2024)

Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 2-6: Particular requirements for hand-held hammers (EN IEC 62841-2-6:2020/A12:2024)

## 1.2 Nacrta hrvatskih norma

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

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

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

nHRN EN 1993-1-1:2022/NA hr izv  
Eurokod 3 – Projektiranje čeličnih konstrukcija – Dio 1-1: Opća pravila i pravila za zgrade – Nacionalni dodatak Eurocode 3 – Design of steel structures – Part 1-1: General rules and rules for buildings – National Annex

nHRN EN 1993-1-5:2024/NA hr izv  
Eurokod 3 – Projektiranje čeličnih konstrukcija – Dio 1-5: Pločasti konstrukcijski elementi – Nacionalni dodatak Eurocode 3 – Design of steel structures – Part 1-5: Plated structural elements – National Annex

nHRN EN 1996-1-1:2022/NA hr izv  
Eurokod 6 – Projektiranje zidanih konstrukcija – Dio 1-1: Opća pravila za armirane i nearmirane zidane konstrukcije – Nacionalni dodatak Eurocode 6 – Design of masonry structures – Part 1-1: General rules for reinforced and unreinforced masonry structures – National Annex

### 1.3 Prijedlozi za prihvaćanje stranih norma u izvorniku

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

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

#### HZN/TO 8, *Brodogradnja*

prEN ISO 23625 en  
Small craft – Lithium-ion batteries (ISO/DIS 23625:2024)

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

EN 13565-1:2019/prA1 en  
Fixed firefighting systems – Foam systems – Part 1: Requirements and test methods for components  
Stabilni protupožarni sustavi – Sustavi s pjenom – 1. dio: Zahtjevi i metode ispitivanja dijelova

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

prEN 1645-1 en  
Leisure accommodation vehicles – Caravans – Part 1: Habitation requirements relating to health and safety  
Vozila za odmor – Kamp-prikolice – 1. dio: Smještajni zahtjevi koji se odnose na zdravlje i sigurnost

prEN 1646-1 en  
Leisure accommodation vehicles – Motor caravans – Part 1: Habitation requirements relating to health and safety  
Vozila za odmor – Motorna vozila za kampiranje – 1. dio: Smještajni zahtjevi koji se odnose na zdravlje i sigurnost

#### HZN/TO 23, *Traktori i strojevi za poljoprivredu i šumarstvo*

prEN ISO 11680 en  
Machinery for forestry – Safety requirements and testing for portable pole mounted powered pruners (ISO/DIS 11680:2024)  
Strojevi za šumarstvo – Sigurnosni zahtjevi i ispitivanje za prijenosne motorne škare montirane na stup (ISO/DIS 11680:2024)

prEN 18068 en  
Agricultural machinery – Safety – Compact carriers  
Poljoprivredni strojevi – Sigurnost – Kompaktni nosači

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

prEN 228 en  
Automotive fuels – Unleaded petrol – Requirements and test methods

ISO 4266-1:2023 en  
Petroleum and liquid petroleum products – Measurement of level and temperature in storage tanks by automatic methods – Part 1: Measurement of level in atmospheric tanks  
Nafta i tekući naftni proizvodi – Mjerenje razine i temperature u spremnicima automatskim metodama – 1. dio: Mjerenje razine u spremnicima pod atmosferskim tlakom

ISO 4266-2:2023 en  
Petroleum and liquid petroleum products – Measurement of level and temperature in storage tanks by automatic methods – Part 2: Measurement of level in marine vessels  
Nafta i tekući naftni proizvodi – Mjerenje razine i temperature u spremnicima automatskim metodama – 2. dio: Mjerenje razine u plovilima

ISO 4266-4:2023 en  
Petroleum and liquid petroleum products – Measurement of level and temperature in storage tanks by automatic methods – Part 4: Measurement of temperature in atmospheric tanks  
Nafta i tekući naftni proizvodi – Mjerenje razine i temperature u spremnicima automatskim metodama – 4. dio: Mjerenje temperature u spremnicima pod atmosferskim tlakom

ISO 8068:2024 en  
Lubricants, industrial oils and related products (class L) – Family T (Turbines) – Specifications for lubricating oils for turbines  
Maziva, industrijska ulja i srodni proizvodi (razred L) – Podrazred T (turbine) – Specifikacija za ulja za podmazivanje turbina

ISO 8216-1:2024 en  
Products from petroleum, synthetic and renewable sources – Fuels (class F) classification – Part 1: Categories of marine fuels  
Proizvodi iz naftnih, sintetičkih i obnovljivih izvora – Razredba goriva (razred F) – 1. dio: Kategorije brodskih goriva

ISO 10976:2023 en  
Refrigerated light hydrocarbon fluids – Measurement of cargoes on board LNG carriers  
Pothlađene lake ugljikovodične tekućine – Mjerenje tereta na brodovima za UPP

ISO 11158:2023 en  
Lubricants, industrial oils and related products (class L) – Family H (hydraulic systems) – Specifications for categories HH, HL, HM, HV and HG  
Maziva, industrijska ulja i srodni proizvodi (razred L) – Podrazred H (hidraulički sustavi) – Specifikacije za kategorije HH, HL, HM, HV i HG

ISO 15380:2023 en  
Lubricants, industrial oils and related products (class L) – Family H (Hydraulic systems) – Specifications for hydraulic fluids in categories HETG, HEPG, HEES and HEPR  
Maziva, industrijska ulja i srodni proizvodi (razred L) – Podrazred H (Hidraulički sustavi) – Specifikacije za kategorije HETG, HEPG, HEES i HEPR

EN 15553:2021/prA1 en  
Petroleum products and related materials – Determination of hydrocarbon types – Fluorescent indicator adsorption method  
Naftni proizvodi i srodni materijali – Određivanje vrste ugljikovodika – Adsorpcijska metoda fluorescentnim indikatorom

prEN 15751 en  
Automotive fuels – Fatty acid methyl ester (FAME) fuel and blends with diesel fuel – Determination of oxidation stability by accelerated oxidation method at 110 °C  
Goriva za motorna vozila – Metilni esteri masne kiseline (FAME) kao gorivo i mješavine s dizelskim gorivom – Određivanje oksidacijske stabilnosti metodom ubrzane oksidacije na 110 °C

#### HZN/TO 37, *Terminologija*

ISO 639:2023 en  
Code for individual languages and language groups  
Kodovi za jezike i skupine jezika

ISO 20539:2023 en  
Translation, interpreting and related technology – Vocabulary  
Pismeno prevođenje, usmeno prevođenje i povezane tehnologije – Terminološki rječnik

ISO 24613-1:2024 en  
Language resource management – Lexical markup framework (LMF) – Part 1: Core model  
Upravljanje jezičnim resursima – Okvir leksičkog obilježavanja (LMF) – 1. dio: Osnovni model

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

prEN ISO 21952 en  
Welding consumables – Wire electrodes, wires, rods and deposits for gas shielded arc welding of creep-resisting steels – Classification (ISO/DIS 21952:2024)  
Dodatni i potrošni materijali za zavarivanje – Žičane elektrode, žice, šipke i depoziti za elektrolučno zavarivanje sa zaštitom plina za čelike otporne na puzanje – Razredba (ISO/DIS 21952:2024)

prEN ISO 26304 en  
Welding consumables – Solid wire electrodes, tubular cored electrodes and electrode-flux combinations for submerged arc welding of high strength steels – Classification (ISO/DIS 26304:2024)

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

prEN 321 en  
Wood-based panels – Determination of moisture resistance under cyclic test conditions  
Ploče na osnovi drva – Određivanje otpornosti na vlagu u uvjetima cikličkog ispitivanja

prEN 18079 en  
Wood-based panels – Determination of melamine applying extraction and high-performance chromatography (HPLC) with ultraviolet detection

### **HZN/TO 92, Zaštita od požara**

prEN 1366-14 en  
Fire resistance tests for device installations – Part 14: Partial penetration seals

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

prEN ISO 15708-2 en  
Non-destructive testing – Radiation methods for computed tomography – Part 2: Principles, equipment and samples (ISO/DIS 15708-2:2024)  
Nerazorno ispitivanje – Metode zračenja za računalnu tomografiju – 2. dio: Načela, oprema i uzorci (ISO/DIS 15708-2:2024)

prEN ISO 15708-3 en  
Non-destructive testing – Radiation methods for computed tomography – Part 3: Operation and interpretation (ISO/DIS 15708-3:2024)  
Nerazorno ispitivanje – Metode zračenja za računalnu tomografiju – 3. dio: Provedba i tumačenje (ISO/DIS 15708-3:2024)

prEN ISO 15708-4 en  
Non-destructive testing – Radiation methods for computed tomography – Part 4: Qualification (ISO/DIS 15708-4:2024)  
Nerazorno ispitivanje – Metode zračenja za računalnu tomografiju – 4. dio: Kvalifikacija (ISO/DIS 15708-4:2024)

prEN ISO 16831 en  
Non-destructive testing – Ultrasonic testing – Characterization and verification of ultrasonic equipment for the determination of thickness (ISO/DIS 16831:2024)

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

prEN ISO 16486-2 en  
Plastics piping systems for the supply of gaseous fuels – Unplasticized polyamide (PA-U) piping systems with fusion jointing and mechanical jointing – Part 2: Pipes (ISO/DIS 16486-2:2024)  
Plastični cijevni sustavi za opskrbu plinovitim gorivima – Cijevni sustavi od neomekšanog poliamida (PA-U) sa zavarivanjem i mehaničkim spajanjem – 2. dio: Cijevi (ISO/DIS 16486-2:2024)

prEN ISO 16486-3 en  
Plastics piping systems for the supply of gaseous fuels – Unplasticized polyamide (PA-U) piping systems with fusion jointing and mechanical jointing – Part 3: Fittings (ISO/DIS 16486-3:2024)  
Plastični cijevni sustavi za opskrbu plinovitim gorivima – Cijevni sustavi od neomekšanog poliamida (PA-U) sa zavarivanjem i mehaničkim spajanjem – 3. dio: Spojnice (ISO/DIS 16486-3:2024)

### **HZN/TO 147, Kvaliteta vode**

prEN ISO 10705-3 en  
Water quality – Detection and enumeration of bacteriophages – Part 3: Validation of methods for concentration of bacteriophages from water (ISO 10705-3:2003)  
Kvaliteta vode – Detekcija i brojenje bakteriofaga – 3. dio: Vrednovanje metoda koncentriranja bakteriofaga iz vode (ISO 10705-3:2003)

prEN ISO 15923-1 en  
Water quality – Determination of selected parameters by discrete analysis systems – Part 1: Ammonium, nitrate, nitrite, chloride, orthophosphate, sulfate and silicate with photometric detection (ISO 15923-1:2013)

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

prEN ISO 9241-161 en  
Ergonomics of human-system interaction – Part 161: Guidance on visual user-interface elements (ISO/DIS 9241-161:2024)  
Ergonomija interakcije čovjek-sustav – 161. dio: Smjernice za vizualne elemente korisničkog sučelja (ISO/DIS 9241-161:2024)

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

FprCEN/TS 1090-201 en  
Execution of steel structures and aluminium structures – Reuse of structural steel  
Izvedba čeličnih i aluminijskih konstrukcija – Ponovna uporaba konstrukcijskog čelika

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

ISO 8100-33:2022 en  
Lifts for the transport of persons and goods – Part 33: T-type guide rails for lift cars and counterweights

### **HZN/TO 207, Upravljanje okolišem**

EN ISO 14001:2015/prA1 en  
Environmental management systems – Requirements with guidance for use – Amendment 1: Climate action changes (ISO 14001:2015/Amd 1:2024)  
Sustavi upravljanja okolišem – Zahtjevi s uputama za uporabu – Amandman 1: Aktivnosti koje se odnose na klimatske promjene (ISO 14001:2015/Amd 1:2024)

EN ISO 14064-1:2019/prA1 en  
Greenhouse gases – Part 1: Specification with guidance at the organization level for quantification and reporting of greenhouse gas emissions and removals (ISO 14064 1:2018/DAmd 1:2024)  
Staklenički plinovi – 1. dio: Specifikacija sa smjernicama na razini organizacije za kvantificiranje i izvješćivanje o emisijama i uklanjanju stakleničkih plinova (ISO 14064 1:2018/DAmd 1:2024)

prEN 18074 en  
Industrial decarbonization – Requirements and guidelines for sectoral transition plans  
Dekarbonizacija industrije – Zahtjevi i smjernice za planiranje sektorske tranzicije

### **HZN/TO 211, Geoinformacije/Geomatika**

prEN ISO 19152-2 en  
Geographic information – Land Administration Domain Model (LADM) – Part 2: Land registration (ISO/DIS 19152-2:2024)

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

prEN ISO/IEEE 11073-10425 en  
Health informatics – Device interoperability – Part 10425: Personal Health Device Communication – Device Specialization-Continuous Glucose Monitor (CGM) (ISO/IEEE FDIS 11073-10425:2024)

prEN ISO/IEEE 11073-10471 en  
Health informatics – Device interoperability – Part 10471: Personal Health Device Communication – Device Specialization – Independent Living Activity Hub (ISO/IEEE FDIS 11073-10471:2024)

prEN ISO/IEEE 11073-10472 en  
Health informatics – Device interoperability – Part 10472: Personal Health Device Communication – Device Specialization – Medication Monitor (ISO/IEEE FDIS 11073-10472:2024)

prEN ISO 11073-10700 en  
Health informatics – Device interoperability – Part 10700: Point-of-Care Medical Device Communication – Standard for Base Requirements for Participants in a Service-Oriented Device Connectivity (SDC) System (ISO/IEEE FDIS 11073-10700:2024)

prEN ISO/IEEE 11073-10701 en  
Health informatics – Device interoperability – Part 10701: Point-of-Care Medical Device Communication – Metric Provisioning by Participants in a Service-Oriented Device Connectivity (SDC) System (ISO/IEEE FDIS 11073-10701:2024)

### **HZN/TO 221, Geosintetici**

prEN ISO 13433 en  
Geosynthetics – Determination of dynamic perforation (cone drop test) (ISO/DIS 13433:2024)

## HZN/TO 238, Čvrsta biogoriva

prEN ISO 17828 en  
Solid biofuels – Determination of bulk density (ISO/DIS 17828:2024)  
Čvrsta biogoriva – Određivanje nasipne gustoće (ISO/DIS 17828:2024)

## HZN/TO 503, Metalni materijali

prEN 10378 en  
Welded stainless steel square and rectangular tubes for mechanical, engineering and decorative use – Technical delivery conditions

prEN 14361 en  
Aluminium and aluminium alloys – Chemical analysis – Sampling from metal melts  
Aluminij i aluminijeve legure – Kemijska analiza – Uzorkovanje iz talina

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

prEN ISO 13503-2 en  
Oil and gas industries including lower carbon energy – Completion fluids and materials – Part 2: Measurement of properties of proppants used in hydraulic fracturing and gravel-packing operations (ISO/DIS 13503-2:2024)  
Industrije nafte i plina uključujući energiju s niskim udjelom ugljika – Fluidi i materijali za završno opremanje bušotina – 2. dio: Mjerenje svojstava propanata koji se koriste u operacijama hidrauličkog frakturiranja i pješčanog zasipa (ISO/DIS 13503-2:2024)

## HZN/TO 518, Podovi, stropovi i zidne obloge

prEN 13892-9 en  
Methods of test for screed materials – Part 9: Dimensional stability  
Metode ispitivanja za materijale za in situ podove (estrihe) – 9. dio: Dimenzijska stabilnost

prEN 13892-10 en  
Method of test for screed materials – Part 10: Determination of moisture content – Calcium Carbide Method

## HZN/TO 524, Inteligentni transportni sustavi

CEN/TS 15531-6:2024 en  
Public transport – Service interface for real-time information relating to public transport operations – Part 6: Functional service interfaces: Control Actions

CEN/TS 15531-7:2024 en  
Service Interface for Real Time Information (SIRI) – Part 7: Passenger Real-Time Information European Profile  
Servisno sučelje za informacije u stvarnom vremenu (SIRI) – 7. dio: Europski profil za putničke informacije u stvarnom vremenu

prEN 16072 en  
Intelligent transport systems – ESafety – Pan-European eCall operating requirements  
Inteligentni transportni sustavi – Elektronička sigurnost – Paneuropski operativni zahtjevi za hitne elektroničke pozive iz vozila

CEN/TS 16614-6:2024 en  
Public transport – Network and timetable exchange (NeTEx) – Part 6: European Passenger Information Accessibility Profile  
Javni prijevoz – Razmjena podataka o mreži i redovima vožnje (NeTEx) – 6. dio: Europski profil pristupačnosti putničkih informacija

CEN/TS 17118:2024 en  
Intelligent transport systems – Public transport – Open API for distributed journey planning  
Inteligentni transportni sustavi – Javni prijevoz – Otvoreno aplikacijsko sučelje (API) za raspodijeljene sustave planiranja putovanja

prEN 18052 en  
Intelligent transport systems – ESafety – ECall end to end conformance testing for eCall HLAP in hybrid circuit switched/packet switched network environments

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

FprCEN ISO/TS 19321 en  
Intelligent transport systems – Cooperative ITS – Dictionary of in-vehicle information (IVI) data structures (ISO/DTS 19321:2024)  
Inteligentni transportni sustavi – Kooperativni ITS – Rječnik podatkovnih struktura informacija u vozilu (IVI) (ISO/DTS 19321:2024)

## HZN/TO 526, Bitumenska veziva

prEN 15626 en  
Bitumens and bituminous binders – Determination of adhesivity of cut-back and fluxed bituminous binders by water immersion test – Aggregate method  
Bitumen i bitumenska veziva – Određivanje prionljivosti razrijeđenih i omekšanih bitumenskih veziva postupkom uranjanja u vodu – Metoda s agregatom

## HZN/TO 528, Oprema za željeznice

prEN 15827 en  
Railway applications – System Engineering requirements for bogies and running gear

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

prEN 13001-3-5 en  
Cranes – General design – Part 3-5: Limit states and proof of competence of forged and cast hooks  
Dizalice – Osnove projektiranja – Dio 3-5: Granična stanja i dokaz sigurnosti kovanih kuka

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

EN 12385-5:2021/prA1 en  
Steel wire ropes – Safety – Part 5: Stranded ropes for lifts  
Čelična užad – Sigurnost – 5. dio: Pramenasta užad za dizala

## HZN/TO 531, Plastika i guma

prEN ISO 11357-5 en  
Plastics – Differential scanning calorimetry (DSC) – Part 5: Determination of characteristic reaction-curve temperatures and times, enthalpy of reaction and degree of conversion (ISO/DIS 11357-5:2024)  
Plastika – Diferencijalna pretražna kalorimetrija – 5. dio: Određivanje temperaturne i vremenske reakcijske krivulje, topline reakcije i stupnja konverzije (ISO/DIS 11357-5:2024)

## HZN/TO 533, Kolničke konstrukcije

prEN ISO 13473-5 en  
Characterization of pavement texture by use of surface profiles – Part 5: Determination of megatexture (ISO/DIS 13473-5:2024)  
Karakterizacija teksture kolnika uporabom profila površine – 5. dio: Određivanje megateksture (ISO/DIS 13473-5:2024)

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

EN 1627:2021/prA1 en  
Pedestrian doorsets, windows, curtain walling, grilles and shutters – Burglar resistance – Requirements and classification  
Vrata za pješake, prozori, ovještene fasade, rešetke i kapci – Otpornost na provalu – Zahtjevi i razredba

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

prEN ISO 14343 en  
Welding consumables – Wire electrodes, strip electrodes, wires and rods for arc welding of stainless and heat resisting steels – Classification (ISO/DIS 14343:2024)  
Dodatni i potrošni materijali za zavarivanje – Žičane elektrode, trakaste elektrode, žice i šipke za elektrolučno zavarivanje nehrđajućih i vatrootpornih čelika – Razredba (ISO/DIS 14343:2024)

prEN ISO 14405-1 en

Geometrical product specifications (GPS) – Dimensional tolerancing – Part 1: Linear sizes (ISO/DIS 14405-1:2024)  
Geometrijske specifikacije proizvoda (GSP) – Tolerancije dimenzija – 1. dio: Duljinske izmjere (ISO/DIS 14405-1:2024)

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

prEN 14204 en

Chemical disinfectants and antiseptics – Quantitative suspension test for the evaluation of mycobactericidal activity of chemical disinfectants and antiseptics used in the veterinary area – Test method and requirements (phase 2, step 1)  
Kemijski dezinficijensi i antiseptici – Kvantitativni suspenzijski test za procjenu mikobaktericidne djelotvornosti kemijskih dezinficijensa i antiseptika koji se upotrebljavaju u veterinarstvu – Metoda ispitivanja i zahtjevi (faza 2, korak 1)

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

prEN 15316-5 en

Energy performance of buildings – Method for calculation of system energy requirements and system efficiencies – Part 5: Space heating and DHW storage systems (not cooling), Module M3-7, M8-7  
Energetska svojstva zgrada – Metoda proračuna energetske zahtjeva i učinkovitosti sustava – 5. dio: Sustavi za akumulaciju topline pri grijanju prostora i pripremi potrošne tople vode (bez hlađenja), modul M3-7, M8-7

### **HZN/TO 546, Očuvanje kulturne baštine**

prEN 16853 en

Conservation of cultural heritage – Conservation process – Decision making, planning, implementation and documentation  
Očuvanje kulturne baštine – Konzervatorski proces – Odlučivanje, planiranje i primjena

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

prEN 15978 en

Sustainability of construction works – Assessment of environmental performance of buildings – Requirements and guidance  
Održivost građevina – Ocjenjivanje svojstva zgrada s obzirom na okoliš – Proračunska metoda

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

prEN 868-2 en

Packaging for terminally sterilized medical devices – Part 2: Sterilization wrap – Requirements and test methods  
Ambalaža za završno sterilizirane medicinske proizvode – 2. dio: Sterilizacija ogrtača – Zahtjevi i metode ispitivanja

prEN 868-3 en

Packaging for terminally sterilized medical devices – Part 3: Paper for use in the manufacture of paper bags (specified in EN 868-4) and in the manufacture of pouches and reels (specified in EN 868-5) – Requirements and test methods  
Ambalaža za završno sterilizirane medicinske proizvode – 3. dio: Papir za uporabu u proizvodnji papirnatih vreća (određenih u EN 868-4) i u proizvodnji vrećica i rola (određenih u EN 868-5) – Zahtjevi i metode ispitivanja

prEN 868-4 en

Packaging for terminally sterilized medical devices – Part 4: Paper bags – Requirements and test methods  
Ambalaža za završno sterilizirane medicinske proizvode – 4. dio: Papirne vreće – Zahtjevi i metode ispitivanja

prEN 868-6 en

Packaging for terminally sterilized medical devices – Part 6: Paper for low temperature sterilization processes – Requirements and test methods  
Ambalaža za završno sterilizirane medicinske proizvode – 6. dio: Papir za niske temperature sterilizacijske postupke – Zahtjevi i metode ispitivanja

prEN 868-7 en

Packaging for terminally sterilized medical devices – Part 7: Adhesive coated paper for low temperature sterilization processes – Requirements and test methods  
Ambalaža za završno sterilizirane medicinske proizvode – 7. dio: Ljepilom premazan papir za niske temperature postupke sterilizacije – Zahtjevi i metode ispitivanja

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

prEN ISO 8559-2 en

Size designation of clothes – Part 2: Primary and secondary dimension indicators (ISO/DIS 8559-2:2024)  
Sustav označivanja veličine odjeće – 2. dio: Primarni i sekundarni pokazatelji dimenzija (ISO/DIS 8559-2:2024)

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

prEN ISO 10286 en

Gas cylinders – Vocabulary (ISO/DIS 10286:2024)  
Plinske boce – Terminološki rječnik (ISO/DIS 10286:2024)

EN 12252:2022/prA1 en

LPG equipment and accessories – Equipping of LPG road tankers  
Oprema i pribor za UNP – Opremanje spremnika za UNP za cestovna vozila

prEN 12953-1 en

Shell boilers – Part 1: General  
Dimnocijevni kotlovi – 1. dio: Općenito

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

prEN ISO 12895 en

Safety of machinery – Identification of whole body access and prevention of associated risk(s) (ISO/DIS 12895:2024)  
Sigurnost strojeva – Identifikacija pristupa cijelog tijela i sprječavanje povezanih rizika (ISO/DIS 12895:2024)

### **HZN/TO 576, Psi pomagači**

prEN 17984-2 en

Assistance dogs – Part 2: Dog lifetime welfare  
Psi pomagači – 2. dio: Cjelovitalna dobrobit pasa

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

prEN ISO/IEC 12792 en

Information technology – Artificial intelligence – Transparency taxonomy of AI systems (ISO/IEC DIS 12792:2024)  
Informacijska tehnologija – Umjetna inteligencija – Taksonomija transparentnosti sustava umjetne inteligencije (ISO/IEC DIS 12792:2024)

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

EN 50122-1:2022/prA1:2024 en

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

EN 50122-2:2022/prA1:2024 en

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

EN 50122-3:2022/prA1:2024 en

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

prEN 50317:2024 en

Railway applications – Current collection systems – Requirements for and validation of measurements of the dynamic interaction between pantograph and overhead contact line  
Željeznički sustav – Sustavi oduzimača struje – Zahtjevi za mjerenja i vrednovanje mjerenja dinamičkih međusobnih djelovanja pantografa i kontaktnog voda

## HZN/TO E17, Sklopni i upravljački uređaji

prEN IEC 62271-208:2024 en  
High-voltage switchgear and controlgear – Part 208: Methods to quantify the steady state, power-frequency electromagnetic fields generated by HV switchgear assemblies and HV/LV prefabricated substations, both for rated voltages above 1 kV and up to and including 52 kV (IEC 62271-208 ED1)

## HZN/TO E23, Električni instalacijski pribor

prEN IEC 62196-1:2024 en  
Plugs, socket-outlets, vehicle connectors and vehicle inlets – Conductive charging of electric vehicles – Part 1: General requirements (IEC 62196-1 ED5)  
Utikači, utičnice, spojevi i spojnice na vozilima – Kontaktno punjenje električnih vozila – 1. dio: Opći zahtjevi (IEC 62196-1 ED5)

prEN IEC 62196-2:2024 en  
Plugs, socket-outlets, vehicle connectors and vehicle inlets – Conductive charging of electric vehicles – Part 2: Dimensional compatibility requirements for AC pin and contact-tube accessories (IEC 62196-2 ED4)  
Utikači, utičnice, spojevi i spojnice na vozilima – Kontaktno punjenje električnih vozila – 2. dio: Zahtjevi za usklađenost dimenzija za pribor sa šiljcima i kontaktnim cjevčicama za izmjeničnu struju (IEC 62196-2 ED4)

prEN IEC 62196-3:2024 en  
Plugs, socket-outlets, vehicle connectors and vehicle inlets – Conductive charging of electric vehicles – Part 3: Dimensional compatibility requirements for DC and AC/DC pin and contact-tube vehicle couplers (IEC 62196-3 ED3)  
Utikači, utičnice i spojnice za vozila – Kontaktno punjenje električnih vozila – 3. dio: Zahtjevi za usklađenost dimenzija spojnica za vozila sa šiljcima i kontaktnim cjevčicama namijenjenih za istosmjernu i kombinirano istosmjernu i izmjeničnu struju (IEC 62196-3 ED3)

prEN IEC 63508:2024 en  
CDD database – Circuit-breakers and similar equipment for household use (IEC 63508 ED1)

## HZN/TO E31, Eksplozivne atmosfere

prEN IEC 60079-18:2024 en  
Explosive atmospheres – Part 18: Equipment protection by encapsulation "m" (IEC 60079-18 ED5)  
Eksplozivne atmosfere – 18. dio: Vrsta zaštite opreme oblaganje "m" (IEC 60079-18 ED5)

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

prEN IEC 62031:2024 en  
LED modules – Safety requirements (IEC 62031 ED3)  
Moduli svjetlećih dioda – Sigurnosni zahtjevi (IEC 62031 ED3)

prEN IEC 63554:2024 en  
LED lamps – Safety requirements (IEC 63554 ED1)

prEN IEC 63555:2024 en  
LED light sources – Performance requirements (IEC 63555 ED1)

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

EN IEC 60335-2-82:2022/prA1:2024 en  
Household and similar electrical appliances – Safety – Part 2-82: Particular requirements for amusement machines and personal service machines (IEC 60335-2-82:2017/am1:2020)  
Kućanski i slični električni aparati – Sigurnost – Dio 2-82: Posebni zahtjevi za automate za zabavu i osobne usluge (IEC 60335-2-82:2017/am1:2020)

## HZN/TO E85, Oprema za mjerenje električnih i elektromagnetskih veličina

prEN IEC 61554:2024 en  
Panel mounted equipment – Electrical measuring instruments – Dimensions for panel mounting (IEC 61554 ED2)

## HZN/TO E88, Vjetroagregati

EN IEC 61400-6:2020/prA1:2024 en  
Wind energy generation systems – Part 6: Tower and foundation design requirements (IEC 61400-6/am1 ED1)  
Sustavi za proizvodnju energije iz vjetra – 6. dio: Zahtjevi za projektiranje tornjeva i temelja (IEC 61400-6/am1 ED1)

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

prEN IEC 63563-1:2024 en  
Qi Specification version 2.0 – Part 1: Introduction (Fast track) (IEC 63563-1 ED1)

prEN IEC 63563-2:2024 en  
Qi Specification version 2.0 - Part 2: Glossary (Fast track) (IEC 63563-2 ED1)

prEN IEC 63563-3:2024 en  
Qi Specification version 2.0 – Part 3: Mechanical, thermal, and user interface (Fast track) (IEC 63563-3 ED1)

prEN IEC 63563-4:2024 en  
Qi Specification version 2.0 – Part 4: Power delivery (Fast track) (IEC 63563-4 ED1)

prEN IEC 63563-5:2024 en  
Qi Specification version 2.0 – Part 5: Communications physical layer (Fast track) (IEC 63563-5 ED1)

prEN IEC 63563-6:2024 en  
Qi Specification version 2.0 – Part 6: Communications protocol (Fast track) (IEC 63563-6 ED1)

prEN IEC 63563-7:2024 en  
Qi specification version 2.0 - Part 7: Foreign object detection (Fast track) (IEC 63563-7 ED1)

prEN IEC 63563-8:2024 en  
Qi specification version 2.0 – Part 8: Nfc tag protection (Fast track) (IEC 63563-8 ED1)

prEN IEC 63563-9:2024 en  
Qi specification version 2.0 - Part 9: Authentication protocol (Fast track) (IEC 63563-9 ED1)

prEN IEC 63563-10:2024 en  
Qi specification version 2.0 – Part 10: Mpp system specification (Fast track) (IEC 63563-10 ED1)

prEN IEC 63563-11:2024 en  
Qi specification version 2.0 – Part 11: Mpp communications protocol (Fast track) (IEC 63563-11 ED1)

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

prEN IEC 61000-4-2:2024 en  
Electromagnetic compatibility (EMC) – Part 4-2: Testing and measurement techniques – Electrostatic discharge immunity test (IEC 61000-4-2 ED3)  
Elektromagnetska kompatibilnost (EMC) – Dio 4-2: Ispitne i mjerne tehnike – Ispitivanje otpornosti na elektrostatska izbijanja (IEC 61000-4-2 ED3)

## HZN/TO T4, Normizacija u telekomunikacijama

Draft EN 319 132-1 V1.3.0:2024 en  
Electronic Signatures and Trust Infrastructures (ESI) – XAdES digital signatures – Part 1: Building blocks and XAdES baseline signatures  
Elektronički potpisi i infrastruktura povjerenja (ESI) – XAdES digitalni potpisi – 1. dio: Gradbeni blokovi i XAdES osnovni potpisi

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

prEN 1815 en  
Resilient, Modular mechanical locked floor coverings (MMF) and laminate floor coverings – Assessment of static electrical propensity  
Elastične, modularne podne obloge s mehaničkim spajanjem (MMF) i laminatne podne obloge – Procjena sklonosti prema statičkom elektricitetu

prEN ISO 21043-1 en  
Forensic sciences – Part 1: Terms and definitions (ISO/DIS 21043-1:2024)  
Forenzične znanosti – 1. dio: Nazivi i definicije (ISO/DIS 21043-1:2024)

prEN ISO 21043-3 en  
Forensic Sciences – Part 3: Analysis (ISO/DIS 21043-3:2024)  
Forenzične znanosti – 3. dio: Analiza (ISO/DIS 21043-3:2024)

prEN ISO 21043-4 en  
Science criminalistique – Part 4: Interpretation  
(ISO/DIS 21043-4:2024)  
Forenzične znanosti – 4. dio: Tumačenje (ISO/DIS 21043-4:2024)

prEN ISO 21043-5 en  
Forensic Sciences – Part 5: Reporting (ISO/DIS 21043-5:2024)  
Forenzične znanosti – 5. dio: Izvješćavanje  
(ISO/DIS 21043-5:2024)

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

prEN ISO 11908 en  
Binders for paints and varnishes – Amino resins – General  
methods of test (ISO/DIS 11908:2024)  
Veziva za boje i lakove – Aminomole – Opće metode  
ispitivanja (ISO/DIS 11908:2024)

prEN 15416-1 en  
Adhesives for load bearing timber structures other than  
phenolic and aminoplastic – Test methods – Part 1: Long-term  
tension load test perpendicular to the bond line at varying  
climate conditions with specimens perpendicular to the glue  
line (Glass house test)  
Adhezivi za nosive drvene konstrukcije koji nisu fenolni  
ili aminoplastični – Metode ispitivanja – 1. dio: Ispitivanje  
dugotrajnim vlačnim naprezanjem okomitim na spojnu liniju  
u promjenjivim klimatskim uvjetima s uzorcima okomitim na  
ravninu lijepljenja (ispitivanje u „stakleniku“)

prEN 15416-3 en  
Adhesives for load bearing timber structures other than  
phenolic and aminoplastic – Test methods – Part 3: Creep  
deformation test at cyclic climate conditions with specimens  
loaded in bending shear  
Adhezivi za nosive drvene strukture koji nisu fenolni ili  
aminoplastični – Metode ispitivanja – 3. dio: Ispitivanje  
deformacije puzanja u cikličkim klimatskim uvjetima s  
uzorcima koji se naprežu savojnim smicanjem

prEN 15416-4 en  
Adhesives for load bearing timber structures other than  
phenolic and aminoplastic – Test methods – Part 4:  
Determination of open assembly time under referenced  
conditions  
Adhezivi za nosive drvene konstrukcije koji nisu fenolni ili  
aminoplastični – Metode ispitivanja – 4. dio: Određivanje  
otvorenog vremena sklapanja pri navedenim uvjetima

prEN 15416-5 en  
Adhesives for load bearing timber structures other than  
phenolic and aminoplastic – Test methods – Part 5:  
Determination of minimum pressing time under referenced  
conditions  
Adhezivi za nosive drvene konstrukcije koji nisu fenolni ili  
aminoplastični – Metode ispitivanja – 5. dio: Određivanje  
minimalnog vremena prešanja pri navedenim uvjetima

prEN ISO 20427 en  
Pigments and extenders – Dispersion procedure for  
sedimentation-based particle sizing of suspended pigment or  
extender with liquid sedimentation methods (ISO 20427:2023)  
Pigmenti i punila – Postupak dispergiranja za određivanje  
veličine lebdećih čestica pigmenta ili punila metodama  
sedimentacije u tekućem mediju (ISO 20427:2023)

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

prEN ISO 22734-1 en  
Hydrogen generators using water electrolysis – Part 1:  
General requirements, test protocols and safety requirements  
(ISO/DIS 22734-1:2024)  
Generatori vodika koji koriste elektrolizu vode – 1. dio:  
Opći zahtjevi, protokoli ispitivanja i sigurnosni zahtjevi  
(ISO/DIS 22734-1:2024)

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

prEN ISO 8871-5 en  
Elastomeric parts for parenterals and for devices for  
pharmaceutical use – Part 5: Functional requirements and  
testing (ISO/DIS 8871-5:2024)  
Elastomerni dijelovi za parenteralne preparate i uređaje  
za farmaceutsku primjenu – 5. dio: Funkcionalni zahtjevi i  
ispitivanja (ISO/DIS 8871-5:2024)

prEN ISO 20127 en  
Dentistry – Physical properties of powered toothbrushes  
(ISO/DIS 20127:2024)  
Stomatologija – Fizikalna svojstva električnih četkica za zube  
(ISO/DIS 20127:2024)

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

prEN 2267-002 en  
Aerospace series – Cables, electrical, for general purpose  
– Operating temperatures between – 55 °C and 260 °C  
– Part 002: General  
Zrakoplovstvo – Kabeli, električni, opća namjena, s  
aluminijem ili aluminijem vodičem presvučenim  
bakrom – Radne temperature između – 55 °C i 260 °C  
– 002. dio: Općenito

prEN 2714-013 en  
Aerospace series – Cables, electrical, single and multicore  
for general purpose – Operating temperatures between  
– 55 °C and 260 °C – Part 013: DR family, screened (spiral)  
and jacketed, UV laser printable – Product standard  
Zrakoplovstvo – Kabeli, električni, jednožilni i višežilni za  
opću upotrebu – Radna temperatura između –55 °C i 260 °C  
– Dio 013: DR porodica, oklopljeni (spiralni) i obloženi, za  
ispis UV laserskim pisačem – Norma za proizvod

prEN 3475-404 en  
Aerospace series – Cables, electrical, aircraft use – Test  
methods – Part 404 : Thermal shock  
Zrakoplovstvo – Električni kabeli za upotrebu u zrakoplovstvu  
– Metode ispitivanja – 404. dio: Toplinski šok

prEN 3687 en  
Aerospace series – Bolts, normal hexagon head, relieved  
shank, long thread, in heat resisting steel FE-PA2601 (A286),  
silver plated – Classification: 1 100 MPa/650 °C  
Zrakoplovstvo – Matice, normalne šesterokutne glave, sa  
stanjenim strukom, dugog navoja, od čelika otpornog na  
toplinu FE-PA92HT (A286), prevučene srebrom – Klasifikacija:  
1100 MPa/650 °C

prEN 4855-01 en  
Aerospace series – ECO efficiency of catering equipment  
– Part 01: General conditions  
Zrakoplovstvo – Ekoučinkovitost opreme za catering  
– Dio 01: Opći uvjeti

prEN 4855-03 en  
Aerospace series – ECO efficiency of catering equipment  
– Part 03: Chilling equipment  
Zrakoplovstvo – Ekoučinkovitost opreme za catering  
– Dio 03: Hladnjaci

prEN 4855-04 en  
Aerospace series – ECO efficiency of catering equipment  
– Part 04: Beverage makers  
Zrakoplovstvo – Ekoučinkovitost opreme za catering  
– Dio 04: Oprema za pripremanje napitaka

prEN 4855-05 en  
Aerospace series – ECO efficiency of catering equipment  
– Part 05: Trash compactor

prEN 4855-06 en  
Aerospace series – ECO efficiency of catering equipment  
– Part 06: Espresso maker

prEN 9227-1 en  
Aerospace series – Programme management – Guide to  
dependability and safety control

prEN 9227-2 en  
Aerospace series – Programme management – Guide for  
reliability control

prEN 9300-003 en  
Aerospace series – LOTAR – LOnG Term Archiving and  
Retrieval of digital technical product documentation such as 3D,  
CAD and PDM data – Part 003: Fundamentals and concepts  
Zrakoplovstvo – LOTAR – Dugotrajno arhiviranje i  
pronalaženje digitalnotehničke dokumentacije za proizvod  
kao što su podaci 3D, CAD i PDM – 003. dio: Osnove i pojmovi

prEN 9300-210 en  
Aerospace series – LOTAR – LOnG Term Archiving and  
Retrieval of digital technical product documentation such as  
3D, CAD and PDM data – Part 210: Product management  
data in an "as designed" view

## HZN/TU U1, *Opća elektrotehnika 1*

- prEN IEC 60068-2-1:2024 en  
Environmental testing – Part 2-1: Tests – Test a: Cold  
(IEC 60068-2-1 ED7)  
Ispitivanje utjecaja okoliša – Dio 2-1: Ispitivanja – A ispitivanje:  
Hladnoća (IEC 60068-2-1 ED7)
- prEN IEC 60068-2-2:2024 en  
Environmental testing – Part 2-2: Tests – Test b: Dry heat  
(IEC 60068-2-2 ED6)  
Ispitivanje utjecaja okoliša – Dio 2-2: Ispitivanja – B ispitivanje:  
Suha toplina (IEC 60068-2-2 ED6)
- prEN IEC 60068-2-30:2024 en  
Environmental testing – Part 2-30: Tests – Test db: Damp  
heat, cyclic (12 h + 12 h cycle) (IEC 60068-2-30 ED4)  
Ispitivanje utjecaja okoliša – Dio 2-30: Ispitivanja – Db  
ispitivanje: Vlažnost i toplina, cikličko (12 sati +12 satni ciklus)  
(IEC 60068-2-30 ED4)
- prEN IEC 60068-2-78:2024 en  
Environmental testing – Part 2-78: Tests – Test cab: Damp  
heat, steady state (IEC 60068-2-78 ED3)  
Ispitivanje utjecaja okoliša – Dio 2-78: Ispitivanja – Cab  
ispitivanje: Toplina s vlagom, stabilno stanje (IEC 60068-2-78 ED3)
- prEN IEC 63372:2024 en  
Quantification and communication of Carbon FootPRINT and  
GHG emission reductions/avoided emissions from electric and  
electronic products and systems – Principles, methodologies,  
requirements and guidance (IEC 63372 ED1)
- prEN IEC 63395:2024 en  
Sustainable management of waste electrical and electronic  
equipment (e-waste) – Proposed horizontal publication  
(IEC 63395 ED1)

## HZN/TU V1, *Elektronika 1*

- prEN IEC 60205:2024 en  
Calculation of the effective parameters of magnetic piece  
parts (IEC 60205 ED5)  
Proračun efektivnih parametara magnetskih dijelova  
(IEC 60205 ED5)
- prEN IEC 62037-8:2024 en  
Passive RF and microwave devices, intermodulation  
level measurement – Part 8: Measurement of passive  
intermodulation generated by objects exposed to RF radiation  
(EN IEC 62037-8:2022)  
Pasivni radiofrekvencijski (RF) i mikrovalni uređaji,  
mjerjenje razine intermodulacije – 8. dio: Mjerjenje pasivne  
intermodulacije koju stvaraju objekti izloženi RF zračenju  
(EN IEC 62037-8:2022)
- prEN IEC 63378-3:2024 en  
Thermal standardization on semiconductor packages – Part 3:  
Thermal circuit simulation models of discrete semiconductor  
packages for transient analysis (IEC 63378-3 ED1)

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

- EN 50604-1:2016/prA2:2024 en  
Secondary lithium batteries for light EV (electric vehicle)  
applications – Part 1: General safety requirements and test  
methods  
Sekundarne litijeve baterije za primjenu na lakim električnim  
vozilima - 1. dio: Opći zahtjevi za sigurnost i metode ispitivanja
- prEN 50731:2024 en  
Durability – Measurement method for the assessment of the  
reliability of washing machines for household use
- prEN IEC 60436:2024 en  
Electric dishwashers for household use – Methods for  
measuring the performance (IEC 60436 ED5)  
Električne perilice posuđa za kućansku uporabu – Metode za  
mjerjenje radnih značajka (IEC 60436 ED5)
- prEN IEC 60436:2024/prAA:2024 en  
Electric dishwashers for household use – Methods for  
measuring the performance  
Električne perilice posuđa za kućansku uporabu – Metode za  
mjerjenje radnih značajka

- prEN IEC 60704-2-3:2024 en  
Household and similar electrical appliances – Test code for  
the determination of airborne acoustical noise – Part 2-3:  
Particular requirements for dishwashers (IEC 60704-2-3 ED4)  
Kućanski i slični električni aparati – Ispitne odredbe za  
određivanje uzdušne buke – Dio 2-3: Posebni zahtjevi za  
perilice posuđa (IEC 60704-2-3 ED4)
- prEN IEC 62841-2-22:2024/prAA:2024 en  
Electric motor-operated hand-held tools, transportable  
tools and lawn and garden machinery – Safety – Part 2-22:  
Particular requirements for hand-held cut-off machines  
Ručni elektromotorni alati, prijenosni alati i mehanizacija za  
travnjake i vrtove – Sigurnost – Dio 2-22: Posebni zahtjevi za  
ručne rezalice
- prEN IEC 62902:2024 en  
Secondary cells and batteries – Marking symbols for  
identification of their chemistry (IEC 62902 ED2)  
Sekundarni članci i baterije – Simboli za označavanje njihovog  
kemijskog sastava (IEC 62902 ED2)
- prEN IEC 63522-0:2024 en  
Electrical relays – Tests and Measurements – Part 0: General  
and Guidance (IEC 63522-0 ED1)
- prEN IEC 63522-33:2024 en  
Electrical relays – Tests and Measurements – Part 33:  
Continuity of protective earth connection (IEC 63522-33 ED1)
- prEN IEC 63522-34:2024 en  
Electrical relays – Testing and measurement – Part 34: Fluid  
contamination (IEC 63522-34 ED1)



## 1.4 Povučene hrvatske norme

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

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

### HZN/TO 8, *Brodogradnja*

HRN EN ISO 10240:2020 en  
Mala plovila – Korisnički priručnik  
(ISO 10240:2019; EN ISO 10240:2020)  
Small craft – Owner's manual  
(ISO 10240:2019; EN ISO 10240:2020)  
- zamijenjena s: HRN EN ISO 10240:2024

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

HRS CEN/TS 17551:2021 en  
Stabilni protupožarni sustavi – Automatski sustavi za prskanje (sprinkler sustavi) – Upute za protupotresno učvršćivanje (CEN/TS 17551:2021)  
Fixed firefighting systems – Automatic sprinkler systems – Guidance for earthquake bracing (CEN/TS 17551:2021)  
- zamijenjena s: HRN EN 12845-3:2024

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

HRN ISO 7927-1:2001 en  
Sjeme komorača, cijelo ili mljeveno (u prahu) – 1. dio: Sjeme gorkoga komorača (Foeniculum vulgare P. Miller var. vulgare) – Specifikacija (ISO 7927-1:1987)  
Fennel seed, whole or ground (powdered) – Part 1: Bitter fennel seed (Foeniculum vulgare P. Miller var. vulgare) – Specification (ISO 7927-1:1987)  
- zamijenjena s: HRN ISO 7927-1:2024

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

HRN EN ISO 3677:2016 en  
Dodatni materijal za meko lemljenje i tvrdo lemljenje – Označavanje (ISO 3677:2016; EN ISO 3677:2016)  
Filler metal for soldering and brazing – Designation (ISO 3677:2016; EN ISO 3677:2016)  
- zamijenjena s: HRN EN ISO 3677:2024

HRN EN ISO 10882-1:2012 en  
Zdravlje i sigurnost pri zavarivanju i srodnim postupcima – Uzorkovanje letećih čestica i plinova u području disanja rukovatelja – 1. dio: Uzorkovanje letećih čestica (ISO 10882-1:2011; EN ISO 10882-1:2011)  
Health and safety in welding and allied processes – Sampling of airborne particles and gases in the operator's breathing zone – Part 1: Sampling of airborne particles (ISO 10882-1:2011; EN ISO 10882-1:2011)  
- zamijenjena s: HRN EN ISO 10882-1:2024

HRN EN ISO 10882-2:2001 en  
Zdravlje i sigurnost pri zavarivanju i srodnim postupcima – Uzorkovanje letećih čestica i plinova u području udisanja radnika – 2. dio: Uzorkovanje plinova (ISO 10822-2:2000; EN ISO 10882-2:2000)  
Health and safety in welding and allied processes – Sampling of airborne particles and gases in the operator's breathing zone – Part 2: Sampling of gases (ISO 10882-2:2000; EN ISO 10882-2:2000)  
- zamijenjena s: HRN EN ISO 10882-2:2024

HRN EN ISO 17672:2016 en  
Tvrdo lemljenje – Dodatni materijali (ISO 17672:2016; EN ISO 17672:2016)  
Brazing – Filler metals (ISO 17672:2016; EN ISO 17672:2016)  
- zamijenjena s: HRN EN ISO 17672:2024

### HZN/TO 120, *Koža i obuća*

HRN EN ISO 20433:2012 en  
Koža – Ispitivanje postojanosti obojenja – Postojanost obojenja na trenje (ISO 20433:2012; EN ISO 20433:2012)  
Leather – Tests for colour fastness – Colour fastness to crocking (ISO 20433:2012; EN ISO 20433:2012)  
- zamijenjena s: HRN EN ISO 20433:2024

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

HRN 1104:2002 hr izv  
Gnojiva – Određivanje sadržaja kalija – Metoda plamene emisijske spektrometrije  
Fertilizers – Determination of potassium content – Flame emission spectrometric method  
- zamijenjena s: HRN 1104:2024

HRN ISO 7851:1998 en  
Gnojiva i poboljšivači tla – Razvrstavanje (ISO 7851:1983)  
Fertilizers and soil conditioners – Classification (ISO 7851:1983)  
- zamijenjena s: HRN ISO 7851:2024

HRN ISO 8157:2017 en  
Gnojiva i poboljšivači tla – Terminološki rječnik (ISO 8157:2015)  
Fertilizers and soil conditioners – Vocabulary (ISO 8157:2015)  
- zamijenjena s: HRN ISO 8157:2024

HRN EN 12579:2013 en  
Poboljšivači tla i supstrati – Uzorkovanje (EN 12579:2013)  
Soil improvers and growing media – Sampling (EN 12579:2013)  
- zamijenjena s: HRN EN 12579:2024

### HZN/TO 136, *Namještaj*

HRN EN 14988:2020 en  
Dječje visoke stolice – Zahtjevi i metode ispitivanja (EN 14988:2017+A1:2020)  
Children's high chairs – Requirements and test methods (EN 14988:2017+A1:2020)  
- zamijenjena s: HRN EN 14988:2024

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

HRN EN 549:2023 en  
Elastomerni materijali za brtve i membrane za plinske uređaje i plinsku opremu (EN 549:2019+A1:2023)  
Rubber materials for seals and diaphragms for gas appliances and gas equipment (EN 549:2019+A1:2023)  
- zamijenjena s: HRN EN 549:2024

### HZN/TO 147/PO 6, *Kvaliteta vode; Uzorkovanje (opće metode)*

HRN EN ISO 5667-3:2018 en  
Kvaliteta vode – Uzorkovanje – 3. dio: Čuvanje i rukovanje uzorcima vode (ISO 5667-3:2018; EN ISO 5667-3:2018)  
Water quality – Sampling – Part 3: Preservation and handling of water samples (ISO 5667-3:2018; EN ISO 5667-3:2018)  
- zamijenjena s: HRN EN ISO 5667-3:2024

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

HRN EN 1090-2:2018 en  
Izvedba čeličnih i aluminijevskih konstrukcija – 2. dio: Tehnički zahtjevi za čelične konstrukcije (EN 1090-2:2018)  
Execution of steel structures and aluminium structures – Part 2: Technical requirements for steel structures (EN 1090-2:2018)  
- zamijenjena s: HRN EN 1090-2:2024

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

HRN EN ISO 18104:2014 en  
Medicinska informatika – Kategorijske strukture za prikaz sestrinskih dijagnoza i postupaka u sustavima nazivlja (ISO 18104:2014; EN ISO 18104:2014)  
Health informatics – Categorical structures for representation of nursing diagnoses and nursing actions in terminological systems (ISO 18104:2014; EN ISO 18104:2014)  
- zamijenjena s: HRN EN ISO 18104:2024

## HZN/TO 238, Čvrsta biogoriva

HRN EN ISO 18847:2016 en  
Čvrsta biogoriva – Određivanje gustoće čestica peleta i briketa (ISO 18847:2016; EN ISO 18847:2016)  
Solid biofuels – Determination of particle density of pellets and briquettes (ISO 18847:2016; EN ISO 18847:2016)  
- zamijenjena s: HRN EN ISO 18847:2024

## HZN/TO 502, Plinski uređaji

HRN EN 30-1-2:2023 en  
Plinski uređaji za kuhanje za kućanstva – Sigurnost – Dio 1-2: Uređaji s prisilnom cirkulacijom zraka u pećnicama (EN 30-1-2:2023)  
Domestic cooking appliances burning gas – Safety – Part 1-2: Appliances having forced-convection ovens (EN 30-1-2:2023)  
- zamijenjena s: HRN EN 30-1-2:2024

## HZN/TO 503, Metalni materijali

HRN EN 10051:2010 en  
Neprekinuta, toplo valjana traka i ploča/lim izrezana iz široke trake od nelegiranih i legiranih čelika – Dopuštena odstupanja dimenzija i oblika (EN 10051:2010)  
Continuously hot-rolled strip and plate/sheet cut from wide strip of non-alloy and alloy steels – Tolerances on dimensions and shape (EN 10051:2010)  
- zamijenjena s: HRN EN 10051:2024

## HZN/TO 508, Ambalaža i pakiranje

HRN EN 27965-1:2003 en  
Ambalaža – Vreće – Ispitivanje bacanjem – 1. dio: Papirnate vreće (ISO 27965-1:1984; EN 27965-1:1992)  
Packaging – Sacks – Drop test – Part 1: Paper sacks (ISO 27965-1:1984; EN 27965-1:1992)  
- zamijenjena s: HRN EN ISO 27965-1:2024

## HZN/TO 509, Cestovna oprema

HRN EN 12368:2015 en  
Oprema za regulaciju prometa – Prometna svjetla (EN 12368:2015)  
Traffic control equipment – Signal heads (EN 12368:2015)  
- zamijenjena s: HRN EN 12368:2024

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

HRN ISO 24161:2022 en  
Skupljanje i prijevoz otpada – Terminološki rječnik (ISO 24161:2022)  
Waste collection and transportation management – Vocabulary (ISO 24161:2022)  
- zamijenjena s: HRN EN ISO 24161:2024

## HZN/TO 524, Inteligentni transportni sustavi

HRS CEN ISO/TS 17444-1:2018 en  
Elektronička naplata – Značajke naplaćivanja – 1. dio: Metrika (ISO/TS 17444-1:2017; CEN ISO/TS 17444-1:2017)  
Electronic fee collection – Charging performance – Part 1: Metrics (ISO/TS 17444-1:2017; CEN ISO/TS 17444-1:2017)  
- zamijenjena s: HRS CEN ISO/TS 37444:2024

HRS CEN ISO/TS 17444-2:2017 en  
Elektronička naplata – Značajke naplaćivanja – 2. dio: Ispitni okvir (ISO/TS 17444-2:2017; CEN ISO/TS 17444-2:2017)  
Electronic fee collection – Charging performance – Part 2: Examination framework (ISO/TS 17444-2:2017; CEN ISO/TS 17444-2:2017)  
- zamijenjena s: HRS CEN ISO/TS 37444:2024

HRS CEN ISO/TS 21719-2:2021 en  
Elektronička naplata – Personalizacija opreme u vozilu (OBE) – 2. dio: Upotreba namjenske komunikacije kratkog dosega (ISO/TS 21719-2:2018; CEN ISO/TS 21719-2:2018)  
Electronic fee collection – Personalization of on-board equipment (OBE) – Part 2: Using dedicated short-range communication (ISO/TS 21719-2:2018; CEN ISO/TS 21719-2:2018)  
- zamijenjena s: HRS CEN ISO/TS 21719-2:2024

## HZN/TO 528, Oprema za željeznice

HRN EN 14067-4:2019 en  
Željeznički sustav – Aerodinamika – 4. dio: Zahtjevi i ispitni postupci za aerodinamiku na otvorenoj pruzi (EN 14067-4:2013+A1:2018)  
Railway applications – Aerodynamics – Part 4: Requirements and test procedures for aerodynamics on open track (EN 14067-4:2013+A1:2018)  
- zamijenjena s: HRN EN 14067-4:2024

HRN EN 15328:2020 en  
Željeznički sustav – Kočenje – Kočni ulošci (EN 15328:2020)  
Railway applications – Braking – Brake pads (EN 15328:2020)  
- zamijenjena s: HRN EN 15328:2024

HRN EN 16451:2015 en  
Željeznički sustav – Kočenje – Nosač kočne papuče (EN 16451:2015)  
Railway applications – Braking – Brake pad holder (EN 16451:2015)  
- zamijenjena s: HRN EN 16451:2024

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

HRN EN 1570-1:2014 en  
Sigurnosni zahtjevi za podizne platforme – 1. dio: Podizne platforme za opsluživanje do dvije fiksne površine (EN 1570-1:2011+A1:2014)  
Safety requirements for lifting tables – Part 1: Lifting tables serving up to two fixed landings (EN 1570-1:2011+A1:2014)  
- zamijenjena s: HRN EN 1570-1:2024

## HZN/TO 531, Plastika i guma

HRN EN ISO 2398:2016 en  
Gumena crijeva za stlačeni zrak ojačana tekstilom – Specifikacija (ISO 2398:2016; EN ISO 2398:2016)  
Rubber hoses, textile-reinforced, for compressed air – Specification (ISO 2398:2016; EN ISO 2398:2016)  
- zamijenjena s: HRN EN ISO 2398:2024

HRN EN ISO 4641:2017 en  
Gumena crijeva i crijevni sklopovi za usisavanje i ispuštanje vode – Specifikacija (ISO 4641:2016; EN ISO 4641:2016)  
Rubber hoses and hose assemblies for water suction and discharge – Specification (ISO 4641:2016; EN ISO 4641:2016)  
- zamijenjena s: HRN EN ISO 4641:2024

HRN EN ISO 5771:2008 en  
Gumena crijeva i crijevni uređaji za transport bezvodnog amonijaka – Specifikacija (ISO 5771:2008; EN ISO 5771:2008)  
Rubber hose and hose assemblies for transferring anhydrous ammonia – Specification (ISO 5771:2008; EN ISO 5771:2008)  
- zamijenjena s: HRN EN ISO 5771:2024

HRN EN ISO 6224:2011 en  
Plastomerna crijeva opće namjene za vodu ojačana tekstilom – Specifikacija (ISO 6224:2011; EN ISO 6224:2011)  
Thermoplastics hoses, textile-reinforced, for general-purpose water applications – Specification (ISO 6224:2011; EN ISO 6224:2011)  
- zamijenjena s: HRN EN ISO 6224:2024

HRN EN 15348:2014 en  
Plastika – Reciklirana plastika – Karakterizacija poli(etilentereftalatih) (PET) reciklata (EN 15348:2014)  
Plastics – Recycled plastics – Characterisation of poly(ethylene terephthalate) (PET) recyclates (EN 15348:2014)  
- zamijenjena s: HRN EN 15348:2024

## HZN/TO 534, Spremnici za teret

HRN EN 12972:2018 en  
Spremnici za prijevoz opasnih tvari – Ispitivanje, inspekcija i označavanje metalnih spremnika (EN 12972:2018)  
Tanks for transport of dangerous goods – Testing, inspection and marking of metallic tanks (EN 12972:2018)  
- zamijenjena s: HRN EN 12972:2024

## HZN/TO 549, Svjetlo i rasvjeta

HRN EN 12665:2018 en  
Svjetlo i rasvjeta – Osnovni nazivi i kriteriji za specificiranje zahtjeva rasvjete (EN 12665:2018)  
Light and lighting – Basic terms and criteria for specifying lighting requirements (EN 12665:2018)  
- zamijenjena s: HRN EN 12665:2024

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

HRN EN 12255-8:2002 en  
Uređaji za pročišćivanje otpadnih voda – 8. dio: Obrada i odlaganje mulja (EN 12255-8:2001)  
Wastewater treatment plants – Part 8: Sludge treatment and storage (EN 12255-8:2001)  
- zamijenjena s: HRN EN 12255-8:2024

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

HRN EN ISO 14456:2016 en  
Plinske boce – Svojstva plina i pridružene razredbene (FTSC) oznake (ISO 14456:2015; EN ISO 14456:2016)  
Gas cylinders – Gas properties and associated classification (FTSC) codes (ISO 14456:2015; EN ISO 14456:2016)  
- zamijenjena s: HRN EN ISO 14456:2024

HRN EN ISO 14456:2016/A1:2019 en  
Plinske boce – Svojstva plina i pridružene razredbene (FTSC) oznake (ISO 14456:2015/Amd 1:2019; EN ISO 14456:2016/A1:2019)  
Gas cylinders – Gas properties and associated classification (FTSC) codes (ISO 14456:2015/Amd 1:2019; EN ISO 14456:2016/A1:2019)  
- zamijenjena s: HRN EN ISO 14456:2024

## **HZN/TO 569, Hrana za životinje**

HRN EN ISO 30024:2011 en  
Hrana za životinje – Određivanje aktivnosti fitaze (ISO 30024:2009; EN ISO 30024:2009)  
Animal feeding stuffs – Determination of phytase activity (ISO 30024:2009; EN ISO 30024:2009)  
- zamijenjena s: HRN EN ISO 30024:2024

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

HRN EN ISO 23611-2:2011 en  
Kvaliteta tla – Uzorkovanje beskraljčnjaka u tlu – 2. dio: Uzorkovanje i izdvajanje mikročlankonožaca (Collembola i Acarina) (ISO 23611-2:2006; EN ISO 23611-2:2011)  
Soil quality – Sampling of soil invertebrates – Part 2: Sampling and extraction of micro-arthropods (Collembola and Acarina) (ISO 23611-2:2006; EN ISO 23611-2:2011)  
- zamijenjena s: HRN EN ISO 23611-2:2024

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

HRN EN ISO/IEC 15408-1:2020 en  
Informacijska tehnologija – Sigurnosne tehnike – Kriteriji za vrednovanje sigurnosti IT-a – 1. dio: Uvod i opći model (ISO/IEC 15408-1:2009; EN ISO/IEC 15408-1:2020)  
Information technology – Security techniques – Evaluation criteria for IT security – Part 1: Introduction and general model (ISO/IEC 15408-1:2009; EN ISO/IEC 15408-1:2020)  
- zamijenjena s: HRN EN ISO/IEC 15408-1:2024

HRN EN ISO/IEC 15408-2:2020 en  
Informacijska tehnologija – Sigurnosne tehnike – Kriteriji za vrednovanje sigurnosti IT-a – 2. dio: Funkcionalni zahtjevi za sigurnost (ISO/IEC 15408-2:2008; EN ISO/IEC 15408-2:2020)  
Information technology – Security techniques – Evaluation criteria for IT security – Part 2: Security functional components (ISO/IEC 15408-2:2008; EN ISO/IEC 15408-2:2020)  
- zamijenjena s: HRN EN ISO/IEC 15408-2:2024

HRN EN ISO/IEC 15408-3:2020 en  
Informacijska tehnologija – Sigurnosne tehnike – Kriteriji za vrednovanje sigurnosti IT-a – 3. dio: Jamstveni zahtjevi za sigurnost (ISO/IEC 15408-3:2008; EN ISO/IEC 15408-3:2020)  
Information technology – Security techniques – Evaluation criteria for IT security – Part 3: Security assurance components (ISO/IEC 15408-3:2008; EN ISO/IEC 15408-3:2020)  
- zamijenjena s: HRN EN ISO/IEC 15408-3:2024

HRN EN ISO/IEC 27006:2020 en  
Informacijska tehnologija – Sigurnosne tehnike – Zahtjevi za tijela koja provode audit i certifikaciju sustava upravljanja informacijskom sigurnošću (ISO/IEC 27006:2015, uključujući Amd 1:2020; EN ISO/IEC 27006:2020)  
Information technology – Security techniques – Requirements for bodies providing audit and certification of information security management systems (ISO/IEC 27006:2015, including Amd 1:2020; EN ISO/IEC 27006:2020)  
- zamijenjena s: HRN EN ISO/IEC 27006-1:2024

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

HRS CLC/TS 60034-25:2012 en  
Rotacijski električni strojevi – 25. dio – Vodič za konstrukciju i izvedbu izmjeničnih motora posebno konstruiranih CLC/TS 60034-25:2008)  
Rotating electrical machines – Part 25: Guidance for the design and performance of a.c. motors specifically designed for converter supply (IEC/TS 60034-25:2007; CLC/TS 60034-25:2008)  
- bez zamjene

## **HZN/TO E8, Sustavski vidovi opskrbe električnom energijom**

HRI IEC/TR 62510:2008 en  
Normizacija karakteristika električne energije (IEC/TR 62510:2008)  
Standardising the characteristics of electricity (IEC/TR 62510:2008)  
- bez zamjene

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

HRN EN 62052-11:2008 en  
Električna brojila za izmjeničnu struju – Opći zahtjevi, ispitivanja i ispitni uvjeti – 11. dio: Mjerna oprema (IEC 62052-11:2003; EN 62052-11:2003)  
Electricity metering equipment (AC) – General requirements, tests and test conditions – Part 11: Metering equipment (IEC 62052-11:2003; EN 62052-11:2003)  
- zamijenjena s: HRN EN IEC 62052-11:2021

HRN EN 62052-11:2008/A1:2017 en  
Električna brojila za izmjeničnu struju – Opći zahtjevi, ispitivanja i ispitni uvjeti – 11. dio: Mjerna oprema (IEC 62052-11:2003/am1:2016; EN 62052-11:2003/A1:2017)  
Electricity metering equipment (AC) – General requirements, tests and test conditions – Part 11: Metering equipment (IEC 62052-11:2003/am1:2016; EN 62052-11:2003/A1:2017)  
- zamijenjena s: HRN EN IEC 62052-11:2021

HRN EN 62053-21:2008 en  
Električna brojila za izmjeničnu struju – Posebni zahtjevi – 21. dio: Statička brojila djelatne energije (razreda 1 i 2) (IEC 62053-21:2003; EN 62053-21:2003)  
Electricity metering equipment (a.c.) – Particular requirements – Part 21: Static meters for active energy (classes 1 and 2) (IEC 62053-21:2003; EN 62053-21:2003)  
- zamijenjena s: HRN EN IEC 62053-21:2021

HRN EN 62053-21:2008/A1:2017 en  
Električna brojila za izmjeničnu struju – Posebni zahtjevi – 21. dio: Statička brojila djelatne energije (razreda 1 i 2) (IEC 62053-21:2003/am1:2016; EN 62053-21:2003/A1:2017)  
Electricity metering equipment (a.c.) – Particular requirements – Part 21: Static meters for active energy (classes 1 and 2) (IEC 62053-21:2003/am1:2016; EN 62053-21:2003/A1:2017)  
- zamijenjena s: HRN EN IEC 62053-21:2021

HRN EN 62053-22:2008 en  
Električna brojila za izmjeničnu struju – Posebni zahtjevi – 22. dio: Statička brojila djelatne energije (razreda 0,2 S i 0,5 S) (IEC 62053-22:2003; EN 62053-22:2003)  
Electricity metering equipment (a.c.) – Particular requirements – Part 22: Static meters for active energy (classes 0,2 S and 0,5 S) (IEC 62053-22:2003; EN 62053-22:2003)  
- zamijenjena s: HRN EN IEC 62053-22:2021

HRN EN 62053-22:2008/A1:2017 en  
Električna brojila za izmjeničnu struju – Posebni zahtjevi – 22. dio: Statička brojila djelatne energije (razreda 0,2 S i 0,5 S) (IEC 62053-22:2003/am1:2016; EN 62053-22:2003/A1:2017)  
Electricity metering equipment (a.c.) – Particular requirements – Part 22: Static meters for active energy (classes 0,2 S and 0,5 S) (IEC 62053-22:2003/am1:2016; EN 62053-22:2003/A1:2017)  
- zamijenjena s: HRN EN IEC 62053-22:2021

HRN EN 62053-23:2008 en

Električna brojila za izmjeničnu struju – Posebni zahtjevi  
– 23. dio: Statička brojila jalove energije (razreda 2 i 3)  
(IEC 62053-23:2003; EN 62053-23:2003)  
Electricity metering equipment (a.c.) – Particular requirements  
– Part 23: Static meters for reactive energy (classes 2 and 3)  
(IEC 62053-23:2003; EN 62053-23:2003)  
- zamijenjena s: HRN EN IEC 62053-23:2021

HRN EN 62053-23:2008/A1:2017 en

Električna brojila za izmjeničnu struju – Posebni zahtjevi  
– 23. dio: Statička brojila jalove energije (razreda 2 i 3)  
(IEC 62053-23:2003/am1:2016; EN 62053-23:2003/A1:2017)  
Electricity metering equipment (a.c.) – Particular requirements  
– Part 23: Static meters for reactive energy (classes 2 and 3)  
(IEC 62053-23:2003/am1:2016; EN 62053-23:2003/A1:2017)  
- zamijenjena s: HRN EN IEC 62053-23:2021

HRN EN 62053-24:2015 en

Električna brojila za izmjeničnu struju – Posebni zahtjevi  
– 24. dio: Statička brojila jalove energije osnovne frekvencije (razreda 0,5 S, 1S i 1) (IEC 62053-24:2014; EN 62053-24:2015)  
Electricity metering equipment (a.c.) – Particular requirements  
– Part 24: Static meters for reactive energy at fundamental frequency (classes 0,5 S, 1S and 1) (IEC 62053-24:2014; EN 62053-24:2015)  
- zamijenjena s: HRN EN IEC 62053-24:2021

HRN EN 62053-24:2015/A1:2017 en

Električna brojila za izmjeničnu struju – Posebni zahtjevi  
– 24. dio: Statička brojila jalove energije osnovne frekvencije (razreda 0,5 S, 1S i 1) (IEC 62053-24:2014/am1:2016; EN 62053-24:2015/A1:2017)  
Electricity metering equipment (a.c.) – Particular requirements  
– Part 24: Static meters for reactive energy at fundamental frequency (classes 0,5 S; 1 S and 1) (IEC 62053-24:2014/am1:2016; EN 62053-24:2015/A1:2017)  
- zamijenjena s: HRN EN IEC 62053-24:2021

## HZN/TO E31, Eksplozivne atmosfere

HRN EN 14986:2017 en

Konstrukcija ventilatora za potencijalno eksplozivne atmosfere  
(EN 14986:2017)  
Design of fans working in potentially explosive atmospheres  
(EN 14986:2017)  
- zamijenjena s: HRN EN 14986:2024

## HZN/TO E36, Izolatori

HRN EN 50336:2008 en

Provodni izolatori za transformatore i kabelaške kutije za prigušnice koji ne premašuju 36 kV (EN 50336:2002)  
Bushings for transformers and reactor cable boxes not exceeding 36 kV (EN 50336:2002)  
- zamijenjena s: HRN EN 50336:2021

HRN EN 60305:2008 en

Izolatori za nadzemne vodove nazivnog napona iznad 1 kV  
– Keramički ili stakleni izolatorski članci za izmjenične sustave – Karakteristike izolatorskih članaka kapastog tipa (IEC 60305:1995; EN 60305:1996)  
Insulators for overhead lines with a nominal voltage above 1 kV – Ceramic or glass insulator units for a.c. systems – Characteristics of insulator units of the cap and pin type (IEC 60305:1995; EN 60305:1996)  
- zamijenjena s: HRN EN IEC 60305:2021

HRN EN 60433:2008 en

Izolatori za nadzemne vodove nazivnog napona iznad 1 kV  
– Keramički izolatori za izmjenične sustave – Karakteristike izolatorskih članaka štapnog tipa (IEC 60433:1998; EN 60433:1998)  
Insulators for overhead lines with a nominal voltage above 1 kV – Ceramic insulators for a.c. systems – Characteristics of insulator units of the long rod type (IEC 60433:1998; EN 60433:1998)  
- zamijenjena s: HRN EN IEC 60433:2021

## HZN/TO E45, Nuklearna instrumentacija

HRN EN 62244:2013 en

Instrumentacija u zaštiti od zračenja – Ugrađeni monitori zračenja za detekciju radioaktivnih i specijalnih nuklearnih materijala na nacionalnim granicama (IEC 62244:2006, MOD; EN 62244:2011)  
Radiation protection instrumentation – Installed radiation monitors for the detection of radioactive and special nuclear materials at national borders (IEC 62244:2006, MOD; EN 62244:2011)  
- zamijenjena s: HRN EN IEC 62244:2021

## HZN/TO E55, Žice za namote

HRN EN 60172:2015 en

Ispitni postupak određivanja indeksa temperaturne lakirane i omotane trakama žice za namote (IEC 60172:2015; EN 60172:2015)  
Test procedure for the determination of the temperature index of enamelled and tape wrapped winding wires (IEC 60172:2015; EN 60172:2015)  
- zamijenjena s: HRN EN IEC 60172:2021

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

HRN EN 60336:2008 en

Medicinski električni uređaji – Elementi medicinskih dijagnostičkih cijevi za X-zračenje – Značajke žarišta (IEC 60336:2005+Corr. 1:2006; EN 60336:2005)  
Medical electrical equipment – X-ray tube assemblies for medical diagnosis – Characteristics of focal spots (IEC 60336:2005+Corr. 1:2006; EN 60336:2005)  
- zamijenjena s: HRN EN IEC 60336:2021

HRN EN 60522:2000 en

Određivanje veličine trajne filtracije sklopova rendgenskih cijevi (IEC 60522:1999; EN 60522:1999)  
Determination of the permanent filtration of X-ray tube assemblies (IEC 60522:1999; EN 60522:1999)  
- zamijenjena s: HRN EN IEC 60522-1:2021

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

HRN EN 60584-3:2008 en

Termoparovi – 3. dio: Produženje i kompenzacijski kabeli – Tolerancija i identifikacijski sustav (IEC 60584-3:2007; EN 60584-3:2008)  
Thermocouples – Part 3: Extension and compensating cables – Tolerances and identification system (IEC 60584-3:2007; EN 60584-3:2008)  
- zamijenjena s: HRN EN IEC 60584-3:2021

HRN EN IEC 61784-2-18:2023 en

Industrijske mreže – Profili – Dio 2-18: Dodatni profili industrijske sabirnice u stvarnom vremenu temeljeni na normi ISO/IEC/IEEE 8802-3 – CPF 18 (IEC 61784-2-18:2023; EN IEC 61784-2-18:2023)  
Industrial networks – Profiles – Part 2-18: Additional real-time fieldbus profiles based on ISO/IEC/IEEE 8802-3 – CPF 18 (IEC 61784-2-18:2023; EN IEC 61784-2-18:2023)  
- bez zamjene

HRN EN 61784-3:2016 en

Industrijske komunikacijske mreže – Profili – 3. dio: Industrijske sabirnice (fieldbus) za funkcijsku sigurnost – Opća pravila i definicije profila (IEC 61784-3:2016; EN 61784-3:2016)  
Industrial communication networks – Profiles – Part 3: Functional safety fieldbuses – General rules and profile definitions (IEC 61784-3:2016; EN 61784-3:2016)  
- zamijenjena s: HRN EN IEC 61784-3:2021

HRN EN 61784-3:2016/A1:2018 en

Industrijske komunikacijske mreže – Profili – 3. dio: Industrijske sabirnice (fieldbus) za funkcijsku sigurnost – Opća pravila i definicije profila (IEC 61784-3:2016/am1:2017; EN 61784-3:2016/A1:2017)  
Industrial communication networks – Profiles – Part 3: Functional safety fieldbuses – General rules and profile definitions (IEC 61784-3:2016/am1:2017; EN 61784-3:2016/A1:2017)  
- zamijenjena s: HRN EN IEC 61784-3:2021

HRN EN 62769-1:2015 en  
Integracija uređaja u postrojenju (FDI) – 1. dio: Pregled  
(IEC 62769-1:2015; EN 62769-1:2015)  
Field device integration (FDI) – Part 1: Overview  
(IEC 62769-1:2015; EN 62769-1:2015)  
- zamijenjena s: HRN EN IEC 62769-1:2021

HRN EN 62769-2:2015 en  
Integracija uređaja u postrojenju (FDI) – 2. dio: FDI klijent  
(IEC 62769-2:2015; EN 62769-2:2015)  
Field Device Integration (FDI) – Part 2: FDI Client  
(IEC 62769-2:2015; EN 62769-2:2015)  
- zamijenjena s: HRN EN IEC 62769-2:2021

HRN EN 62769-3:2015 en  
Uređaji i integracija u poslovne sustave – Integracija uređaja u postrojenju (FDI) – 3. dio: FDI poslužitelj (IEC 62769-3:2015; EN 62769-3:2015)  
Devices and integration in enterprise systems – Field Device Integration – Part 3: FDI Server (IEC 62769-3:2015; EN 62769-3:2015)  
- zamijenjena s: HRN EN IEC 62769-3:2021

HRN EN 62769-4:2015 en  
Integracija uređaja u postrojenju (FDI) – 4. dio: FDI paketi  
(IEC 62769-4:2015; EN 62769-4:2015)  
Field Device Integration (FDI) – Part 4: FDI Packages  
(IEC 62769-4:2015; EN 62769-4:2015)  
- zamijenjena s: HRN EN IEC 62769-4:2021

HRN EN 62769-5:2015 en  
Integracija uređaja u postrojenju (FDI) – 5. dio: FDI informacijski model (IEC 62769-5:2015; EN 62769-5:2015)  
Field Device Integration (FDI) – Part 5: FDI Information Model  
(IEC 62769-5:2015; EN 62769-5:2015)  
- zamijenjena s: HRN EN IEC 62769-5:2021

HRN EN 62769-6:2015 en  
Integracija uređaja u postrojenju (FDI) – 6. dio: Tehnološko preslikavanje (IEC 62769-6:2015; EN 62769-6:2015)  
Field Device Integration (FDI) – Part 6: FDI Technology Mapping (IEC 62769-6:2015; EN 62769-6:2015)  
- zamijenjena s: HRN EN IEC 62769-6:2021

HRN EN 62769-7:2015 en  
Integracija uređaja u postrojenju (FDI) – 7. dio: Komunikacijski uređaji (IEC 62769-7:2015; EN 62769-7:2015)  
Field Device Integration (FDI) – Part 7: FDI Communication Devices (IEC 62769-7:2015; EN 62769-7:2015)  
- zamijenjena s: HRN EN IEC 62769-7:2021

### **HZN/TO E76, Sigurnost optičkoga zračenja i laserska oprema**

HRN EN 60601-2-22:2013 hr-en  
Medicinska električna oprema – Dio 2-22: Posebni zahtjevi za temeljnu sigurnost i nužne značajke kirurške, kozmetičke, terapijske i dijagnostičke laserske opreme (IEC 60601-2-22:2007+am1:2012; EN 60601-2-22:2013)  
Medical electrical equipment – Part 2-22: Particular requirements for basic safety and essential performance of surgical, cosmetic, therapeutic and diagnostic laser equipment (IEC 60601-2-22:2007+am1:2012; EN 60601-2-22:2013)  
- zamijenjena s: HRN EN IEC 60601-2-22:2020

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

HRN EN 61924-2:2013 en  
Pomorska navigacijska i radiokomunikacijska oprema i sustavi – Integrirani navigacijski sustavi (INS) – 2. dio: Modularno ustrojstvo INS-a – Radni i izvedbeni zahtjevi, metode ispitivanja i zahtijevani rezultati ispitivanja (IEC 61924-2:2012; EN 61924-2:2013)  
Maritime navigation and radiocommunication equipment and systems – Integrated navigation systems (INS) – Part 2: Modular structure for INS – Operational and performance requirements, methods of testing and required test results (IEC 61924-2:2012; EN 61924-2:2013)  
- zamijenjena s: HRN EN IEC 61924-2:2021

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

HRN EN IEC 62680-1-3:2018 en  
Sučelja univerzalne serijske sabirnice za podatke i napajanje – Dio 1-3: Opći dijelovi – Specifikacija kabela i konektora za USB tipa CTM (IEC 62680-1-3:2018; EN IEC 62680-1-3:2018)  
Universal serial bus interfaces for data and power – Part 1-3: Common components – USB Type-CTM Cable and Connector Specification (IEC 62680-1-3:2018; EN IEC 62680-1-3:2018)  
- zamijenjena s: HRN EN IEC 62680-1-3:2021

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

HRN EN 50554:2012 en  
Osnovna norma za in-situ procjenu lokacije radiodifuzijskih odašiljača s obzirom na izloženost opće populacije radiofrekvencijskim elektromagnetskim poljima (EN 50554:2010)  
Basic standard for the in-situ assessment of a broadcast site related to general public exposure to radio frequency electromagnetic fields (EN 50554:2010)  
- zamijenjena s: HRN EN 50554:2021

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

HRN EN 60112:2005 en  
Metode za određivanje ispitnog i komparativnog indeksa kliznih struja krutih izolacijskih materijala (IEC 60112:2003; EN 60112:2003)  
Method for determining of the proof and the comparative tracking indices of solid insulating materials (IEC 60112:2003; EN 60112:2003)  
- zamijenjena s: HRN EN IEC 60112:2020

HRN EN 60112:2005/A1:2013 en  
Metode za određivanje ispitnog i komparativnog indeksa kliznih struja krutih izolacijskih materijala (IEC 60112:2003/am1:2009; EN 60112:2003/A1:2009)  
Method for the determination of the proof and the comparative tracking indices of solid insulating materials (IEC 60112:2003/am1:2009; EN 60112:2003/A1:2009)  
- zamijenjena s: HRN EN IEC 60112:2020

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

HRN EN 61000-6-3:2008 en  
Elektromagnetska kompatibilnost (EMC) – Dio 6-3: Norme srodnih područja – Norma emisije za stambena, poslovna i lakoindustrijska područja (IEC 61000-6-3:2006; EN 61000-6-3:2007)  
Electromagnetic compatibility (EMC) – Part 6-3: Generic standards – Emission standard for residential, commercial and light-industrial environments (IEC 61000-6-3:2006; EN 61000-6-3:2007)  
- zamijenjena s: HRN EN IEC 61000-6-3:2021

HRN EN 61000-6-3:2008/A1:2011 en  
Elektromagnetska kompatibilnost (EMC) – Dio 6-3: Norme srodnih područja – Norma emisije za stambenu, poslovnu i lakoindustrijsku okolinu (IEC 61000-6-3:2006/am1:2010; EN 61000-6-3:2007/A1:2011)  
Electromagnetic compatibility (EMC) – Part 6-3: Generic standards – Emission standard for residential, commercial and light-industrial environments (IEC 61000-6-3:2006/am1:2010; EN 61000-6-3:2007/A1:2011)  
- zamijenjena s: HRN EN IEC 61000-6-3:2021

HRN EN 61000-6-3:2008/A1:2011/lsp.1:2014 en  
Elektromagnetska kompatibilnost (EMC) – Dio 6-3: Norme srodnih područja – Norma emisije za stambenu, poslovnu i lakoindustrijsku okolinu (EN 61000-6-3:2007/A1:2011/AC:2012)  
Electromagnetic compatibility (EMC) – Part 6-3: Generic standards – Emission standard for residential, commercial and light-industrial environments (EN 61000-6-3:2007/A1:2011/AC:2012)  
- zamijenjena s: HRN EN IEC 61000-6-3:2021

## **HZN/TO E501, Elektroakustika i ultrazvuk**

HRN EN 61828:2002 en  
Ultrazvuk – Fokusrirajući pretvarači – definicije i metode mjerenja stvorenog polja (IEC 61828:2001; EN 61828:2001)  
Ultrasonics – Focusing transducers – Definitions and measurement methods for the transmitted fields (IEC 61828:2001; EN 61828:2001)  
- zamijenjena s: HRN EN IEC 61828:2021

## **HZN/TO E502, Elektrotehnički aspekti telekomunikacijske opreme**

HRN EN 50600-2-1:2014 en  
Informacijska tehnologija – Sredstva i infrastrukture podatkovnih centara – Dio 2-1: Konstrukcija zgrade (EN 50600-2-1:2014)  
Information technology – Data centre facilities and infrastructures – Part 2-1: Building construction (EN 50600-2-1:2014)  
- zamijenjena s: HRN EN 50600-2-1:2021

HRN EN 50600-2-5:2016 en  
Informacijska tehnologija – Sredstva i infrastrukture podatkovnih centara – Dio 2-5: Sigurnosni sustavi (EN 50600-2-5:2016)  
Information technology – Data centre facilities and infrastructures – Part 2-5: Security systems (EN 50600-2-5:2016)  
- zamijenjena s: HRN EN 50600-2-5:2021

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

HRN EN 13523-1:2017 en  
Prevučeni metali u namotajima – Metode ispitivanja – 1. dio: Debljina sloja (EN 13523-1:2017)  
Coil coated metals – Test methods – Part 1: Film thickness (EN 13523-1:2017)  
- zamijenjena s: HRN EN 13523-1:2024

HRN EN 13523-3:2021 en  
Prevučeni metali u namotajima – Metode ispitivanja – 3. dio: Razlike u boji i metamerizam – Usporedba pomoću instrumenta (EN 13523-3:2021)  
Coil coated metals – Test methods – Part 3: Colour difference and metamerism – Instrumental comparison (EN 13523-3:2021)  
- zamijenjena s: HRN EN 13523-3:2024

HRN EN 13523-8:2017 en  
Prevučeni metali u namotajima – Metode ispitivanja – 8. dio: Otpornost na slanu maglu (EN 13523-8:2017)  
Coil coated metals – Test methods – Part 8: Resistance to salt spray (fog) (EN 13523-8:2017)  
- zamijenjena s: HRN EN 13523-8:2024

HRN EN 13523-10:2017 en  
Prevučeni metali u namotajima – Metode ispitivanja – 10. dio: Otpornost na fluorescentno UV zračenje i kondenzaciju vode (EN 13523-10:2017)  
Coil coated metals – Test methods – Part 10: Resistance to fluorescent UV radiation and water condensation (EN 13523-10:2017)  
- zamijenjena s: HRN EN 13523-10:2024

HRN EN 13523-12:2017 en  
Prevučeni metali u namotajima – Metode ispitivanja – 12. dio: Otpornost na grebanje (EN 13523-12:2017)  
Coil coated metals – Test methods – Part 12: Resistance to scratching (EN 13523-12:2017)  
- zamijenjena s: HRN EN 13523-12:2024

HRN EN 13523-21:2017 en  
Prevučeni metali u namotajima – Metode ispitivanja – 21. dio: Ocjena ploča izloženih vanjskim utjecajima (EN 13523-21:2017)  
Coil coated metals – Test methods – Part 21: Evaluation of outdoor exposed panels (EN 13523-21:2017)  
- zamijenjena s: HRN EN 13523-21:2024

HRN EN 13523-22:2017 en  
Prevučeni metali u namotajima – Metode ispitivanja – 22. dio: Razlike u boji – Vizualna usporedba (EN 13523-22:2017)  
Coil coated metals – Test methods – Part 22: Colour difference – Visual comparison (EN 13523-22:2017)  
- zamijenjena s: HRN EN 13523-22:2024

HRN EN 13523-29:2017 en  
Prevučeni metali u namotajima – Metode ispitivanja – 29. dio: Otpornost na nečistoću iz okoliša (Nakupljanje nečistoće i nastanak pruga) (EN 13523-29:2017)  
Coil coated metals – Test methods – Part 29: Resistance to environmental soiling (Dirt pick-up and striping) (EN 13523-29:2017)  
- zamijenjena s: HRN EN 13523-29:2024

## **HZN/TU M1, Metalni materijali 1**

HRN EN ISO 11427:2016 en  
Nakit – Određivanje srebra u legurama srebra za nakit – Volumetrijska (potenciometrijska) metoda upotrebom kalijeva bromida (ISO 11427:2014; EN ISO 11427:2016)  
Jewellery – Determination of silver in silver jewellery alloys – Volumetric (potentiometric) method using potassium bromide (ISO 11427:2014; EN ISO 11427:2016)  
- zamijenjena s: HRN EN ISO 11427:2024

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

HRN EN 3774-004:2014 en  
Nizovi o zrakoplovstvu – Automatski osigurači, tropolni, temperaturno kompenzirani, nazivnih struja 1 A do 25 A – 004. dio: Terminali s UNC navojima – Norma za proizvod (EN 3774-004:2014)  
Aerospace series – Circuit breakers, three-pole, temperature compensated, rated currents 1 A to 25 A – Part 004: UNC thread terminals – Product standard (EN 3774-004:2014)  
- zamijenjena s: HRN EN 3774-004:2024

HRN EN 3879:2023 en  
Zrakoplovstvo – Metalni materijali – Dodatni materijal za zavarivanje – Tehnička specifikacija (EN 3879:2023)  
Aerospace series – Metallic materials – Filler metal for welding – Technical specification (EN 3879:2023)  
- zamijenjena s: HRN EN 4877-001:2024

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

HRN EN 50581:2013 en  
Tehnička dokumentacija za ocjenjivanje električnih i elektroničkih proizvoda s obzirom na ograničenja opasnih tvari (EN 50581:2012)  
Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances (EN 50581:2012)  
- zamijenjena s: HRN EN IEC 63000:2019

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

HRN HD 467.1.2 S1:2004 en  
Metode mjerenja za radioopremu koja se upotrebljava u satelitskim zemaljskim postajama – 1. dio: Mjerenja zajednička za podsustave i kombinacije podsustava – Drugi odlomak: Mjerenja u radiofrekvencijskom (RF) području (IEC 60510-1-2:1984; HD 467.1.2 S1:1986)  
Methods of measurement for radio equipment used in satellite earth stations – Part 1: Measurements common to sub-systems and combinations of sub-systems – Section 2: Measurements in the r.f. range (IEC 60510-1-2:1984; HD 467.1.2 S1:1986)  
- bez zamjene

HRN HD 467.2.3 S1:2004 en  
Metode mjerenja za radioopremu koja se upotrebljava u satelitskim zemaljskim postajama – 1. dio: Mjerenja za podsustave – Treći odlomak: Niskošumno pojačalo (IEC 60510-2-3:1989; HD 467.2.3 S1:1990)  
Methods of measurement for radio equipment used in satellite earth stations – Part 2: Measurements for subsystems – Section 3: Low-noise amplifier (IEC 60510-2-3:1989; HD 467.2.3 S1:1990)  
- bez zamjene

HRN HD 477.1 S1:2004 en  
Metode mjerenja opreme koja se upotrebljava u zemaljskim radiorelejnim sustavima – 1. dio: Mjerenje zajedničko za podsustave i simulirane radiorelejne sustave (IEC 60487-1:1984; HD 477.1 S1:1987)  
Methods of measurement of equipment used in terrestrial radio-relay systems – Part 1: Measurement common to subsystems and simulated radio-relay systems (IEC 60487-1:1984; HD 477.1 S1:1987)  
- bez zamjene

- HRN HD 477.2.1 S1:2004 en  
 Metode mjerenja za opremu koja se upotrebljava u zemaljskim radiorelejnim sustavima – 2. dio: Mjerenja za podsustave – Prvi odlomak: Općenito (IEC 60487-2-1:1981; HD 477.2.1 S1:1987)  
 Methods of measurement for equipment used in terrestrial radio-relay systems – Part 2: Measurements for sub-systems – Section 1: General (IEC 60487-2-1:1981; HD 477.2.1 S1:1987)  
 - bez zamjene
- HRN HD 477.2.2 S1:2004 en  
 Metode mjerenja opreme koja se upotrebljava u zemaljskim radiorelejnim sustavima – 2. dio: Mjerenja za podsustave – Drugi odlomak: Oprema pričuvnog komutacijskog kanala (IEC 60487-2-2:1981; HD 477.2.2 S1:1987)  
 Methods of measurement of equipment used in terrestrial radio-relay systems – Part 2: Measurements for sub-systems – Section 2: Stand-by channel switching equipment (IEC 60487-2-2:1981; HD 477.2.2 S1:1987)  
 - bez zamjene
- HRN HD 477.2.4 S1:2004 en  
 Metode mjerenja opreme koja se upotrebljava u zemaljskim radiorelejnim sustavima – 2. dio: Mjerenja za podsustave – Četvrti odlomak: Modulatori frekvencije (IEC 60487-2-4:1984; HD 477.2.4 S1:1987)  
 Methods of measurement of equipment used in terrestrial radio-relay systems – Part 2: Measurements for sub-systems – Section 4: Frequency modulators (IEC 60487-2-4:1984; HD 477.2.4 S1:1987)  
 - bez zamjene
- HRN HD 477.2.5 S1:2004 en  
 Metode mjerenja opreme koja se upotrebljava u zemaljskim radiorelejnim sustavima – 2. dio: Mjerenja za podsustave – Peti odlomak: Demodulatori frekvencije (IEC 60487-2-5:1984; HD 477.2.5 S1:1987)  
 Methods of measurement of equipment used in terrestrial radio-relay systems – Part 2: Measurements for sub-systems – Section 5: Frequency demodulators (IEC 60487-2-5:1984; HD 477.2.5 S1:1987)  
 - bez zamjene
- HRN HD 477.2.6 S1:2004 en  
 Metode mjerenja za opremu koja se upotrebljava u zemaljskim radiorelejnim sustavima – 2. dio: Mjerenja za podsustave – Šesti odlomak: Višestruki prijenos, udvostručene staze i pričuvna oprema za vruće linije (IEC 60487-2-6:1984; HD 477.2.6 S1:1987)  
 Methods of measurement for equipment used in terrestrial radio-relay systems – Part 2: Measurements for sub-systems – Section 6: Diversity, twin-path and hot stand-by equipment (IEC 60487-2-6:1984; HD 477.2.6 S1:1987)  
 - bez zamjene
- HRN HD 477.3.2 S1:2004 en  
 Metode mjerenja opreme koja se upotrebljava u zemaljskim radiorelejnim sustavima – 3. dio: Simulirani sustavi – Drugi odlomak: Mjerenja u osnovnom pojasu (IEC 60487-3-2:1981; HD 477.3.2 S1:1988)  
 Methods of measurement of equipment used in terrestrial radio-relay systems – Part 3: Simulated systems – Section 2: Measurements in the baseband (IEC 60487-3-2:1981; HD 477.3.2 S1:1988)  
 - bez zamjene
- HRN HD 477.3.3 S1:2004 en  
 Metode mjerenja opreme koja se upotrebljava u zemaljskim radiorelejnim sustavima – 3. dio: Simulirani sustavi – Treći odlomak: Mjerenja za televizijski prijenos u boji i bez boje (IEC 60487-3-3:1981; HD 477.3.3 S1:1989)  
 Methods of measurement of equipment used in terrestrial radio-relay systems – Part 3: Simulated systems – Section 3: Measurements for monochrome and colour television transmission (IEC 60487-3-3:1981; HD 477.3.3 S1:1989)  
 - bez zamjene
- HRN HD 477.3.4 S1:2004 en  
 Metode mjerenja opreme koja se upotrebljava u zemaljskim radiorelejnim sustavima – 3. dio: Simulirani sustavi – Četvrti odlomak: Mjerenja za FDM prijenos (IEC 60487-3-4:1982; HD 477.3.4 S1:1989)  
 Methods of measurement of equipment used in terrestrial radio-relay systems – Part 3: Simulated systems – Section 4: Measurements for f.d.m. transmission (IEC 60487-3-4:1982; HD 477.3.4 S1:1989)  
 - bez zamjene
- HRN HD 477.3.6 S1:2004 en  
 Metode mjerenja opreme koja se upotrebljava u zemaljskim radiorelejnim sustavima – 3. dio: Simulirani sustavi – Šesti odlomak: Mjerenja za prijenos zvučnih programa (IEC 60487-3-6:1984; HD 477.3.6 S1:1988)  
 Methods of measurement of equipment used in terrestrial radio-relay systems – Part 3: Simulated systems – Section 6: Measurements for sound-programme transmission (IEC 60487-3-6:1984; HD 477.3.6 S1:1988)  
 - bez zamjene
- HRN HD 477.3 S1:2004 en  
 Metode mjerenja za opremu koja se upotrebljava u zemaljskim radiorelejnim sustavima – 3. dio: Simulirani sustavi (IEC 60487-3:1975; HD 477.3 S1:1988)  
 Methods of measurement for equipment used in terrestrial radio-relay systems – Part 3: Simulated systems (IEC 60487-3:1975; HD 477.3 S1:1988)  
 - bez zamjene
- HRN EN 50290-2-24:2008 en  
 Komunikacijski kabele – Dio 2-24: Opća pravila konstruiranja i izrada – PE obloga (EN 50290-2-24:2002)  
 Communication cables – Part 2-24: Common design rules and construction – PE sheathing (EN 50290-2-24:2002)  
 - zamijenjena s: HRN EN 50290-2-24:2021
- HRN EN 50290-2-24:2008/A1:2009 en  
 Komunikacijski kabele – Dio 2-24: Opća pravila konstruiranja i izrada – PE obloga (EN 50290-2-24:2002/A1:2008)  
 Communication cables – Part 2-24: Common design rules and construction – PE sheathing (EN 50290-2-24:2002/A1:2008)  
 - zamijenjena s: HRN EN 50290-2-24:2021
- HRN EN 50290-2-27:2008 en  
 Komunikacijski kabele – Dio 2-27: Opća pravila konstruiranja i izrada – Termoplastične smjese za oblaganje bez halogena za usporavanje širenja plamena (EN 50290-2-27:2002+A1:2007)  
 Communication cables – Part 2-27: Common design rules and construction – Halogen free flame retardant thermoplastic sheathing compounds (EN 50290-2-27:2002+A1:2007)  
 - zamijenjena s: HRN EN 50290-2-27:2021
- HRN EN 50290-2-27:2008/Ispr.1:2014 en  
 Komunikacijski kabele – Dio 2-27: Opća pravila konstruiranja i izrada – Termoplastične smjese za oblaganje bez halogena za usporavanje širenja plamena (EN 50290-2-27:2002/A1:2007/AC:2010)  
 Communication cables – Part 2-27: Common design rules and construction – Halogen free flame retardant thermoplastic sheathing compounds (EN 50290-2-27:2002/A1:2007/AC:2010)  
 - zamijenjena s: HRN EN 50290-2-27:2021
- HRN EN 50551-1:2019 en  
 Jednosmjerni i dvosmjerni kabele za uporabu u završnim sklopovima kabela – 1. dio: Prazna tiskanica za detaljnu specifikaciju i minimalni zahtjevi (EN 50551-1:2019)  
 Simplex and duplex cables for use in terminated cable assemblies – Part 1: Blank Detail Specification and minimum requirements (EN 50551-1:2019)  
 - bez zamjene
- HRN EN 60352-7:2008 en  
 Nelemljeni spojevi – 7. dio: Spojevi opružnih stezaljki – Opći zahtjevi, metode ispitivanja i praktične upute (IEC 60352-7:2002; EN 60352-7:2002)  
 Solderless connections – Part 7: Spring clamp connections – General requirements, test methods and practical guidance (IEC 60352-7:2002; EN 60352-7:2002)  
 - zamijenjena s: HRN EN IEC 60352-7:2021

- HRN EN 60384-13:2012 en  
Fiksni kondenzatori za uporabu u elektroničkoj opremi – 13. dio: Sekcijska specifikacija – Fiksni kondenzatori za istosmjerni napon s dielektrikom od polipropilena i metalnom folijom (IEC 60384-13:2011; EN 60384-13:2012)  
Fixed capacitors for use in electronic equipment – Part 13: Sectional specification – Fixed polypropylene film dielectric metal foil d.c. capacitors (IEC 60384-13:2011; EN 60384-13:2012)  
- zamijenjena s: HRN EN IEC 60384-13:2021
- HRN EN 60510-2-6:2004 en  
Metode mjerenja za radioopremu koja se upotrebljava u satelitskim zemaljskim postajama – 2. dio: Mjerenja za podsustave – Šesti odlomak: Demodulatori frekvencije (IEC 60510-2-6:1992; EN 60510-2-6:1994)  
Methods of measurement for radio equipment used in satellite earth stations – Part 2: Measurements for sub-systems – Section 6: Frequency demodulators (IEC 60510-2-6:1992; EN 60510-2-6:1994)  
- bez zamjene
- HRN EN 60510-3-4:2004 en  
Metode mjerenja za radioopremu koja se upotrebljava u satelitskim zemaljskim postajama – 3. dio: Metode mjerenja na kombinacijama podsustava – Četvrti odlomak: Mjerenja za višestruki prijenos s raspodjelom frekvencija (FDM) (IEC 60510-3-4:1992; EN 60510-3-4:1994)  
Methods of measurement for radio equipment used in satellite earth stations – Part 3: Methods of measurement on combinations of sub-systems – Section 4: Measurements for frequency division multiplex (f.d.m.) transmission (IEC 60510-3-4:1992; EN 60510-3-4:1994)  
- bez zamjene
- HRN EN 60793-1-34:2009 en  
Optical fibres – Part 1-34: Measurement methods and test procedures – Fibre curl (IEC 60793-1-34:2006; EN 60793-1-34:2006)  
- zamijenjena s: HRN EN IEC 60793-1-34:2021
- HRN EN 60793-2-40:2016 en  
Optička vlakna – Dio 2-40: Specifikacije proizvoda – Sekcijska specifikacija za vlakna kategorije A4 za višestruki način rada (IEC 60793-2-40:2015; EN 60793-2-40:2016)  
Optical fibres – Part 2-40: Product specifications – Sectional specification for category A4 multimode fibres (IEC 60793-2-40:2015; EN 60793-2-40:2016)  
- zamijenjena s: HRN EN IEC 60793-2-40:2021
- HRN EN 60794-1-2:2017 en  
Svjetlovodni kabeli – Dio 1-2: Osnovni postupci ispitivanja svjetlovodnih kabela – Općenito i definicije (IEC 60794-1-2:2017; EN 60794-1-2:2017)  
Optical fibre cables – Part 1-2: Basic optical cable test procedures – General and definitions (IEC 60794-1-2:2017; EN 60794-1-2:2017)  
- zamijenjena s: HRN EN IEC 60794-1-2:2021
- HRN EN 60794-3-12:2014 en  
Svjetlovodni kabeli – Dio 3-12: Kabeli za vanjsku primjenu – Detaljna specifikacija za svjetlovodne telekomunikacijske kabele u kanalima i izravno ukopane za polaganje u korisničkim prostorima (IEC 60794-3-12:2012; EN 60794-3-12:2013)  
Optical fibre cables – Part 3-12: Outdoor cables – Detailed specification for duct and directly buried optical telecommunication cables for use in premises cabling (IEC 60794-3-12:2012; EN 60794-3-12:2013)  
- zamijenjena s: HRN EN IEC 60794-3-12:2021
- HRN EN 61010-2-030:2011 en  
Sigurnosni zahtjevi za mjernu, upravljačku i laboratorijsku električnu opremu – Dio 2-030: Posebni zahtjevi za ispitne i mjerne krugove (IEC 61010-2-030:2010; EN 61010-2-030:2010)  
Safety requirements for electrical equipment for measurement, control, and laboratory use – Part 2-030: Particular requirements for testing and measuring circuits (IEC 61010-2-030:2010; EN 61010-2-030:2010)  
- zamijenjena s: HRN EN IEC 61010-2-030:2021
- HRN EN 61010-2-091:2013 en  
Sigurnosni zahtjevi za mjernu, upravljačku i laboratorijsku električnu opremu – Dio 2-091: Posebni zahtjevi za rendgenske sustave u kućištu (IEC 61010-2-091:2012; EN 61010-2-091:2012+AC:2013)  
Safety requirements for electrical equipment for measurement, control and laboratory use – Part 2-091: Particular requirements for cabinet X-ray systems (IEC 61010-2-091:2012; EN 61010-2-091:2012+AC:2013)  
- zamijenjena s: HRN EN IEC 61010-2-091:2021
- HRN EN 61188-5-1:2008 en  
Printed boards and printed board assemblies – Design and use – Part 5-1: Attachment (land/joint) considerations – Generic requirements (IEC 61188-5-1:2002; EN 61188-5-1:2002)  
- zamijenjena s: HRN EN IEC 61188-6-1:2021
- HRN EN 61215-1-1:2016 en  
Zemaljski fotonaponski (PV) moduli – Ocjena projekta i odobrenje tipa – Dio 1-1: Posebni zahtjevi za ispitivanje fotonaponskih (PV) modula od kristalnog silicija (IEC 61215-1-1:2016; EN 61215-1-1:2016)  
Terrestrial photovoltaic (PV) modules – Design qualification and type approval – Part 1-1: Special requirements for testing of crystalline silicon photovoltaic (PV) modules (IEC 61215-1-1:2016; EN 61215-1-1:2016)  
- zamijenjena s: HRN EN IEC 61215-1-1:2021
- HRN EN 61215-1:2016 en  
Zemaljski fotonaponski (PV) moduli – Ocjena projekta i odobrenje tipa – 1. dio: Zahtjevi za ispitivanje terestrijskih fotonaponskih (PV) modula – Design qualification and type approval – Part 1: Test requirements (IEC 61215-1:2016; EN 61215-1:2016)  
- zamijenjena s: HRN EN IEC 61215-1:2021
- HRN EN 61215-1-2:2017 en  
Zemaljski fotonaponski (PV) moduli – Ocjena projekta i odobrenje tipa – Dio 1-2: Posebni zahtjevi za ispitivanje tankoslojnih fotonaponskih (PV) modula na bazi kadmij telurija (CdTe) (IEC 61215-1-2:2016; EN 61215-1-2:2017)  
Terrestrial photovoltaic (PV) modules – Design qualification and type approval – Part 1-2: Special requirements for testing of thin-film Cadmium Telluride (CdTe) based photovoltaic (PV) modules (IEC 61215-1-2:2016; EN 61215-1-2:2017)  
- zamijenjena s: HRN EN IEC 61215-1-2:2021
- HRN EN 61215-1-3:2017 en  
Zemaljski fotonaponski (PV) moduli – Ocjena projekta i odobrenje tipa – Dio 1-3: Posebni zahtjevi za ispitivanje tankoslojnih fotonaponskih (PV) modula na bazi amorfno silicija (IEC 61215-1-3:2016; EN 61215-1-3:2017)  
Terrestrial photovoltaic (PV) modules – Design qualification and type approval – Part 1-3: Special requirements for testing of thin-film amorphous silicon based photovoltaic (PV) modules (IEC 61215-1-3:2016; EN 61215-1-3:2017)  
- zamijenjena s: HRN EN IEC 61215-1-3:2021
- HRN EN 61215-1-4:2017 en  
Zemaljski fotonaponski (PV) moduli – Ocjena projekta i odobrenje tipa – Dio 1-4: Posebni zahtjevi za ispitivanje tankoslojnih fotonaponskih (PV) modula na bazi Cu (In,Ga) (S,Se)<sub>2</sub> (IEC 61215-1-4:2016; EN 61215-1-4:2017)  
Terrestrial photovoltaic (PV) modules – Design qualification and type approval – Part 1-4: Special requirements for testing of thin-film Cu(In,Ga)(S,Se)<sub>2</sub> based photovoltaic (PV) modules (IEC 61215-1-4:2016; EN 61215-1-4:2017)  
- zamijenjena s: HRN EN IEC 61215-1-4:2021
- HRN EN 61215-2:2017 en  
Zemaljski fotonaponski (PV) moduli – Ocjena projekta i odobrenje tipa – 2. dio: Postupci ispitivanja (IEC 61215-2:2016; EN 61215-2:2017)  
Terrestrial photovoltaic (PV) modules – Design qualification and type approval – Part 2: Test procedures (IEC 61215-2:2016; EN 61215-2:2017)  
- zamijenjena s: HRN EN IEC 61215-2:2021
- HRN EN 61215-2:2017/Ispr.1:2018 en  
Zemaljski fotonaponski (PV) moduli – Ocjena projekta i odobrenje tipa – 2. dio: Postupci ispitivanja (EN 61215-2:2017/AC:2017)  
Terrestrial photovoltaic (PV) modules – Design qualification and type approval – Part 2: Test procedures (EN 61215-2:2017/AC:2017)  
- zamijenjena s: HRN EN IEC 61215-2:2021



HRN EN 61215-2:2017/Ispr.2:2018 en  
Zemaljski fotonaponski (PV) moduli – Ocjena projekta i odobrenje tipa – 2. dio: Postupci ispitivanja (IEC 61215-2:2016/Corr.1:2018; EN 61215-2:2017/AC:2018)  
Terrestrial photovoltaic (PV) modules – Design qualification and type approval – Part 2: Test procedures (IEC 61215-2:2016/Corr.1:2018; EN 61215-2:2017/AC:2018)  
- bez zamjene

HRN EN 61280-2-8:2008 en  
Fibre optic communication subsystem test procedures – Digital systems – Part 2-8: Determination of low BER using Q-factor measurements (IEC 61280-2-8:2003; EN 61280-2-8:2003)  
- zamijenjena s: HRN EN IEC 61280-2-8:2021

HRN EN 61290-1-3:2015 en  
Optička pojačala – Metode ispitivanja – Dio 1-3: Parametri snage i pojačanja – Metoda optičkog mjerila snage (IEC 61290-1-3:2015; EN 61290-1-3:2015)  
Optical amplifiers – Test methods – Part 1-3: Power and gain parameters – Optical power meter method (IEC 61290-1-3:2015; EN 61290-1-3:2015)  
- zamijenjena s: HRN EN IEC 61290-1-3:2021

HRN EN 61300-2-10:2014 en  
Svjetlovodni uređaji za međusobno spajanje i pasivne komponente – Osnovni postupci ispitivanja i mjerenja – Dio 2-10: Ispitivanja – Otpornost na pritisak (IEC 61300-2-10:2012; EN 61300-2-10:2012)  
Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 2-10: Tests – Crush resistance (IEC 61300-2-10:2012; EN 61300-2-10:2012)  
- zamijenjena s: HRN EN IEC 61300-2-10:2021

HRN EN 61300-2-1:2010 en  
Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 2-1: Tests – Vibration (sinusoidal) (IEC 61300-2-1:2009; EN 61300-2-1:2009)  
- zamijenjena s: HRN EN IEC 61300-2-1:2023

HRN EN 61300-2-14:2014 en  
Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 2-14: Tests – High optical power (IEC 61300-2-14:2012; EN 61300-2-14:2013)  
- zamijenjena s: HRN EN IEC 61300-2-14:2021

HRN EN 61300-2-18:2008 en  
Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 2-18: Tests – Dry heat – High temperature endurance (IEC 61300-2-18:2005; EN 61300-2-18:2005)  
- zamijenjena s: HRN EN IEC 61300-2-18:2023

HRN EN 61300-3-30:2008 en  
Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 3-30: Examinations and measurements – Polish angle and fibre position on single ferrule multifibre connectors (IEC 61300-3-30:2003; EN 61300-3-30:2003)  
- zamijenjena s: HRN EN IEC 61300-3-30:2021

HRN EN 61300-3-53:2015 en  
Svjetlovodni uređaji za međusobno spajanje i pasivne komponente – Osnovni postupci ispitivanja i mjerenja – Dio 3-53: Ispitivanja i mjerenja – Metoda mjerenja zaokruženog kutnog toka (EAF) koja se temelji na dvodimenzionalnim podacima dalekog polja višenačinskog valovoda stepenastog indeksa loma (uključujući svjetlovod) (IEC 61300-3-53:2015; EN 61300-3-53:2015)  
Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 3-53: Examinations and Measurements – Encircled angular flux (EAF) measurement method based on two-dimensional far field data from step index multimode waveguide (including fibre) (IEC 61300-3-53:2015; EN 61300-3-53:2015)  
- zamijenjena s: HRN EN IEC 61300-3-53:2021

HRN EN 61760-3:2011 en  
Surface mounting technology – Part 3: Standard method for the specification of components for Through Hole Reflow (THR) soldering (IEC 61760-3:2010; EN 61760-3:2010)  
- zamijenjena s: HRN EN IEC 61760-3:2021

## 1.6 Ispravci hrvatskih norma

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

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

- **umjesto**

HRN EN 1090-4:2018

**Izvođenje** čeličnih i aluminijskih konstrukcija – 4. dio: Tehnički zahtjevi za tankostijene, hladno oblikovane, čelične elemente i konstrukcije za primjenu kod krovova, stropova, podova i zidova (EN 1090-4:2018)  
Execution of steel structures and aluminium structures – Part 4: Technical requirements for thin-gauge, cold-formed steel elements and structures for roof, ceiling, floor and wall applications (EN 1090-4:2018)

- **treba biti**

HRN EN 1090-4:2018

**Izvedba** čeličnih i aluminijskih konstrukcija – 4. dio: Tehnički zahtjevi za tankostijene, hladno oblikovane, čelične elemente i konstrukcije za primjenu kod krovova, stropova, podova i zidova (EN 1090-4:2018)  
Execution of steel structures and aluminium structures – Part 4: Technical requirements for thin-gauge, cold-formed steel elements and structures for roof, ceiling, floor and wall applications (EN 1090-4:2018)

- **umjesto**

HRN EN 1090-5:2017

**Izvođenje** čeličnih i aluminijskih konstrukcija – 5. dio: Tehnički zahtjevi za hladno oblikovane aluminijske konstrukcijske elemente i hladno oblikovane konstrukcije za krovove, stropove, podove i zidove (EN 1090-5:2017)  
Execution of steel structures and aluminium structures – Part 5: Technical requirements for cold-formed structural aluminium elements and cold-formed structures for roof, ceiling, floor and wall applications (EN 1090-5:2017)

- **treba biti**

HRN EN 1090-5:2017

**Izvedba** čeličnih i aluminijskih konstrukcija – 5. dio: Tehnički zahtjevi za hladno oblikovane aluminijske konstrukcijske elemente i hladno oblikovane konstrukcije za krovove, stropove, podove i zidove (EN 1090-5:2017)  
Execution of steel structures and aluminium structures – Part 5: Technical requirements for cold-formed structural aluminium elements and cold-formed structures for roof, ceiling, floor and wall applications (EN 1090-5:2017)

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

- **umjesto**

HRN EN ISO 11268-1:2015

Kvaliteta tla – Učinci **onečišćivača** na gujavice – 1. dio: Određivanje akutne toksičnosti za vrste *Eisenia fetida*/*Eisenia andrei* (ISO 11268-1:2012; EN ISO 11268-1:2015)  
Soil quality – Effects of pollutants on earthworms – Part 1: Determination of acute toxicity to *Eisenia fetida*/*Eisenia andrei* (ISO 11268-1:2012; EN ISO 11268-1:2015)

- **treba biti**

HRN EN ISO 11268-1:2015

Kvaliteta tla – Učinci **zagađivala** na gujavice – 1. dio: Određivanje akutne toksičnosti za vrste *Eisenia fetida*/*Eisenia andrei* (ISO 11268-1:2012; EN ISO 11268-1:2015)  
Soil quality – Effects of pollutants on earthworms – Part 1: Determination of acute toxicity to *Eisenia fetida*/*Eisenia andrei* (ISO 11268-1:2012; EN ISO 11268-1:2015)

• **umjesto**  
HRN EN ISO 11268-2:2023  
Kvaliteta tla – Učinci **onečišćivača** na gujavice – 2. dio: Određivanje učinaka na reprodukciju vrsta *Eisenia fetida*/*Eisenia andrei* i ostale vrste gujavica (ISO 11268-2:2023; EN ISO 11268-2:2023)  
Soil quality – Effects of pollutants on earthworms – Part 2: Determination of effects on reproduction of *Eisenia fetida*/*Eisenia andrei* and other earthworm species (ISO 11268-2:2023; EN ISO 11268-2:2023)

• **treba biti**  
HRN EN ISO 11268-2:2023  
Kvaliteta tla – Učinci **zagađivala** na gujavice – 2. dio: Određivanje učinaka na reprodukciju vrsta *Eisenia fetida*/*Eisenia andrei* i ostale vrste gujavica (ISO 11268-2:2023; EN ISO 11268-2:2023)  
Soil quality – Effects of pollutants on earthworms – Part 2: Determination of effects on reproduction of *Eisenia fetida*/*Eisenia andrei* and other earthworm species (ISO 11268-2:2023; EN ISO 11268-2:2023)

• **umjesto**  
HRN EN ISO 11268-3:2015  
Kvaliteta tla – Učinci **onečišćivača** na gujavice – 3. dio: Upute za određivanje učinaka na terenu (ISO 11268-3:2014; EN ISO 11268-3:2015)  
Soil quality – Effects of pollutants on earthworms – Part 3: Guidance on the determination of effects in field situations (ISO 11268-3:2014; EN ISO 11268-3:2015)

• **treba biti**  
HRN EN ISO 11268-3:2015  
Kvaliteta tla – Učinci **zagađivala** na gujavice – 3. dio: Upute za određivanje učinaka na terenu (ISO 11268-3:2014; EN ISO 11268-3:2015)  
Soil quality – Effects of pollutants on earthworms – Part 3: Guidance on the determination of effects in field situations (ISO 11268-3:2014; EN ISO 11268-3:2015)

• **umjesto**  
HRN EN ISO 11269-1:2013  
Kvaliteta tla – Određivanje učinaka **onečišćivača** na floru u tlu – 1. dio: Metoda za mjerenje sprječavanja rasta korijenja (ISO 11269-1:2012; EN ISO 11269-1:2012)  
Soil quality – Determination of the effects of pollutants on soil flora – Part 1: Method for the measurement of inhibition of root growth (ISO 11269-1:2012; EN ISO 11269-1:2012)

• **treba biti**  
HRN EN ISO 11269-1:2013  
Kvaliteta tla – Određivanje učinaka **zagađivala** na floru u tlu – 1. dio: Metoda za mjerenje sprječavanja rasta korijenja (ISO 11269-1:2012; EN ISO 11269-1:2012)  
Soil quality – Determination of the effects of pollutants on soil flora – Part 1: Method for the measurement of inhibition of root growth (ISO 11269-1:2012; EN ISO 11269-1:2012)

• **umjesto**  
HRN EN ISO 11269-2:2013  
Kvaliteta tla – Određivanje učinaka **onečišćivača** na floru u tlu – 2. dio: Učinak onečišćenog tla na klijanje i rani razvoj višeg bilja (ISO 11269-2:2012; EN ISO 11269-2:2013)  
Soil quality – Determination of the effects of pollutants on soil flora – Part 2: Effects of contaminated soil on the emergence and early growth of higher plants (ISO 11269-2:2012; EN ISO 11269-2:2013)

• **treba biti**  
HRN EN ISO 11269-2:2013  
Kvaliteta tla – Određivanje učinaka **zagađivala** na floru u tlu – 2. dio: Učinak onečišćenog tla na klijanje i rani razvoj višeg bilja (ISO 11269-2:2012; EN ISO 11269-2:2013)  
Soil quality – Determination of the effects of pollutants on soil flora – Part 2: Effects of contaminated soil on the emergence and early growth of higher plants (ISO 11269-2:2012; EN ISO 11269-2:2013)

• **umjesto**  
HRN EN ISO 15952:2018  
Kvaliteta tla – Učinci **onečišćivača** na mlade zemljišne puževe (*Helicidae*) – Određivanje učinaka onečišćenosti tla na razvoj (ISO 15952:2018; EN ISO 15952:2018)  
Soil quality – Effects of pollutants on juvenile land snails (*Helicidae*) – Determination of the effects on growth by soil contamination (ISO 15952:2018; EN ISO 15952:2018)

• **treba biti**  
HRN EN ISO 15952:2018  
Kvaliteta tla – Učinci **zagađivala** na mlade zemljišne puževe (*Helicidae*) – Određivanje učinaka onečišćenosti tla na razvoj (ISO 15952:2018; EN ISO 15952:2018)  
Soil quality – Effects of pollutants on juvenile land snails (*Helicidae*) – Determination of the effects on growth by soil contamination (ISO 15952:2018; EN ISO 15952:2018)

• **umjesto**  
HRN EN ISO 18763:2020  
Kvaliteta tla – Određivanje toksičnih učinaka **onečišćujućih tvari** na klijanje i rani rast viših biljaka (ISO 18763:2016; EN ISO 18763:2020)  
Soil quality – Determination of the toxic effects of pollutants on germination and early growth of higher plants (ISO 18763:2016; EN ISO 18763:2020)

• **treba biti**  
HRN EN ISO 18763:2020  
Kvaliteta tla – Određivanje toksičnih učinaka **zagađivala** na klijanje i rani rast viših biljaka (ISO 18763:2016; EN ISO 18763:2020)  
Soil quality – Determination of the toxic effects of pollutants on germination and early growth of higher plants (ISO 18763:2016; EN ISO 18763:2020)

• **umjesto**  
HRN EN ISO 20963:2011  
Kvaliteta tla – Učinci **onečišćivača** na ličinke kukaca (*Oxythyrea funesta*) – Određivanje akutne toksičnosti (ISO 20963:2005; EN ISO 20963:2011)  
Soil quality – Effects of pollutants on insect larvae (*Oxythyrea funesta*) – Determination of acute toxicity (ISO 20963:2005; EN ISO 20963:2011)

• **treba biti**  
HRN EN ISO 20963:2011  
Kvaliteta tla – Učinci **zagađivala** na ličinke kukaca (*Oxythyrea funesta*) – Određivanje akutne toksičnosti (ISO 20963:2005; EN ISO 20963:2011)  
Soil quality – Effects of pollutants on insect larvae (*Oxythyrea funesta*) – Determination of acute toxicity (ISO 20963:2005; EN ISO 20963:2011)

• **umjesto**  
HRN EN ISO 21479:2020  
Kvaliteta tla – Određivanje utjecaja **onečišćivača** na floru tla – Sastav masnih kiselina lišća biljaka za procjenu kvalitete tla (ISO 21479:2019; EN ISO 21479:2020)  
Soil quality – Determination of the effects of pollutants on soil flora – Leaf fatty acid composition of plants to assess soil quality (ISO 21479:2019; EN ISO 21479:2020)

• **treba biti**  
HRN EN ISO 21479:2020  
Kvaliteta tla – Određivanje utjecaja **zagađivala** na floru tla – Sastav masnih kiselina lišća biljaka za procjenu kvalitete tla (ISO 21479:2019; EN ISO 21479:2020)  
Soil quality – Determination of the effects of pollutants on soil flora – Leaf fatty acid composition of plants to assess soil quality (ISO 21479:2019; EN ISO 21479:2020)

## HZN/ TO E2, Rotacijski strojevi

- **umjesto**

HRN EN IEC 60034-27-1:2018

Rotacijski električni strojevi – Dio 27-1: Mjerenje parcijalnih izbijanja izvan pogona na izolaciji **statorskih svitaka** rotacijskih električnih strojeva (IEC 60034-27-1:2017; EN IEC 60034-27-1:2018)  
Rotating electrical machines – Part 27-1: Off-line partial discharge measurements on the stator winding insulation of rotating electrical machines (IEC 60034-27-1:2017; EN IEC 60034-27-1:2018)

- **treba biti**

HRN EN IEC 60034-27-1:2018

Rotacijski električni strojevi – Dio 27-1: Mjerenje parcijalnih izbijanja izvan pogona na izolaciji **statorskog namota** rotacijskih električnih strojeva (IEC 60034-27-1:2017; EN IEC 60034-27-1:2018)  
Rotating electrical machines – Part 27-1: Off-line partial discharge measurements on the stator winding insulation of rotating electrical machines (IEC 60034-27-1:2017; EN IEC 60034-27-1:2018)

## HZN/ TO E55, Žice za namote

- **umjesto**

HRN EN 60317-48:2013

Specifikacije pojedinih vrsta žica za namote – 48. dio: Nelakirana ili lakirana **profilna** bakrena žica, omotana staklenim vlaknima i **impregnirana** smolom ili lakom, indeksa temperature 155 (IEC 60317-48:2012; EN 60317-48:2012)  
Specifications for particular types of winding wires – Part 48: Glass-fibre wound resin or varnish impregnated, bare or enamelled round copper wire, temperature index 155 (IEC 60317-48:2012; EN 60317-48:2012)

- **treba biti**

HRN EN 60317-48:2013

Specifikacije pojedinih vrsta žica za namote – 48. dio: Nelakirana ili lakirana **okrugla** bakrena žica, omotana staklenim vlaknima **impregniranima** smolom ili lakom, indeksa temperature 155 (IEC 60317-48:2012; EN 60317-48:2012)  
Specifications for particular types of winding wires – Part 48: Glass-fibre wound resin or varnish impregnated, bare or enamelled round copper wire, temperature index 155 (IEC 60317-48:2012; EN 60317-48:2012)

- **umjesto**

HRN EN 60317-49:2013

Specifikacije pojedinih vrsta žica za namote – 49. dio: Nelakirana ili lakirana **profilna** bakrena žica, omotana staklenim vlaknima **visoke temperature i impregnirana smolom** ili lakom, indeksa temperature 180 (IEC 60317-49:2012+Corr.1:2013; EN 60317-49:2012)  
Specifications for particular types of winding wires – Part 49: Glass-fibre wound high temperature resin or varnish impregnated, bare or enamelled round copper wire, temperature index 180 (IEC 60317-49:2012+Corr.1:2013; EN 60317-49:2012)

- **treba biti**

HRN EN 60317-49:2013

Specifikacije pojedinih vrsta žica za namote – 49. dio: Nelakirana ili lakirana **okrugla** bakrena žica, omotana staklenim vlaknima **impregniranima smolom otpornom na visoke temperature** ili lakom, indeksa temperature 180 (IEC 60317-49:2012+Corr.1:2013; EN 60317-49:2012)  
Specifications for particular types of winding wires – Part 49: Glass-fibre wound high temperature resin or varnish impregnated, bare or enamelled round copper wire, temperature index 180 (IEC 60317-49:2012+Corr.1:2013; EN 60317-49:2012)

- **umjesto**

HRN EN 60317-50:2013

Specifikacije pojedinih vrsta žica za namote – 50. dio: Nelakirana ili lakirana **profilna** bakrena žica, omotana silikonskim staklenim vlaknima i **impregnirana** smolom ili lakom, indeksa temperature 200 (IEC 60317-50:2012; EN 60317-50:2012)  
Specifications for particular types of winding wires – Part 50: Glass-fibre wound silicone resin or varnish impregnated, bare or enamelled round copper wire, temperature index 200 (IEC 60317-50:2012; EN 60317-50:2012)

- **treba biti**

HRN EN 60317-50:2013

Specifikacije pojedinih vrsta žica za namote – 50. dio: Nelakirana ili lakirana **okrugla** bakrena žica, omotana silikonskim staklenim vlaknima **impregniranima** smolom ili lakom, indeksa temperature 200 (IEC 60317-50:2012; EN 60317-50:2012)  
Specifications for particular types of winding wires – Part 50: Glass-fibre wound silicone resin or varnish impregnated, bare or enamelled round copper wire, temperature index 200 (IEC 60317-50:2012; EN 60317-50:2012)

- **umjesto**

HRN EN 60317-51:2014

Specifikacije pojedinih vrsta žica za namote – 51. dio: **Poliuretanom lakirana** lemljiva okrugla bakrena žica, razreda 180 (IEC 60317-51:2014; EN 60317-51:2014)  
Specifications for particular types of winding wires – Part 51: Solderable polyurethane enamelled round copper wire, class 180 (IEC 60317-51:2014; EN 60317-51:2014)

- **treba biti**

HRN EN 60317-51:2014

Specifikacije pojedinih vrsta žica za namote – 51. dio: Lemljiva okrugla bakrena žica **lakirana poliuretanom**, razreda 180 (IEC 60317-51:2014; EN 60317-51:2014)  
Specifications for particular types of winding wires – Part 51: Solderable polyurethane enamelled round copper wire, class 180 (IEC 60317-51:2014; EN 60317-51:2014)

- **umjesto**

HRN EN 60317-55:2014

Specifikacije pojedinih vrsta žica za namote – 55. dio: Poliuretanom lakirana **okrugla bakrena lemljiva** žica prekrivena poliamidom, razreda 180 (IEC 60317-55:2013; EN 60317-55:2014)  
Specifications for particular types of winding wires – Part 55: Solderable polyurethane enamelled round copper wire overcoated with polyamide, Class 180 (IEC 60317-55:2013; EN 60317-55:2014)

- **treba biti**

HRN EN 60317-55:2014

Specifikacije pojedinih vrsta žica za namote – 55. dio: Poliuretanom lakirana **lemljiva okrugla bakrena** žica prekrivena poliamidom, razreda 180 (IEC 60317-55:2013; EN 60317-55:2014)  
Specifications for particular types of winding wires – Part 55: Solderable polyurethane enamelled round copper wire overcoated with polyamide, Class 180 (IEC 60317-55:2013; EN 60317-55:2014)

- **umjesto**

HRN EN 60317-55:2014/A1:2019

Specifikacije pojedinih vrsta žica za namote – 55. dio: Poliuretanom lakirana **okrugla bakrena lemljiva** žica prekrivena poliamidom, razreda 180 (IEC 60317-55:2013/am1:2019; EN 60317-55:2014/A1:2019)  
Specifications for particular types of winding wires – Part 55: Solderable polyurethane enamelled round copper wire overcoated with polyamide, class 180 (IEC 60317-55:2013/am1:2019; EN 60317-55:2014/A1:2019)

- **treba biti**

HRN EN 60317-55:2014/A1:2019

Specifikacije pojedinih vrsta žica za namote – 55. dio: Poliuretanom lakirana **lemljiva okrugla bakrena** žica prekrivena poliamidom, razreda 180 (IEC 60317-55:2013/am1:2019; EN 60317-55:2014/A1:2019)  
Specifications for particular types of winding wires – Part 55: Solderable polyurethane enamelled round copper wire overcoated with polyamide, class 180 (IEC 60317-55:2013/am1:2019; EN 60317-55:2014/A1:2019)

- **umjesto**

HRN EN 60317-56:2017

Specifikacije pojedinih vrsta žica za namote – 56. dio: Lemljiva potpuno izolirana (FIW) **poliuretanska lakirana** okrugla bakrena žica **bez defekta**, razreda 180 (IEC 60317-56:2017; EN 60317-56:2017)  
Specifications for particular types of winding wires – Part 56: Solderable fully insulated (FIW) zero-defect polyurethane enamelled round copper wire, class 180 (IEC 60317-56:2017; EN 60317-56:2017)

- **treba biti**

HRN EN 60317-56:2017

Specifikacije pojedinih vrsta žica za namote – 56. dio: Lemljiva potpuno izolirana (FIW) **bez defekta** okrugla bakrena žica **lakirana poliuretanom**, razreda 180 (IEC 60317-56:2017; EN 60317-56:2017)  
Specifications for particular types of winding wires – Part 56: Solderable fully insulated (FIW) zero-defect polyurethane enamelled round copper wire, class 180 (IEC 60317-56:2017; EN 60317-56:2017)

- **umjesto**

HRN EN 60317-57:2013

Specifikacije pojedinih vrsta žica za namote – 57. dio: **Poliamid-imide lakirana** okrugla bakrena žica, razreda 220 (IEC 60317-57:2010; EN 60317-57:2010)  
Specifications for particular types of winding wires – Part 57: Polyamide-imide enamelled round copper wire, class 220 (IEC 60317-57:2010; EN 60317-57:2010)

- **treba biti**

HRN EN 60317-57:2013

Specifikacije pojedinih vrsta žica za namote – 57. dio: Okrugla bakrena žica **lakirana poliamid-imidom**, razreda 220 (IEC 60317-57:2010; EN 60317-57:2010)  
Specifications for particular types of winding wires – Part 57: Polyamide-imide enamelled round copper wire, class 220 (IEC 60317-57:2010; EN 60317-57:2010)

- **umjesto**

HRN EN 60317-58:2013

Specifikacije pojedinih vrsta žica za namote – 58. dio: **Poliamid-imidom lakirana** profilna bakrena žica, razreda 220 (IEC 60317-58:2010; EN 60317-58:2010)  
Specifications for particular types of winding wires – Part 58: Polyamide-imide enamelled rectangular copper wire, class 220 (IEC 60317-58:2010; EN 60317-58:2010)

- **treba biti**

HRN EN 60317-58:2013

Specifikacije pojedinih vrsta žica za namote – 58. dio: Profilna bakrena žica **lakirana poliamid-imidom**, razreda 220 (IEC 60317-58:2010; EN 60317-58:2010)  
Specifications for particular types of winding wires – Part 58: Polyamide-imide enamelled rectangular copper wire, class 220 (IEC 60317-58:2010; EN 60317-58:2010)

- **umjesto**

HRN EN 60317-59:2016

Specifikacije pojedinih vrsta žica za namote – 59. dio: **Poliimidom lakirana** okrugla bakrena žica, razreda 240 (IEC 60317-59:2015; EN 60317-59:2016)  
Specifications for particular type of winding wires – Part 59: Polyamideimide enameled round copper wire, class 240 (IEC 60317-59:2015; EN 60317-59:2016)

- **treba biti**

HRN EN 60317-59:2016

Specifikacije pojedinih vrsta žica za namote – 59. dio: Okrugla bakrena žica **lakirana poliamid-imidom**, razreda 240 (IEC 60317-59:2015; EN 60317-59:2016)  
Specifications for particular type of winding wires – Part 59: Polyamideimide enameled round copper wire, class 240 (IEC 60317-59:2015; EN 60317-59:2016)

- **umjesto**

HRN EN IEC 60317-60-1:2020

Specifikacije pojedinih vrsta žica za namote – Dio 60-1: Nelakirana ili lakirana profilna bakrena žica, omotana **staklenim, poliestrom povezanim vlaknima, bez lakiranja**, indeksa temperature 155 (IEC 60317-60-1:2020; EN IEC 60317-60-1:2020)  
Specifications for particular types of winding wires – Part 60-1: Polyester glass-fibre wound fused, unvarnished, bare or enamelled rectangular copper wire, temperature index 155 (IEC 60317-60-1:2020; EN IEC 60317-60-1:2020)

- **treba biti**

HRN EN IEC 60317-60-1:2020

Specifikacije pojedinih vrsta žica za namote – Dio 60-1: Nelakirana ili lakirana profilna bakrena žica, omotana **i stopljena neimpregniranim poliesterskim staklenim vlaknima**, indeksa temperature 155 (IEC 60317-60-1:2020; EN IEC 60317-60-1:2020)  
Specifications for particular types of winding wires – Part 60-1: Polyester glass-fibre wound fused, unvarnished, bare or enamelled rectangular copper wire, temperature index 155 (IEC 60317-60-1:2020; EN IEC 60317-60-1:2020)

- **umjesto**

HRN EN IEC 60317-60-2:2020

Specifikacije pojedinih vrsta žica za namote – Dio 60-2: Nelakirana ili lakirana profilna bakrena žica, omotana **staklenim, poliestrom povezanim vlaknima, impregnirana smolom ili lakom**, indeksa temperature 155 (IEC 60317-60-2:2020; EN IEC 60317-60-2:2020)  
Specifications for particular types of winding wires – Part 60-2: Polyester glass-fibre wound, resin or varnish impregnated, bare or enamelled rectangular copper wire, temperature index 155 (IEC 60317-60-2:2020; EN IEC 60317-60-2:2020)

- **treba biti**

HRN EN IEC 60317-60-2:2020

Specifikacije pojedinih vrsta žica za namote – Dio 60-2: Nelakirana ili lakirana profilna bakrena žica, omotana **poliesterskim staklenim vlaknima impregniranim** smolom ili lakom, indeksa temperature 155 (IEC 60317-60-2:2020; EN IEC 60317-60-2:2020)  
Specifications for particular types of winding wires – Part 60-2: Polyester glass-fibre wound, resin or varnish impregnated, bare or enamelled rectangular copper wire, temperature index 155 (IEC 60317-60-2:2020; EN IEC 60317-60-2:2020)

- **umjesto**

HRN EN IEC 60317-61:2020

Specifikacije pojedinih vrsta žica za namote – 61. dio: Nelakirana ili lakirana profilna bakrena žica omotana poliesterskim staklenim vlaknima, **impregnirana lakom ili smolom**, indeksa temperature 180 (IEC 60317-61:2020; EN IEC 60317-61:2020)  
Specifications for particular types of winding wires – Part 61: Polyester glass-fibre wound, resin or varnish impregnated, bare or enamelled rectangular copper wire, temperature index 180 (IEC 60317-61:2020; EN IEC 60317-61:2020)

- **treba biti**

HRN EN IEC 60317-61:2020

Specifikacije pojedinih vrsta žica za namote – 61. dio: Nelakirana ili lakirana profilna bakrena žica, omotana poliesterskim staklenim vlaknima **impregniranim smolom ili lakom**, indeksa temperature 180 (IEC 60317-61:2020; EN IEC 60317-61:2020)  
Specifications for particular types of winding wires – Part 61: Polyester glass-fibre wound, resin or varnish impregnated, bare or enamelled rectangular copper wire, temperature index 180 (IEC 60317-61:2020; EN IEC 60317-61:2020)

- **umjesto**

HRN EN IEC 60317-62:2020

Specifikacije pojedinih vrsta žica za namote – **Dio 62:** Nelakirana ili lakirana profilna bakrena žica, omotana **staklenim, poliestrom povezanim vlaknima, impregnirana** silikonskom smolom ili lakom, indeksa temperature 200 (IEC 60317-62:2020; EN IEC 60317-62:2020)

Specifications for particular types of winding wires – Part 62: Polyester glass-fibre wound, silicone resin or varnish impregnated, bare or enamelled rectangular copper wire, temperature index 200 (IEC 60317-62:2020; EN IEC 60317-62:2020)

- **treba biti**

HRN EN IEC 60317-62:2020

Specifikacije pojedinih vrsta žica za namote – **62. dio:** Nelakirana ili lakirana profilna bakrena žica omotana **poliesterskim staklenim vlaknima impregniranim** silikonskom smolom ili lakom, indeksa temperature 200 (IEC 60317-62:2020; EN IEC 60317-62:2020)

Specifications for particular types of winding wires – Part 62: Polyester glass-fibre wound, silicone resin or varnish impregnated, bare or enamelled rectangular copper wire, temperature index 200 (IEC 60317-62:2020; EN IEC 60317-62:2020)

- **umjesto**

HRN EN 60317-67:2017

Specifikacije pojedinih vrsta žica za namote – 67. dio: **Polivinil acetalom lakirana** profilna aluminijska žica, razreda 105 (IEC 60317-67:2017; EN 60317-67:2017)

Specifications for particular types of winding wires – Part 67: Polyvinyl acetal enamelled rectangular aluminium wire, class 105 (IEC 60317-67:2017; EN 60317-67:2017)

- **treba biti**

HRN EN 60317-67:2017

Specifikacije pojedinih vrsta žica za namote – 67. dio: Profilna aluminijska žica **lakirana polivinil acetalom**, razreda 105 (IEC 60317-67:2017; EN 60317-67:2017)

Specifications for particular types of winding wires – Part 67: Polyvinyl acetal enamelled rectangular aluminium wire, class 105 (IEC 60317-67:2017; EN 60317-67:2017)

- **umjesto**

HRN EN 60317-68:2017

Specifikacije pojedinih vrsta žica za namote – 68. dio: **Polivinil acetalom lakirana** profilna aluminijska žica, razreda 120 (IEC 60317-68:2017; EN 60317-68:2017)

Specifications for particular types of winding wires – Part 68: Polyvinyl acetal enamelled rectangular aluminium wire, class 120 (IEC 60317-68:2017; EN 60317-68:2017)

- **treba biti**

HRN EN 60317-68:2017

Specifikacije pojedinih vrsta žica za namote – 68. dio: Profilna aluminijska žica **lakirana polivinil acetalom**, razreda 120 (IEC 60317-68:2017; EN 60317-68:2017)

Specifications for particular types of winding wires – Part 68: Polyvinyl acetal enamelled rectangular aluminium wire, class 120 (IEC 60317-68:2017; EN 60317-68:2017)

- **umjesto**

HRN EN 60317-68:2017/A1:2019

Specifikacije pojedinih vrsta žica za namote – 68. dio: **Polivinil acetalom lakirana** profilna aluminijska žica, razreda 120 (IEC 60317-68:2017/am1:2019; EN 60317-68:2017/A1:2019)

Specifications for particular types of winding wires – Part 68: Polyvinyl acetal enamelled rectangular aluminium wire, class 120 (IEC 60317-68:2017/am1:2019; EN 60317-68:2017/A1:2019)

- **treba biti**

HRN EN 60317-68:2017/A1:2019

Specifikacije pojedinih vrsta žica za namote – 68. dio: Profilna aluminijska žica **lakirana polivinil acetalom**, razreda 120 (IEC 60317-68:2017/am1:2019; EN 60317-68:2017/A1:2019)

Specifications for particular types of winding wires – Part 68: Polyvinyl acetal enamelled rectangular aluminium wire, class 120 (IEC 60317-68:2017/am1:2019; EN 60317-68:2017/A1:2019)

- **umjesto**

HRN EN 60317-69:2017

Specifikacije pojedinih vrsta žica za namote – 69. dio: Poliestrom ili poliesterimidom lakirana, **prekrivena poliamid-imidom, profilna aluminijska žica**, razreda 220 (IEC 60317-69:2017; EN 60317-69:2017)

Specifications for particular types of winding wires – Part 69: Polyester or polyesterimide overcoated with polyamide-imide enamelled rectangular aluminium wire, class 220 (IEC 60317-69:2017; EN 60317-69:2017)

- **treba biti**

HRN EN 60317-69:2017

Specifikacije pojedinih vrsta žica za namote – 69. dio: Poliestrom ili poliesterimidom lakirana **profilna aluminijska žica, prekrivena poliamid-imidom**, razreda 220 (IEC 60317-69:2017; EN 60317-69:2017)

Specifications for particular types of winding wires – Part 69: Polyester or polyesterimide overcoated with polyamide-imide enamelled rectangular aluminium wire, class 220 (IEC 60317-69:2017; EN 60317-69:2017)

- **umjesto**

HRN EN IEC 60317-70-1:2020

Specifikacije pojedinih vrsta žica za namote – Dio 70-1: Nelakirana ili lakirana okrugla bakrena žica, omotana **staklenim, poliestrom povezanim vlaknima, bez lakiranja**, indeksa temperature 155 (IEC 60317-70-1:2020; EN IEC 60317-70-1:2020)

Specifications for particular types of winding wires – Part 70-1: Polyester glass-fibre wound unvarnished and fused, bare or enamelled round copper wire, temperature index 155 (IEC 60317-70-1:2020; EN IEC 60317-70-1:2020)

- **treba biti**

HRN EN IEC 60317-70-1:2020

Specifikacije pojedinih vrsta žica za namote – Dio 70-1: Nelakirana ili lakirana okrugla bakrena žica, omotana **i stopljena neimpregniranim poliesterskim staklenim vlaknima**, indeksa temperature 155 (IEC 60317-70-1:2020; EN IEC 60317-70-1:2020)

Specifications for particular types of winding wires – Part 70-1: Polyester glass-fibre wound unvarnished and fused, bare or enamelled round copper wire, temperature index 155 (IEC 60317-70-1:2020; EN IEC 60317-70-1:2020)

- **umjesto**

HRN EN IEC 60317-70-2:2020

Specifikacije pojedinih vrsta žica za namote – Dio 70-2: Nelakirana ili lakirana okrugla bakrena žica, omotana **staklenim, poliestrom povezanim vlaknima, impregnirana smolom/lakom**, indeksa temperature 155 (IEC 60317-70-2:2020; EN IEC 60317-70-2:2020)

Specifications for particular types of winding wires – Part 70-2: Polyester glass-fibre wound resin/varnish impregnated, bare or enamelled round copper wire, temperature index 155 (IEC 60317-70-2:2020; EN IEC 60317-70-2:2020)

- **treba biti**

HRN EN IEC 60317-70-2:2020

Specifikacije pojedinih vrsta žica za namote – Dio 70-2: Nelakirana ili lakirana okrugla bakrena žica, omotana **poliesterskim staklenim vlaknima impregniranim smolom/lakom**, indeksa temperature 155 (IEC 60317-70-2:2020; EN IEC 60317-70-2:2020)

Specifications for particular types of winding wires – Part 70-2: Polyester glass-fibre wound resin/varnish impregnated, bare or enamelled round copper wire, temperature index 155 (IEC 60317-70-2:2020; EN IEC 60317-70-2:2020)

- **umjesto**

HRN EN IEC 60317-71:2020

Specifikacije pojedinih vrsta žica za namote – 71. dio: Nelakirana ili lakirana okrugla bakrena žica omotana poliesterskim staklenim vlaknima, **impregnirana lakom ili smolom**, indeksa temperature 180 (IEC 60317-71:2020; EN IEC 60317-71:2020)

Specifications for particular types of winding wires – Part 71: Polyester glass-fibre wound and resin or varnish impregnated, bare or enamelled round copper wire, temperature index 180 (IEC 60317-71:2020; EN IEC 60317-71:2020)

- **treba biti**

HRN EN IEC 60317-71:2020

Specifikacije pojedinih vrsta žica za namote – 71. dio: Nelakirana ili lakirana okrugla bakrena žica, omotana poliesterskim staklenim vlaknima **impregniranim smolom ili lakom**, indeksa temperature 180 (IEC 60317-71:2020; EN IEC 60317-71:2020)

Specifications for particular types of winding wires – Part 71: Polyester glass-fibre wound and resin or varnish impregnated, bare or enamelled round copper wire, temperature index 180 (IEC 60317-71:2020; EN IEC 60317-71:2020)

- **umjesto**

HRN EN IEC 60317-72:2020

Specifikacije pojedinih vrsta žica za namote – 72. dio: Nelakirana ili lakirana okrugla bakrena žica omotana poliesterskim staklenim vlaknima, **impregnirana silikonskom smolom/lakom**, indeksa temperature 200 (IEC 60317-72:2020; EN IEC 60317-72:2020)

Specifications for particular types of winding wires – Part 72: Polyester glass-fibre wound silicone resin/varnish impregnated, bare or enamelled round copper wire, temperature index 200 (IEC 60317-72:2020; EN IEC 60317-72:2020)

- **treba biti**

HRN EN IEC 60317-72:2020

Specifikacije pojedinih vrsta žica za namote – 72. dio: Nelakirana ili lakirana okrugla bakrena žica, omotana poliesterskim staklenim vlaknima **impregniranim silikonskom smolom/lakom**, indeksa temperature 200 (IEC 60317-72:2020; EN IEC 60317-72:2020)

Specifications for particular types of winding wires – Part 72: Polyester glass-fibre wound silicone resin/varnish impregnated, bare or enamelled round copper wire, temperature index 200 (IEC 60317-72:2020; EN IEC 60317-72:2020)

- **umjesto**

HRN EN IEC 60317-73:2020

Specifikacije pojedinih vrsta žica za namote – 73. dio: **Profilna aluminijaska žica, presvučena poliestrom ili poliestrimidom, lakirana** poliamid-imidom, razreda 200 (IEC 60317-73:2018; EN IEC 60317-73:2018)

Specifications for particular types of winding wires – Part 73: Polyester or polyesterimide overcoated with polyamide-imide enamelled rectangular aluminium wire, class 200 (IEC 60317-73:2018; EN IEC 60317-73:2018)

- **treba biti**

HRN EN IEC 60317-73:2020

Specifikacije pojedinih vrsta žica za namote – 73. dio: **Poliesterom ili poliestrimidom lakirana profilna aluminijaska žica, prekrivena** poliamid-imidom, razreda 200 (IEC 60317-73:2018; EN IEC 60317-73:2018)

Specifications for particular types of winding wires – Part 73: Polyester or polyesterimide overcoated with polyamide-imide enamelled rectangular aluminium wire, class 200 (IEC 60317-73:2018; EN IEC 60317-73:2018)

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

- **umjesto**

HRN EN 61000-3-12:2012

Elektromagnetska kompatibilnost (EMC) – Dio 3-12: Granice – Granice za harmoničke struje koje stvara oprema priključena na javnu distribucijsku mrežu za ulazne struje > 16 A i ≤ 75 A (IEC 61000-3-12:2011; EN 61000-3-12:2011)

Electromagnetic compatibility (EMC) – Part 3-12: Limits – Limits for harmonic currents produced by equipment connected to public low-voltage systems with input current > 16 A and ≤ 75 A per phase (IEC 61000-3-12:2011; EN 61000-3-12:2011)

- **treba biti**

HRN EN 61000-3-12:2012

Elektromagnetska kompatibilnost (EMC) – Dio 3-12: Granice – Granice za harmoničke struje koje stvara oprema priključena na javnu **niskonaponsku** distribucijsku mrežu za ulazne struje > 16 A i ≤ 75 A po fazi (IEC 61000-3-12:2011; EN 61000-3-12:2011)

Electromagnetic compatibility (EMC) – Part 3-12: Limits – Limits for harmonic currents produced by equipment connected to public low-voltage systems with input current > 16 A and ≤ 75 A per phase (IEC 61000-3-12:2011; EN 61000-3-12:2011)

## 1.10 Prijevodi hrvatskih normativnih dokumenata

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

Sljedeće hrvatske norme objavljene na engleskome jeziku sada su dostupne i na hrvatskome i engleskome jeziku, kao dvojezično izdanje:

HRN EN 13480-5:2017 hr, en- en pr-pp  
Metalni industrijski cjevovodi – 5. dio: Pregled i ispitivanje (EN 13480-5:2017)  
Metallic industrial piping – Part 5: Inspection and testing (EN 13480-5:2017)

HRN EN 13480-5:2017/A1:2019 hr, en- en pr-pp  
Metalni industrijski cjevovodi – 5. dio: Pregled i ispitivanje (EN 13480-5:2017/A1:2019)  
Metallic industrial piping – Part 5: Inspection and testing (EN 13480-5:2017/A1:2019)

### **TO E76, *Sigurnost optičkoga zračenja i laserska oprema***

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

HRN EN 60601-2-57:2011 hr-en pr-pp  
Medicinska električna oprema – Dio 2-57: Posebni zahtjevi za temeljnu sigurnost i bitne značajke opreme sa svjetlosnim izvorima koji nisu laseri, a koja je namijenjena za uporabu u terapijske, dijagnostičke, promatračke i kozmetičko/estetske svrhe (IEC 60601-2-57:2011; EN 60601-2-57:2011)  
Medical electrical equipment – Part 2-57: Particular requirements for basic safety and essential performance of non-laser light source equipment intended for therapeutic, diagnostic, monitoring and cosmetic/aesthetic use (IEC 60601-2-57:2011; EN 60601-2-57:2011)

HRN EN 62471:2010 hr-en pr-pp  
Fotobiološka sigurnost lampi i sustava s lampama (IEC 62471:2006, MOD; EN 62471:2008)  
Photobiological safety of lamps and lamp systems (IEC 62471:2006, MOD; EN 62471:2008)

## 2 Rezultati međunarodne i europske normizacije

### Europska normizacija (CEN)

| Oznaka norme         | Naslov norme   | ICS                             | Datum objave |
|----------------------|--|---------------------------------|--------------|
| CEN-CENELEC Guide 29 | CEN and/or CENELEC Workshop Agreements – A rapid way to standardization  | 1.120                           | 2024-03      |
| EN 134               | Respiratory protective devices – Nomenclature of components  | 13.340.30                       | 2024-03      |
| EN 589               | Automotive fuels – LPG – Requirements and test methods   | 75.160.20                       | 2024-03      |
| EN 622-4             | Fibreboards – Specifications – Part 4: Requirements for softboards   | 79.060.20                       | 2024-03      |
| EN 747-1             | Furniture – Bunk beds and high beds – Part 1: Safety, strength and durability requirements   | 97.140                          | 2024-03      |
| EN 747-2             | Furniture – Bunk beds and high beds – Part 2: Test methods   | 97.140                          | 2024-03      |
| EN 813               | Personal fall protection equipment – Sit harnesses   | 13.340.60                       | 2024-03      |
| EN 1594              | Gas infrastructure – Pipelines for maximum operating pressure over 16 bar – Functional requirements  | 23.040.01; 75.200               | 2024-03      |
| EN 1991-1-2          | Eurocode 1 – Actions on structures – Part 1-2: Actions on structures exposed to fire   | 13.220.50; 91.010.30            | 2024-03      |
| EN 1993-1-2          | Eurocode 3 – Design of steel structures – Part 1-2: Structural fire design   | 13.220.50; 91.010.30; 91.080.13 | 2024-03      |
| EN 1993-1-3          | Eurocode 3 – Design of steel structures – Part 1-3: Cold-formed members and sheeting   | 91.010.30; 91.080.13            | 2024-03      |
| EN 1993-1-5          | Eurocode 3 – Design of steel structures – Part 1-5: Plated structural elements   | 91.010.30; 91.080.13            | 2024-03      |
| EN 1993-1-8          | Eurocode 3 – Design of steel structures – Part 1-8: Joints   | 91.010.30; 91.080.13            | 2024-03      |
| EN 1993-1-13         | Eurocode 3 – Design of steel structures – Part 1-13: Beams with large web openings   | 91.010.30; 91.080.13            | 2024-03      |
| EN 2939              | 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 | 49.030.20                       | 2024-03      |
| EN 2943              | Aerospace series – Insert, MJ and M screw threads, helical coil – Technical specification  | 49.030.30                       | 2024-03      |
| EN 9102              | Aerospace series – Quality systems – First article inspection requirements   | 03.120.10; 49.020               | 2024-03      |
| EN 10251             | Magnetic materials – Methods of determination of the geometrical characteristics of electrical steel sheet and strip   | 29.030; 77.140.50               | 2024-03      |
| EN 10348             | Steel for the reinforcement of concrete – Galvanized reinforcing steel products  | 77.140.15                       | 2024-03      |
| EN 12255-5           | Wastewater treatment plants – Part 5: Lagooning processes  | 13.060.30                       | 2024-03      |
| EN 12255-12          | Wastewater treatment plants – Part 12: Control and automation  | 13.060.30                       | 2024-03      |
| EN 12261             | Gas meters – Turbine gas meters  | 91.140.40                       | 2024-03      |
| EN 12814-7           | Testing of welded joints of thermoplastics semi-finished products – Part 7: Tensile test with waisted test specimens   | 25.160.40                       | 2024-03      |
| EN 12916             | Petroleum products – Determination of aromatic hydrocarbon types in middle distillates – High performance liquid chromatography method with refractive index detection                         | 75.080                          | 2024-03      |
| EN 13282-3           | Hydraulic road binders – Part 3: Assessment and verification of constancy of performance   | 93.080.20                       | 2024-03      |
| EN 13557             | Cranes – Control devices and control stations  | 53.020.20                       | 2024-03      |
| EN 13863-5           | Concrete pavements – Part 5: Determination of the bond stress of dowels to be used in concrete pavements   | 93.080.20                       | 2024-03      |
| EN 13863-6           | Concrete pavements – Part 6: Test method for the determination of the tensile strength of concrete on cylindrical discs  | 93.080.20                       | 2024-03      |
| EN 13880-5           | Hot applied joint sealants – Part 5: Test method for the determination of flow resistance  | 93.080.20                       | 2024-03      |
| EN 15091             | Sanitary tapware – Electronic opening and closing sanitary tapware   | 91.140.70                       | 2024-03      |



| Oznaka norme      | Naslov norme   | ICS                             | Datum objave |
|-------------------|--|---------------------------------|--------------|
| EN 15186          | Furniture – Assessment of the surface resistance to scratching   | 97.140                          | 2024-03      |
| EN 15466-1        | Primers for cold and hot applied joint sealants – Part 1: Determination of homogeneity   | 93.080.20                       | 2024-03      |
| EN 15466-2        | Primers for cold and hot applied joint sealants – Part 2: Determination of resistance against alkali   | 93.080.20                       | 2024-03      |
| EN 15466-3        | Primers for cold and hot applied joint sealants – Part 3: Determination of solids content and evaporation behaviour of volatiles   | 93.080.20                       | 2024-03      |
| EN 15941          | Sustainability of construction works – Data quality for environmental assessment of products and construction work – Selection and use of data   | 35.240.67; 91.010.99            | 2024-03      |
| EN 16005+A1       | Power operated pedestrian doorsets – Safety in use – Requirements and test methods   | 91.060.50                       | 2024-03      |
| EN 16207          | Railway applications – Braking – Functional and performance criteria of Magnetic Track Brake systems for use in railway rolling stock  | 45.040                          | 2024-03      |
| EN 16728+A2/AC    | LPG equipment and accessories – Transportable refillable LPG cylinders other than traditional welded and brazed steel cylinders – Periodic inspection                                  | 23.020.35                       | 2024-03      |
| EN 16941-1        | On-site non-potable water systems – Part 1: Systems for the use of rainwater   | 93.025                          | 2024-03      |
| EN 17430          | Chemical disinfectants and antiseptics – Hygienic handrub virucidal – Test method and requirements (phase 2/step 2)  | 11.080.20                       | 2024-03      |
| CEN/TS 17471      | Cranes – Loader cranes – Interface between loader cranes and work platforms  | 53.020.20                       | 2024-03      |
| EN 17841          | Chemical used for treatment of water intended for human consumption – Antifouling for membranes – Sulphamic acid   | 71.100.80                       | 2024-03      |
| EN 17854          | Antimicrobial wound dressings – Requirements and test method   | 11.120.20                       | 2024-03      |
| EN 17878-1        | District heating pipes – Factory made flexible pipe systems with a lower temperature profile – Part 1: Classification, general requirements and test methods                           | 23.040.07                       | 2024-03      |
| EN 17878-2        | District heating pipes – Factory made flexible pipe systems with a lower temperature profile – Part 2: Requirements and test methods for bonded systems with plastic service pipes     | 23.040.07                       | 2024-03      |
| EN 17878-3        | District heating pipes – Factory made flexible pipe systems with a lower temperature profile – Part 3: Requirements and test methods for non bonded systems with plastic service pipes | 23.040.07                       | 2024-03      |
| EN 17921          | Natural gas fuelling stations – LNG unloading connector  | 43.080.10; 75.200               | 2024-03      |
| EN 17922          | Natural gas fuelling stations – LNG unloading stop system  | 43.080.10; 75.200               | 2024-03      |
| EN 17925          | Soil improvers and growing media – Determination of temperature-time profiles during composting and digestion  | 65.080                          | 2024-03      |
| EN 17980          | Algae and algae products – Sampling – Guidelines for the definition of sampling programs and sampling protocols  | 13.020.55                       | 2024-03      |
| CEN/TS 18020      | Construction products: Assessment of release of dangerous substances – Sampling and quantitative determination of asbestos in construction products                                    | 13.300; 91.100.01               | 2024-03      |
| CEN/TR 18047      | Mechanical products – Order of magnitude of key environmental data   | 13.020.10                       | 2024-03      |
| CEN/TS 19100-4    | Design of glass structures – Part 4: Glass selection relating to the risk of human injury – Guidance for specification   | 81.040.20; 91.080.99            | 2024-03      |
| EN 45545-3        | Railway applications – Fire protection on railway vehicles – Part 3: Fire resistance requirements for fire barriers  | 13.220.20; 45.060.01            | 2024-03      |
| EN 45545-4        | Railway applications – Fire protection on railway vehicles – Part 4: Fire safety requirements for rolling stock design   | 13.220.20; 45.060.01            | 2024-03      |
| EN 50719          | Connecting terminal flags for bushings from 250 A to 4000 A for insulating liquid filled transformers  | 29.180                          | 2024-03      |
| EN IEC 60034-30-3 | Rotating electrical machines – Part 30-3: Efficiency classes of high voltage AC motors (IE-code) (IEC 60034-30-3:2024)   | 29.160.01; 29.160.10; 29.160.30 | 2024-03      |

| Oznaka norme       | Naslov norme   | ICS                                     | Datum objave |
|--------------------|--|---|--------------|
| EN 60061-3/A60     | Lamp caps and holders together with gauges for the control of interchangeability and safety – Part 3: Gauges (IEC 60061-3:1969/AMD60:2024)   | 29.140.10                               | 2024-03      |
| EN IEC 60068-2-86  | Environmental testing – Part 2-86: Tests – Test Fx: Vibration – Multi-exciter and multi-axis method (IEC 60068-2-86:2024)  | 19.040                                  | 2024-03      |
| EN IEC 60079-31    | Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure "t" (IEC 60079-31:2022 + COR1:2023)   | 29.260.20                               | 2024-03      |
| EN IEC 60352-9     | Solderless connections – Part 9: Ultrasonically welded connections – General requirements, test methods and practical guidance (IEC 60352-9:2024)  | 29.120.20; 31.220.10                    | 2024-03      |
| EN IEC 60794-1-311 | 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)          | 33.180.10                               | 2024-03      |
| EN IEC 60794-1-312 | Optical fibre cables – Part 1-312: Generic specification – Basic optical cable test procedures – Cable element test methods – Elongation test for buffer tubes at low temperature, Method G11B (IEC 60794-1-312:2024)              | 33.180.10                               | 2024-03      |
| EN IEC 60794-2-23  | 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)   | 33.180.10                               | 2024-03      |
| EN IEC 60794-2-24  | Optical fibre cables – Part 2-24: Indoor cables – Detail specification for multiple multi-fibre unit cables for use in MPO connector terminated breakout cable assemblies (IEC 60794-2-24:2024)                                    | 33.180.10                               | 2024-03      |
| EN IEC 60939-3     | Passive filter units for electromagnetic interference suppression – Part 3: Passive filter units for which safety tests are appropriate (IEC 60939-3:2024)   | 31.160                                  | 2024-03      |
| EN 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 Ω (Type SMB) (IEC 61169-10:2024) | 33.120.30                               | 2024-03      |
| EN IEC 61757-6-1   | Fibre optic sensors – Part 6-1: Displacement measurement – Displacement sensors based on fibre Bragg gratings (IEC 61757-6-1:2024)   | 33.180.99                               | 2024-03      |
| EN IEC 61970-302   | Energy management system application program interface (EMS-API) – Part 302: Common information model (CIM) dynamics (IEC 61970-302:2024)  | 33.040.20; 33.200; 35.240.99            | 2024-03      |
| EN IEC 61970-457   | Energy management system application program interface (EMS-API) – Part 457: Dynamics profile (IEC 61970-457:2024)   | 33.200; 35.240.50                       | 2024-03      |
| EN IEC 62282-6-101 | Fuel cell technologies – Part 6-101: Micro fuel cell power systems – Safety – General requirements (IEC 62282-6-101:2024)  | 27.070                                  | 2024-03      |
| EN IEC 62282-6-106 | Fuel cell technologies – Part 6-106: Micro fuel cell power systems – Safety – Indirect Class 8 (corrosive) compounds (IEC 62282-6-106:2024)  | 27.070                                  | 2024-03      |
| EN IEC 62561-7     | Lightning protection system components (LPSC) – Part 7: Requirements for earthing enhancing compounds (IEC 62561-7:2024)   | 29.020; 91.120.40                       | 2024-03      |
| EN IEC 62819/AC    | Live working – Eye, face and head protectors against the effects of electric arc – Performance requirements and test methods (IEC 62819:2022/COR1:2024)  | 13.260; 13.340.20; 29.240.99; 29.260.99 | 2024-03      |
| EN IEC 63086-2-1   | Household and similar electrical air cleaning appliances – Methods for measuring the performance – Part 2-1: Particular requirements for determination of reduction of particles (IEC 63086-2-1:2024)                              | 23.120                                  | 2024-03      |
| EN 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 (IEC 63118-1:2024)                                   | 29.220.20; 29.220.30                    | 2024-03      |
| EN IEC 63203-402-2 | Wearable electronic devices and technologies – Part 402-2: Performance measurement of fitness wearables – Step counting (IEC 63203-402-2:2024)   | 31.020; 31.080.99; 59.080.80            | 2024-03      |

| Oznaka norme         | Naslov norme  | ICS                  | Datum objave |
|----------------------|---|----------------------|--------------|
| EN IEC 63281-2-1     | E-Transporters – Part 2-1: Safety requirements and test methods for personal e-Transporters (IEC 63281-2-1:2024)  | 43.120               | 2024-03      |
| EN IEC 63403-1       | Horticultural lighting – LED packages for horticultural lighting – Part 1: Specification sheet (IEC 63403-1:2024)   | 29.140.99            | 2024-03      |
| EN IEC 63403-2       | Horticultural lighting – LED packages for horticultural lighting – Part 2: Binning (IEC 63403-2:2024)   | 29.140.99            | 2024-03      |
| EN IEC 80601-2-26/A1 | Medical electrical equipment – Part 2-26: Particular requirements for the basic safety and essential performance of electroencephalographs (IEC 80601-2-26:2019/AMD1:2024)  | 11.040.01; 11.040.55 | 2024-03      |
| EN ISO 105-B04       | Textiles – Tests for colour fastness – Part B04: Colour fastness to artificial weathering: Xenon arc fading lamp test (ISO 105-B04:2024)  | 59.080.01            | 2024-03      |
| EN ISO 3451-4        | Plastics – Determination of ash – Part 4: Polyamides (ISO 3451-4:2024)  | 83.080.20            | 2024-03      |
| EN ISO 3834-6        | Quality requirements for fusion welding of metallic materials – Part 6: Guidelines on implementing ISO 3834 series (ISO 3834-6:2024)  | 25.160.01            | 2024-03      |
| EN ISO 4172          | Technical product documentation (TPD) – Construction documentation – Drawings for the assembly of prefabricated structures (ISO 4172:2024)  | 01.100.30            | 2024-03      |
| EN ISO 4628-10       | 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)                           | 87.040               | 2024-03      |
| EN ISO 5365          | Dentistry – Designation system for tooth development stages (ISO 5365:2024)   | 11.060.01            | 2024-03      |
| EN ISO 7519          | Technical product documentation (TPD) – Construction documentation – General principles of presentation for general arrangement and assembly drawings (ISO 7519:2024)   | 01.100.30            | 2024-03      |
| EN ISO 8233          | Thermoplastics valves – Torque – Test method (ISO 8233:2024)  | 23.060.01; 83.140.30 | 2024-03      |
| EN ISO 9692-2        | Welding and allied processes – Joint preparation – Part 2: Submerged arc welding of steels (ISO 9692-2:2024)  | 25.160.10; 25.160.40 | 2024-03      |
| EN ISO 10394         | Dentistry – Designation system for supernumerary teeth (ISO 10394:2023)   | 11.060.01            | 2024-03      |
| EN ISO 12185         | Crude petroleum, petroleum products and related products – Determination of density – Laboratory density meter with an oscillating U tube sensor (ISO 12185:2024)   | 75.180.30            | 2024-03      |
| EN ISO 12813         | Electronic fee collection – Compliance check communication for autonomous systems (ISO 12813:2024)  | 03.220.20; 35.240.60 | 2024-03      |
| EN ISO 13141         | Electronic fee collection – Localization augmentation communication for autonomous systems (ISO 13141:2024)   | 03.220.20; 35.240.60 | 2024-03      |
| EN ISO 13702         | Oil and gas industries – Control and mitigation of fires and explosions on offshore production installations – Requirements and guidelines (ISO 13702:2024)   | 13.220.01; 75.180.10 | 2024-03      |
| EN ISO 15002         | Flow control devices for connection to a medical gas supply system (ISO 15002:2023)   | 11.040.10            | 2024-03      |
| EN ISO/IEC 15421     | Information technology – Automatic identification and data capture techniques – Bar code master test specifications (ISO/IEC 15421:2010)  | 35.040.50            | 2024-03      |
| EN ISO 15610         | Specification and qualification of welding procedures for metallic materials – Qualification based on tested welding consumables (ISO 15610:2024)   | 25.160.10            | 2024-03      |
| EN ISO 16000-9       | Indoor air – Part 9: Determination of the emission of volatile organic compounds from samples of building products and furnishing – Emission test chamber method (ISO 16000-9:2024)                                     | 13.040.20            | 2024-03      |
| EN ISO 16000-11      | 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) | 13.040.20            | 2024-03      |

| Oznaka norme       | Naslov norme   | ICS                             | Datum objave |
|--------------------|--|---------------------------------|--------------|
| EN ISO 16032       | Acoustics – Measurement of sound pressure level from service equipment or activities in buildings – Engineering method (ISO 16032:2024)  | 17.140.20; 91.120.20; 91.140.01 | 2024-03      |
| EN ISO 20916       | In vitro diagnostic medical devices – Clinical performance studies using specimens from human subjects – Good study practice (ISO 20916:2019)  | 11.100.10                       | 2024-03      |
| EN ISO 21177       | Intelligent transport systems – ITS station security services for secure session establishment and authentication between trusted devices (ISO 21177:2024)   | 03.220.01; 35.030; 35.240.60    | 2024-03      |
| EN ISO 22007-1     | Plastics – Determination of thermal conductivity and thermal diffusivity – Part 1: General principles (ISO 22007-1:2024)   | 83.080.01                       | 2024-03      |
| EN ISO 22074-1     | Railway infrastructure – Rail fastening systems – Part 1: Vocabulary (ISO 22074-1:2020)  | 01.040.45; 45.080               | 2024-03      |
| EN ISO 22074-2     | Railway infrastructure – Rail fastening systems – Part 2: Test method for longitudinal rail restraint (ISO 22074-2:2021)   | 45.080                          | 2024-03      |
| EN ISO 22074-3     | Railway infrastructure – Rail fastening systems – Part 3: Proof load test method for pull-out resistance (ISO 22074-3:2021)  | 45.080                          | 2024-03      |
| EN ISO 22074-4     | Railway infrastructure – Rail fastening systems – Part 4: Test methods for resistance to repeated loading (ISO 22074-4:2022)   | 45.080                          | 2024-03      |
| EN ISO 22074-5     | Railway infrastructure – Rail fastening systems – Part 5: Test method for electrical resistance (ISO 22074-5:2021)   | 45.080                          | 2024-03      |
| EN ISO 22074-6     | Railway infrastructure – Rail fastening systems – Part 6: Test method for resistance to severe environmental conditions (ISO 22074-6:2021)   | 45.080                          | 2024-03      |
| EN ISO 22074-7     | Railway infrastructure – Rail fastening systems – Part 7: Test method for clamping force and uplift stiffness (ISO 22074-7:2021)   | 45.080                          | 2024-03      |
| EN ISO 22074-8     | Railway infrastructure – Rail fastening systems – Part 8: Test method for vertical stiffness (ISO 22074-8:2022)  | 45.080                          | 2024-03      |
| EN ISO 24194/A1    | Solar energy – Collector fields – Check of performance – Amendment 1 (ISO 24194:2022/Amd 1:2024)   | 27.160                          | 2024-03      |
| EN ISO 24807       | Recreational diving services – Requirements for rebreather diver training – Decompression diving to 100 m (ISO 24807:2023)   | 03.080.30; 03.100.30; 03.200.99 | 2024-03      |
| EN ISO/IEC 27006-1 | Information security, cybersecurity and privacy protection – Requirements for bodies providing audit and certification of information security management systems – Part 1: General (ISO/IEC 27006-1:2024) | 03.120.20; 35.030               | 2024-03      |
| EN ISO 41017       | Facility management – Guidance on emergency preparedness and management of an epidemic (ISO 41017:2024)  | 03.080.10                       | 2024-03      |
| EN ISO/ASTM 52909  | Additive manufacturing of metals – Finished part properties – Orientation and location dependence of mechanical properties for metal parts (ISO/ASTM 52909:2024)   | 25.030                          | 2024-03      |
| EN ISO/ASTM 52933  | 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)     | 13.040.30; 13.100; 25.030       | 2024-03      |

## Europska normizacija (CENELEC)

| Oznaka norme         | Naslov norme   | ICS                                     | Datum objave |
|----------------------|--|---|--------------|
| CEN-CENELEC Guide 29 | CEN and/or CENELEC Workshop Agreements – A rapid way to standardization  | 1.120                                   | 2024-03      |
| EN 50719             | Connecting terminal flags for bushings from 250 A to 4000 A for insulating liquid filled transformers  | 29.180                                  | 2024-03      |
| EN IEC 60034-30-3    | Rotating electrical machines – Part 30-3: Efficiency classes of high voltage AC motors (IE-code) (IEC 60034-30-3:2024)   | 29.160.01; 29.160.10; 29.160.30         | 2024-03      |
| EN 60061-3/A60       | Lamp caps and holders together with gauges for the control of interchangeability and safety – Part 3: Gauges (IEC 60061-3:1969/AMD60:2024)   | 29.140.10                               | 2024-03      |
| EN IEC 60068-2-86    | Environmental testing – Part 2-86: Tests – Test Fx: Vibration – Multi-exciter and multi-axis method (IEC 60068-2-86:2024)  | 19.040                                  | 2024-03      |
| EN IEC 60079-31      | Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure "t" (IEC 60079-31:2022 + COR1:2023)   | 29.260.20                               | 2024-03      |
| EN IEC 60352-9       | Solderless connections – Part 9: Ultrasonically welded connections – General requirements, test methods and practical guidance (IEC 60352-9:2024)  | 29.120.20; 31.220.10                    | 2024-03      |
| EN IEC 60794-1-311   | 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)          | 33.180.10                               | 2024-03      |
| EN IEC 60794-1-312   | Optical fibre cables – Part 1-312: Generic specification – Basic optical cable test procedures – Cable element test methods – Elongation test for buffer tubes at low temperature, Method G11B (IEC 60794-1-312:2024)              | 33.180.10                               | 2024-03      |
| EN IEC 60794-2-23    | 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)   | 33.180.10                               | 2024-03      |
| EN IEC 60794-2-24    | Optical fibre cables – Part 2-24: Indoor cables – Detail specification for multiple multi-fibre unit cables for use in MPO connector terminated breakout cable assemblies (IEC 60794-2-24:2024)                                    | 33.180.10                               | 2024-03      |
| EN IEC 60939-3       | Passive filter units for electromagnetic interference suppression – Part 3: Passive filter units for which safety tests are appropriate (IEC 60939-3:2024)   | 31.160                                  | 2024-03      |
| EN 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 Ω (Type SMB) (IEC 61169-10:2024) | 33.120.30                               | 2024-03      |
| EN IEC 61757-6-1     | Fibre optic sensors – Part 6-1: Displacement measurement – Displacement sensors based on fibre Bragg gratings (IEC 61757-6-1:2024)   | 33.180.99                               | 2024-03      |
| EN IEC 61970-302     | Energy management system application program interface (EMS-API) – Part 302: Common information model (CIM) dynamics (IEC 61970-302:2024)  | 33.040.20; 33.200; 35.240.99            | 2024-03      |
| EN IEC 61970-457     | Energy management system application program interface (EMS-API) – Part 457: Dynamics profile (IEC 61970-457:2024)   | 33.200; 35.240.50                       | 2024-03      |
| EN IEC 62282-6-101   | Fuel cell technologies – Part 6-101: Micro fuel cell power systems – Safety – General requirements (IEC 62282-6-101:2024)  | 27.070                                  | 2024-03      |
| EN IEC 62282-6-106   | Fuel cell technologies – Part 6-106: Micro fuel cell power systems – Safety – Indirect Class 8 (corrosive) compounds (IEC 62282-6-106:2024)  | 27.070                                  | 2024-03      |
| EN IEC 62561-7       | Lightning protection system components (LPSC) – Part 7: Requirements for earthing enhancing compounds (IEC 62561-7:2024)   | 29.020; 91.120.40                       | 2024-03      |
| EN IEC 62819/AC      | Live working – Eye, face and head protectors against the effects of electric arc – Performance requirements and test methods (IEC 62819:2022/COR1:2024)  | 13.260; 13.340.20; 29.240.99; 29.260.99 | 2024-03      |
| EN IEC 63086-2-1     | Household and similar electrical air cleaning appliances – Methods for measuring the performance – Part 2-1: Particular requirements for determination of reduction of particles (IEC 63086-2-1:2024)                              | 23.120                                  | 2024-03      |

| Oznaka norme         | Naslov norme   | ICS                          | Datum objave |
|----------------------|--|------------------------------|--------------|
| EN 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 (IEC 63118-1:2024)           | 29.220.20; 29.220.30         | 2024-03      |
| EN IEC 63203-402-2   | Wearable electronic devices and technologies – Part 402-2: Performance measurement of fitness wearables – Step counting (IEC 63203-402-2:2024)   | 31.020; 31.080.99; 59.080.80 | 2024-03      |
| EN IEC 63281-2-1     | E-Transporters – Part 2-1: Safety requirements and test methods for personal e-Transporters (IEC 63281-2-1:2024)   | 43.120                       | 2024-03      |
| EN IEC 63403-1       | Horticultural lighting – LED packages for horticultural lighting – Part 1: Specification sheet (IEC 63403-1:2024)  | 29.140.99                    | 2024-03      |
| EN IEC 63403-2       | Horticultural lighting – LED packages for horticultural lighting – Part 2: Binning (IEC 63403-2:2024)  | 29.140.99                    | 2024-03      |
| EN IEC 80601-2-26/A1 | Medical electrical equipment – Part 2-26: Particular requirements for the basic safety and essential performance of electroencephalographs (IEC 80601-2-26:2019/AMD1:2024)                                 | 11.040.01; 11.040.55         | 2024-03      |
| EN ISO/IEC 27006-1   | Information security, cybersecurity and privacy protection – Requirements for bodies providing audit and certification of information security management systems – Part 1: General (ISO/IEC 27006-1:2024) | 03.120.20; 35.030            | 2024-03      |

## Europska normizacija (ETSI)

| Oznaka norme              | Naslov norme  | ICS                  | Datum objave |
|---------------------------|---|----------------------|--------------|
| ETSI TS 102232-5 V 3.20.1 | Lawful Interception (LI) – Handover Interface and Service-Specific Details (SSD) for IP delivery – Part 5: Service-specific details for IP Multimedia services  | 33.040.35            | 2024-03      |
| ETSI TS 102657 V 2.3.1    | Lawful Interception (LI) – Retained data handling – Handover interface for the request and delivery of retained data  | 33.040.35            | 2024-03      |
| ETSI TS 102694-2 V 10.5.0 | Smart Cards – Test specification for the Single Wire Protocol (SWP) interface – Part 2: UICC features (Release 10)  | 35.240.15            | 2024-03      |
| ETSI TS 102694-2 V 11.1.0 | Smart Cards – Test specification for the Single Wire Protocol (SWP) interface – Part 2: UICC features (Release 11)  | 35.240.15            | 2024-03      |
| ETSI TS 102694-2 V 12.1.0 | Smart Cards – Test specification for the Single Wire Protocol (SWP) interface – Part 2: UICC features (Release 12)  | 35.240.15            | 2024-03      |
| ETSI TS 103248 V 2.3.1    | Intelligent Transport Systems (ITS) – GeoNetworking – Port Numbers for the Basic Transport Protocol (BTP) – Release 2   | 35.240.60            | 2024-03      |
| ETSI TS 103486 V 1.1.1    | CYBER – Identity Management and Discovery for IoT   | 33.040.99; 35.030    | 2024-03      |
| ETSI TS 103601 V 2.1.1    | Intelligent Transport Systems (ITS) – Security – Security management messages communication requirements and distribution protocols – Release 2   | 35.240.60            | 2024-03      |
| ETSI TS 103606 V 1.2.1    | Hybrid Broadcast Broadband Television – Operator Applications   | 33.170               | 2024-03      |
| ETSI TS 103624 V 1.3.1    | Characterization Methodology and Requirement Specifications for the ETSI LC3plus speech codec   | 33.040.01            | 2024-03      |
| ETSI TS 103636-1 V 1.5.1  | DECT-2020 New Radio (NR) – Part 1: Overview – Release 1   | 33.070.30            | 2024-03      |
| ETSI TS 103636-2 V 1.5.1  | DECT-2020 New Radio (NR) – Part 2: Radio reception and transmission requirements – Release 1  | 33.070.30            | 2024-03      |
| ETSI TS 103636-3 V 1.5.1  | DECT-2020 New Radio (NR) – Part 3: Physical layer – Release 1   | 33.070.30            | 2024-03      |
| ETSI TS 103636-4 V 1.5.1  | DECT-2020 New Radio (NR) – Part 4: MAC layer – Release 1  | 33.070.30            | 2024-03      |
| ETSI TS 103636-5 V 1.5.1  | DECT-2020 New Radio (NR) – Part 5: DLC and Convergence layers – Release 1   | 33.070.30            | 2024-03      |
| ETSI TS 103795-1 V 1.1.1  | Core Network and Interoperability Testing (INT) – Network Interoperability Test Description for emergency services over VoLTE (3GPP Release 15) – Part 1: Test Purposes   | 33.040.99            | 2024-03      |
| ETSI TS 103795-2 V 1.1.1  | Core Network and Interoperability Testing (INT) – Network Interoperability Test Description for emergency services over VoLTE (3GPP Release 15) – Part 2: Test Descriptions   | 33.040.99            | 2024-03      |
| ETSI TS 103795-3 V 1.1.1  | Core Network and Interoperability Testing (INT) – Network Interoperability Test Description for emergency services over VoLTE (3GPP Release 15) – Part 3: Abstract Test Suite (ATS) and partial Protocol Implementation eXtra Information for Testing (PIXIT) pro forma specification | 33.040.99            | 2024-03      |
| ETSI TS 103828 V 1.1.1    | SmartM2M – SAREF: Ontology Support for Urban Digital Twins and usage guidelines   | 33.200               | 2024-03      |
| ETSI TR 103990 V 1.1.1    | Cyber Security (CYBER) – Standards mapping and gap analysis against regulatory expectations   | 33.040.99; 35.030    | 2024-03      |
| ETSI TS 103994-1 V 1.1.1  | Cyber Security (CYBER) – Privileged Access Workstations – Part 1: Physical Device   | 33.040.99; 35.030    | 2024-03      |
| ETSI TS 136133 V 15.21.1  | LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Requirements for support of radio resource management (3GPP TS 36.133 version 15.21.1 Release 15)   | 33.070.50; 33.070.99 | 2024-03      |
| ETSI TS 136133 V 17.12.1  | LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Requirements for support of radio resource management (3GPP TS 36.133 version 17.12.1 Release 17)   | 33.070.50; 33.070.99 | 2024-03      |
| ETSI ES 203682 V 1.2.1    | Environmental Engineering (EE) – Green Abstraction Layer (GAL) – Power management capabilities of the future energy telecommunication fixed network nodes – Enhanced Interface for power management in Network Functions Virtualisation (NFV) environments                            | 33.040.01            | 2024-03      |
| ETSI GS CIM 006 V 1.3.1   | Context Information Management (CIM) – NGSI-LD Information Model  | 35.080; 35.240.01    | 2024-03      |
| ETSI GS CIM 009 V 1.8.1   | Context Information Management (CIM) – NGSI-LD API  | 35.240.01            | 2024-03      |

| Oznaka norme            | Naslov norme   | ICS                  | Datum objave |
|-------------------------|--|----------------------|--------------|
| ETSI GS ENI 030 V 4.1.1 | Experiential Networked Intelligence (ENI) – Transformer Architecture for Policy Translation  | 35.240.01            | 2024-03      |
| ETSI GS F5G 015 V 1.2.1 | Fifth Generation Fixed Network (F5G) – F5G Residential Services Quality Evaluation and Classification Release 2  | 33.070.99; 35.110    | 2024-03      |
| ETSI GR MEC 041 V 3.1.1 | Multi-access Edge Computing (MEC) – Study on MEC Security  | 33.070.99; 35.030    | 2024-03      |
| ETSI GR NFV 007 V 4.5.1 | Network Functions Virtualisation (NFV) Release 4 – Release Description – Release 4 Edition 4.5.1   | 33.040.40; 35.110    | 2024-03      |
| ETSI GR THz 002 V 1.1.1 | TeraHertz technology (THz) – Identification of frequency bands of interest for THz communication systems   | 33.020               | 2024-03      |
| ETSI GS MEC 016 V 3.1.1 | Multi-access Edge Computing (MEC) – Device application interface   | 33.070.99            | 2024-03      |
| ETSI GS MEC 040 V 3.2.1 | Multi-access Edge Computing (MEC) – Federation enablement APIs   | 33.070.99            | 2024-03      |
| ETSI GS MEC 045 V 3.1.1 | Multi-access Edge Computing (MEC) – QoS Measurement API  | 33.070.99            | 2024-03      |
| ETSI GS PDL 022 V 1.1.1 | Permissioned Distributed Ledgers (PDL) – PDL in Wholesale Supply Chain Management  | 03.100.10; 35.240.99 | 2024-03      |
| ETSI GS ZSM 014 V 1.1.1 | Zero-touch network and Service Management (ZSM) – ZSM security aspects   | 33.040.40; 35.030    | 2024-03      |
| EN 300338-6 V 1.3.1     | Technical characteristics and methods of measurement for equipment for generation, transmission and reception of Digital Selective Calling (DSC) in the maritime MF, MF/HF and/or VHF mobile service – Part 6: Class M DSC | 33.060.20; 47.020.70 | 2024-03      |



## Međunarodna normizacija (ISO)

| Oznaka norme               | Naslov norme  | ICS                          | Datum objave |
|----------------------------|---|------------------------------|--------------|
| IEC 80601-2-58             | Medical electrical equipment – Part 2-58: Particular requirements for the basic safety and essential performance of lens removal devices and vitrectomy devices for ophthalmic surgery                  | 11.040.70                    | 2024-03      |
| IEC 80601-2-78 AMD 1       | Medical electrical equipment – Part 2-78: Particular requirements for basic safety and essential performance of medical robots for rehabilitation, assessment, compensation or alleviation; Amendment 1 | 11.040.01; 11.040.60         | 2024-03      |
| IEC 80601-2-78 Edition 1.1 | Medical electrical equipment – Part 2-78: Particular requirements for basic safety and essential performance of medical robots for rehabilitation, assessment, compensation or alleviation              | 11.040.01; 11.040.60         | 2024-03      |
| ISO/IEC TR 30194           | Internet of Things (IoT) and digital twin – Best practices for use case projects  | 35.240.95                    | 2024-03      |
| ISO/IEC TR 30196           | Internet of Things (IoT) – IoT applications for natural gas distribution system   | 35.240.95; 75.200            | 2024-03      |
| ISO 105-B04                | Textiles – Tests for colour fastness – Part B04: Colour fastness to artificial weathering: Xenon arc fading lamp test   | 59.080.01                    | 2024-03      |
| ISO 687                    | Coke – Determination of moisture in the general analysis test sample  | 75.160.10                    | 2024-03      |
| ISO 1817                   | Rubber, vulcanized or thermoplastic – Determination of the effect of liquids  | 83.060                       | 2024-03      |
| ISO 2469                   | Paper, board and pulps – Measurement of diffuse radiance factor (diffuse reflectance factor)  | 85.040; 85.060               | 2024-03      |
| ISO 2620                   | Analysis of natural gas – Biomethane – Determination of VOCs by thermal desorption gas chromatography with flame ionization and/or mass spectrometry detectors  | 75.060                       | 2024-03      |
| ISO 3164 AMD 1             | Earth-moving machinery – Laboratory evaluations of protective structures – Specifications for deflection-limiting volume – Amendment 1  | 53.100                       | 2024-03      |
| ISO 3384-1                 | Rubber, vulcanized or thermoplastic – Determination of stress relaxation in compression – Part 1: Testing at constant temperature   | 83.060                       | 2024-03      |
| ISO 4000-1                 | Passenger car tyres and rims – Part 1: Tyres (metric series)  | 83.160.10                    | 2024-03      |
| ISO 4126-10                | Safety devices for protection against excessive pressure – Part 10: Sizing of safety valves and bursting discs for gas/liquid two-phase flow  | 13.240                       | 2024-03      |
| ISO 4172                   | Technical product documentation (TPD) – Construction documentation – Drawings for the assembly of prefabricated structures  | 01.100.30                    | 2024-03      |
| ISO 4628-10                | 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                              | 87.040                       | 2024-03      |
| ISO 4917-4                 | Design of nuclear power plants against seismic events – Part 4: Components  | 27.120.20; 91.120.25         | 2024-03      |
| ISO/IEC 4922-2             | Information security – Secure multiparty computation – Part 2: Mechanisms based on secret sharing   | 35.030                       | 2024-03      |
| ISO/TS 4958                | Nanotechnologies – Vocabulary – Liposomes   | 01.040.07; 07.120            | 2024-03      |
| ISO 4993                   | Steel and iron castings – Radiographic testing  | 77.040.20; 77.140.80         | 2024-03      |
| ISO/IEC 5153-1             | Information technology – City service platform for public health emergencies – Part 1: Overview and general requirements  | 13.020.20; 35.240.99         | 2024-03      |
| ISO 5365                   | Dentistry – Designation system for tooth developmental stages   | 11.060.01                    | 2024-03      |
| ISO/IEC 5392               | Information technology – Artificial intelligence – Reference architecture of knowledge engineering  | 35.020                       | 2024-03      |
| ISO 5411                   | Ships and marine technology – Submersibles – Vocabulary   | 01.040.47; 47.020.01         | 2024-03      |
| ISO 5644                   | Porcelain Tableware – Specification and test method   | 67.250; 81.060.20; 97.040.60 | 2024-03      |

| Oznaka norme   | Naslov norme   | ICS                  | Datum objave |
|----------------|--|----------------------|--------------|
| ISO 5667-3     | Water quality – Sampling – Part 3: Preservation and handling of water samples  | 13.060.45            | 2024-03      |
| ISO 5735-1     | Railway infrastructure – Non-destructive testing on rails in track – Part 1: Requirements for ultrasonic testing and evaluation principles   | 19.100; 45.080       | 2024-03      |
| ISO 5832-11    | Implants for surgery – Metallic materials – Part 11: Wrought titanium 6-aluminium 7-niobium alloy  | 11.040.40            | 2024-03      |
| ISO 6021       | Firebrand generator  | 13.220.01            | 2024-03      |
| ISO 6273       | Assistive products – Accessibility guidelines and requirements to survey the needs of persons with sensory disabilities for assistive products and services                          | 11.180.01; 13.180    | 2024-03      |
| ISO 6996       | Bunkering – Meter verification using master Coriolis mass flow meter   | 75.180.30            | 2024-03      |
| ISO 7029 AMD 1 | Acoustics – Statistical distribution of hearing thresholds related to age and gender – Amendment 1: Correction of parameter values for estimating the hearing threshold distribution | 13.140               | 2024-03      |
| ISO/TS 7344    | Short-range wireless sensor to device communication  | 55.180.10            | 2024-03      |
| ISO 7383-1     | Fine bubble technology – Evaluation method for determining gas content in fine bubble dispersions in water – Part 1: Oxygen content  | 7.030                | 2024-03      |
| ISO 7448       | Machinery for forestry – Machine-fed woody biomass reduction chippers, grinders, and shredders – Vocabulary  | 01.040.65; 65.060.80 | 2024-03      |
| ISO 7519       | Technical product documentation (TPD) – Construction documentation – General principles of presentation for general arrangement and assembly drawings                                | 01.100.30            | 2024-03      |
| ISO 7681       | Natural rubber field latex – Determination of dry rubber content   | 83.040.10            | 2024-03      |
| ISO 8000-114   | Data quality – Part 114: Master data: Application of ISO/IEC 21778 and ISO 8000-115 to portable data   | 25.040.40            | 2024-03      |
| ISO 8060       | Composites and reinforcements fibres – Carbon fibre reinforced plastics (CFRPs) and metal assemblies – Characterization of durability of adhesive interfaces by wedge rupture test   | 83.120               | 2024-03      |
| ISO 8071       | Traditional Chinese medicine – Ligusticum chuanxiong rhizome   | 11.120.10            | 2024-03      |
| ISO 8233       | Thermoplastics valves – Torque – Test method   | 23.060.01; 83.140.30 | 2024-03      |
| ISO 8362-2     | Injection containers and accessories – Part 2: Closures for injection vials  | 11.040.20            | 2024-03      |
| ISO 8371       | Iron ores for blast furnace feedstocks – Determination of the decrepitation index  | 73.060.10            | 2024-03      |
| ISO 8575       | Aerospace series – Fluid systems – Hydraulic system tubing   | 49.080               | 2024-03      |
| ISO 8605       | Fibre-reinforced plastics – Sheet moulding compound (SMC) – Requirements and specifications  | 83.120               | 2024-03      |
| ISO 9241-115   | Ergonomics of human-system interaction – Part 115: Guidance on conceptual design, user-system interaction design, user interface design and navigation design                        | 13.180               | 2024-03      |
| ISO 10928      | Plastics piping systems – Glass-reinforced thermosetting plastics (GRP) pipes and fittings – Methods for regression analysis and their use   | 23.040.20; 23.040.45 | 2024-03      |
| ISO 11669      | Translation projects – General guidance  | 1.020                | 2024-03      |
| ISO 11898-2    | Road vehicles – Controller area network (CAN) – Part 2: High-speed physical medium attachment (PMA) sublayer   | 43.040.15            | 2024-03      |
| ISO 12185      | Crude petroleum, petroleum products and related products – Determination of density – Laboratory density meter with an oscillating U-tube sensor                                     | 75.080               | 2024-03      |
| ISO 12808      | Hardware for furniture – Strength and durability of extension elements and their components  | 97.140               | 2024-03      |
| ISO 13100      | Methods for zeta potential determination – Streaming potential and streaming current methods for porous materials  | 19.120               | 2024-03      |

| Oznaka norme       | Naslov norme  | ICS                             | Datum objave |
|--------------------|---|---------------------------------|--------------|
| ISO 13702          | Oil and gas industries – Control and mitigation of fires and explosions on offshore production installations – Requirements and guidelines  | 75.180.10                       | 2024-03      |
| ISO 14289-2        | Document management applications – Electronic document file format enhancement for accessibility – Part 2: Use of ISO 32000-2 (PDF/UA-2)  | 35.240.30; 37.100.99            | 2024-03      |
| ISO 14953          | Space systems – Structural design – Determination of loading levels for static qualification testing of launch vehicles   | 49.140                          | 2024-03      |
| ISO/IEC 15067-3-30 | Information technology – Home Electronic System (HES) application model – Part 3-30: Energy management agent functional requirements and interfaces   | 35.200                          | 2024-03      |
| ISO/IEC 15067-3-31 | Information technology – Home Electronic System (HES) application model – Part 3-31: Protocol of energy management agents for demand-response energy management and interactions among these agents | 35.200                          | 2024-03      |
| ISO 15610          | Specification and qualification of welding procedures for metallic materials – Qualification based on tested welding consumables  | 25.160.10                       | 2024-03      |
| ISO 15638-25       | Intelligent transport systems – Framework for collaborative telematics applications for regulated commercial freight vehicles (TARV) – Part 25: Overhead clearance monitoring                       | 03.220.20; 35.240.60            | 2024-03      |
| ISO 16000-9        | Indoor air – Part 9: Determination of the emission of volatile organic compounds from samples of building products and furnishing – Emission test chamber method                                    | 13.040.20                       | 2024-03      |
| ISO 16000-11       | 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 | 13.040.20                       | 2024-03      |
| ISO 16021          | Absorbent incontinence products for urine and/or faeces – Basic principles for evaluation of single-use adult products from the perspective of users and caregivers                                 | 11.180.20                       | 2024-03      |
| ISO 16053-2        | Paints and varnishes – Coating materials and coating systems for exterior wood – Part 2: Exposure of wood coatings to artificial weathering using fluorescent UV lamps and water                    | 87.040                          | 2024-03      |
| ISO 16132          | Ductile iron pipes and fittings – Seal coats for cement mortar linings  | 23.040.10; 77.140.75            | 2024-03      |
| ISO 16311-2        | Maintenance and repair of concrete structures – Part 2: Assessment of existing concrete structures  | 91.100.30                       | 2024-03      |
| ISO 16311-3        | Maintenance and repair of concrete structures – Part 3: Design of repairs   | 91.100.30                       | 2024-03      |
| ISO 16311-4        | Maintenance and repair of concrete structures – Part 4: Execution of repairs  | 91.100.30                       | 2024-03      |
| ISO 16400-3        | Automation systems and integration – Equipment behaviour catalogues for virtual production system – Part 3: Requirements and recommendations for construction of an equipment instance model        | 25.040.01                       | 2024-03      |
| ISO 16454          | Space systems – Structural design – Stress analysis requirements  | 49.140                          | 2024-03      |
| ISO 16571          | Systems for evacuation of plume generated by medical devices  | 11.040.10                       | 2024-03      |
| ISO 16739-1        | Industry Foundation Classes (IFC) for data sharing in the construction and facility management industries – Part 1: Data schema   | 25.040.40                       | 2024-03      |
| ISO 17273          | Waste management and reduction from aquaculture facilities in natural water bodies – Principles and guidelines  | 13.020.40; 13.030.99; 13.060.01 | 2024-03      |
| ISO 17294-1        | Water quality – Application of inductively coupled plasma mass spectrometry (ICP-MS) – Part 1: General requirements   | 13.060.50                       | 2024-03      |
| ISO 17514          | Time-measuring instruments – Photoluminescent deposits – Test methods and requirements  | 39.040.01                       | 2024-03      |

| Oznaka norme      | Naslov norme   | ICS                          | Datum objave |
|-------------------|--|------------------------------|--------------|
| ISO 17520         | Space environment (natural and artificial) – Cosmic ray and solar energetic particle penetration inward the magnetosphere – Method of determination of the effective vertical cut-off rigidity | 49.140                       | 2024-03      |
| ISO 17665         | Sterilization of health care products – Moist heat – Requirements for the development, validation and routine control of a sterilization process for medical devices                           | 11.080.01                    | 2024-03      |
| ISO/IEC 17760-105 | Information technology – AT Attachment – Part 105: ATA Command Set – 5 (ACS-5)   | 35.200                       | 2024-03      |
| ISO 18128         | Information and documentation – Records risks – Risk assessment for records management   | 01.140.20; 03.100.01         | 2024-03      |
| ISO 18134-2       | Solid biofuels – Determination of moisture content – Part 2: Simplified method   | 27.190; 75.160.40            | 2024-03      |
| ISO 18183-1       | Geometrical product specifications (GPS) – Partition – Part 1: Vocabulary and basic concepts   | 17.040.40                    | 2024-03      |
| ISO 18562-1       | Biocompatibility evaluation of breathing gas pathways in healthcare applications – Part 1: Evaluation and testing within a risk management process   | 11.040.10                    | 2024-03      |
| ISO 18562-2       | Biocompatibility evaluation of breathing gas pathways in healthcare applications – Part 2: Tests for emissions of particulate matter   | 11.040.10                    | 2024-03      |
| ISO 18562-3       | Biocompatibility evaluation of breathing gas pathways in healthcare applications – Part 3: Tests for emissions of volatile organic substances  | 11.040.10                    | 2024-03      |
| ISO 18562-4       | Biocompatibility evaluation of breathing gas pathways in healthcare applications – Part 4: Tests for leachables in condensate  | 11.040.10                    | 2024-03      |
| ISO 18692-5       | Fibre ropes for offshore stationkeeping – Part 5: Aramid   | 59.080.50                    | 2024-03      |
| ISO 19234         | Hydrometry – Low cost baffles to aid fish passage on triangular profile gauging weirs  | 17.120.20                    | 2024-03      |
| ISO/IEC 19987     | Information technology – EPC Information Services (EPCIS)  | 35.200                       | 2024-03      |
| ISO/IEC 19988     | Information technology – GS1 Core Business Vocabulary (CBV)  | 35.020                       | 2024-03      |
| ISO/TS 20490      | Measuring autofocus repeatability of sharpness and latency   | 37.040.10                    | 2024-03      |
| ISO/TR 20659-1    | Rheological test methods – Fundamentals and interlaboratory comparisons – Part 1: Determination of the yield point   | 87.040                       | 2024-03      |
| ISO/TR 20659-2    | Rheological test methods – Fundamentals and interlaboratory comparisons – Part 2: Determination of the time-dependent structural change (thixotropy)   | 87.040                       | 2024-03      |
| ISO 20688-2       | Biotechnology – Nucleic acid synthesis – Part 2: Requirements for the production and quality control of synthesized gene fragments, genes, and genomes   | 7.080                        | 2024-03      |
| ISO/IEC 21031     | Information technology – Software Carbon Intensity (SCI) specification   | 13.020.40; 35.080            | 2024-03      |
| ISO 21177         | Intelligent transport systems – ITS station security services for secure session establishment and authentication between trusted devices  | 03.220.01; 35.030; 35.240.60 | 2024-03      |
| ISO 21538         | Blanks for superabrasive cutting-off wheels – Mounting and fixing bores – Building construction and civil engineering  | 25.100.70                    | 2024-03      |
| ISO 21622-3       | Irrigation techniques – Remote monitoring and control for irrigation – Part 3: Interoperability  | 65.060.35                    | 2024-03      |
| ISO 22007-1       | Plastics – Determination of thermal conductivity and thermal diffusivity – Part 1: General principles  | 83.080.01                    | 2024-03      |
| ISO/TS 22298      | Nanotechnologies – Silica nanomaterials – Specification of characteristics and measurement methods for silica with ordered nanopore array (SONA)   | 7.120                        | 2024-03      |
| ISO 22435         | Gas cylinders – Cylinder valves with integrated pressure regulators – Specification and type testing   | 23.020.35                    | 2024-03      |
| ISO 22662         | Milk and milk products – Determination of lactose content by high-performance liquid chromatography (reference method)   | 67.100.01                    | 2024-03      |

| Oznaka norme         | Naslov norme  | ICS                  | Datum objave |
|----------------------|---|----------------------|--------------|
| ISO/IEC 23090-21     | Information technology – Coded representation of immersive media – Part 21: Reference software for Geometry-based Point Cloud Compression (G-PCC)                                   | 35.040.40            | 2024-03      |
| ISO/IEC 23092-2      | Information technology – Genomic information representation – Part 2: Coding of genomic information   | 35.040.99            | 2024-03      |
| ISO/TS 23148         | Compatibility of lubricants with synthetic male condoms   | 11.200               | 2024-03      |
| ISO/TS 23927         | Laminates and moulding compounds – Prepregs – Determination of tack   | 83.120               | 2024-03      |
| ISO 24021-2          | Light gauge metal containers – Vocabulary and classification – Part 2: General cans   | 01.040.55; 55.120    | 2024-03      |
| ISO 24163-1          | Clamp-in tyre valves for tyre pressure monitoring systems – Part 1: Definition, types, dimensions and valve interface   | 83.160.01            | 2024-03      |
| ISO 24194 AMD 1      | Solar energy – Collector fields – Check of performance – Amendment 1  | 27.160               | 2024-03      |
| ISO 24221            | Railway applications – Braking system – General requirements  | 45.060.01            | 2024-03      |
| ISO 24311            | Intelligent transport systems – Mobility integration – 'Controlled zone' management for urban vehicle access restrictions (UVARs) using C-ITS                                       | 03.220.20; 35.240.60 | 2024-03      |
| ISO/IEC TS 24462     | Information security, cybersecurity and privacy protection – Ontology building blocks for security and risk assessment  | 35.030               | 2024-03      |
| ISO/IEC/IEEE 24748-1 | Systems and software engineering – Life cycle management – Part 1: Guidelines for life cycle management   | 35.080               | 2024-03      |
| ISO/IEC/IEEE 24748-2 | Systems and software engineering – Life cycle management – Part 2: Guidelines for the application of ISO/IEC/IEEE 15288 (system life cycle processes)                               | 35.080               | 2024-03      |
| ISO/IEC 25002        | Systems and software engineering – Systems and software Quality Requirements and Evaluation (SQuaRE) – Quality model overview and usage   | 35.080               | 2024-03      |
| ISO 25862 AMD 1      | Ships and marine technology – Marine magnetic compasses, binnacles and azimuth reading devices – Amendment 1  | 47.020.70            | 2024-03      |
| ISO/IEC 27006-1      | Information security, cybersecurity and privacy protection – Requirements for bodies providing audit and certification of information security management systems – Part 1: General | 03.120.20; 35.030    | 2024-03      |
| ISO/IEC 27011        | Information security, cybersecurity and privacy protection – Information security controls based on ISO/IEC 27002 for telecommunications organizations                              | 35.030               | 2024-03      |
| ISO/IEC 27561        | Information security, cybersecurity and privacy protection – Privacy operationalisation model and method for engineering (POMME)  | 35.030               | 2024-03      |
| ISO 28139 AMD 1      | Equipment for crop protection – Knapsack combustion engine-driven airblast sprayers – Safety and environmental requirements and test methods – Amendment 1                          | 65.060.40            | 2024-03      |
| ISO/IEC 30137-1      | Information technology – Use of biometrics in video surveillance systems – Part 1: System design and specification  | 35.240.15            | 2024-03      |
| ISO/TS 30438         | Human resource management – Employee engagement metrics   | 03.100.30            | 2024-03      |
| ISO 32312-11         | Aircraft ground support equipment – Specific requirements – Part 11: Container/Pallet dollies and loose load trailers   | 49.100; 49.120       | 2024-03      |
| ISO 34256            | Adhesives for non-structural wood applications – Test method and requirements for resistance to static load   | 83.180               | 2024-03      |
| ISO 34257            | Adhesives – Wood adhesives – Determination of tensile strength of lap joints at elevated temperature (WATT '91)   | 83.180               | 2024-03      |
| ISO/TR 37112         | Sustainable cities and communities – Case studies in how smart city operating models support an effective public-health emergency response  | 03.100.01; 13.020.20 | 2024-03      |
| ISO 41017            | Facility management – Guidance on emergency preparedness and management of an epidemic  | 03.080.10            | 2024-03      |

| Oznaka norme         | Naslov norme   | ICS                       | Datum objave |
|----------------------|--|---------------------------|--------------|
| ISO 45004            | Occupational health and safety management – Guidelines on performance evaluation   | 13.100                    | 2024-03      |
| ISO/ASTM 52927       | Additive manufacturing – General principles – Main characteristics and corresponding test methods  | 25.030                    | 2024-03      |
| ISO/ASTM 52933       | Additive manufacturing – Environment, health and safety – Test method for the hazardous substances emitted from material extrusion type 3D printers in the non-industrial places                         | 13.040.30; 13.100; 25.030 | 2024-03      |
| IEC 80601-2-58       | Medical electrical equipment – Part 2-58: Particular requirements for basic safety and essential performance of lens removal devices and vitrectomy devices for ophthalmic surgery                       | 11.040.70                 | 2024-03      |
| IEC 80601-2-78 AMD 1 | Medical electrical equipment – Part 2-78: Particular requirements for basic safety and essential performance of medical robots for rehabilitation, assessment, compensation or alleviation – Amendment 1 | 11.040.01                 | 2024-03      |
| ISO 81060-2 AMD 2    | Non-invasive sphygmomanometers – Part 2: Clinical investigation of intermittent automated measurement type – Amendment 2   | 11.040.10                 | 2024-03      |

## Međunarodna normizacija (IEC)

| Oznaka norme       | Naslov norme  | ICS                  | Datum objave |
|--------------------|---|----------------------|--------------|
| CISPR PAS 38       | Industrial, scientific and medical equipment – Radio-frequency disturbance characteristics – Requirements for radio beam wireless power transfer (RB-WPT) equipment                     | 33.100.10            | 2024-03      |
| IEC Guide 122      | Guidelines for defining halogen content terminology in IEC standards  | 01.120; 13.020.01    | 2024-03      |
| IEC/TR 62271-322   | High-voltage switchgear and controlgear – Part 322: Digital technologies – application and guidance   | 29.130.10            | 2024-03      |
| IEC/TR 63368       | Control and protection systems for high-voltage direct current (HVDC) power transmission systems – Off-site real-time simulation testing  | 29.240.30            | 2024-03      |
| IEC/TR 63540       | Lighting systems – Characteristics for selected outdoor applications  | 91.160.20            | 2024-03      |
| IEC/TR 63486       | Nuclear Facilities – Instrumentation, control and electrical power systems – Cybersecurity risk management approaches   | 27.120.20            | 2024-03      |
| IEC/TR 63571       | Semiconductor Devices – Estimation Method for Lifetime Conversion from "PART" to "SYSTEM"   | 31.080.01            | 2024-03      |
| IEC/TR 63568-1     | Quantum Interconnect – Part 1: Introduction and roadmap for standardization   | 33.040.40; 35.020    | 2024-03      |
| IEC/TR 62284       | Effective area measurements of single-mode optical fibres – Guidance  | 33.180.01            | 2024-03      |
| IEC/TR 60695-2-16  | Fire hazard testing – Part 2-16: Glowing/hot-wire based test methods – Results of the round robin tests for the development of IEC 60695-2-10, Ed. 4                                    | 13.220.40; 29.020    | 2024-03      |
| IEC/TR 63558       | Automatic speech recognition – Classification by acoustic and linguistic indicators in the real environment   | 33.160.99; 35.240.99 | 2024-03      |
| IEC/TR 63565       | Visual comfort of display terminals   | 31.120               | 2024-03      |
| IEC/IEEE TR 63572  | Evaluation of Absorbed Power Density Related to Human Exposure to Radio Frequency Fields from Wireless Communication Devices Operating between 6 GHz and 300 GHz                        | 17.240               | 2024-03      |
| IEC/TR 63167       | Assessment of contact current related to human exposure to electric, magnetic and electromagnetic fields  | 17.240               | 2024-03      |
| IEC/TR 63340-5     | Electronic displays for special applications – Part 5: Review of relevance of TC 110 standards to automotive application  | 31.120               | 2024-03      |
| IEC/TR 62908-1-3   | Touch and interactive displays – Part 1-3: General introduction of pen touch technology   | 31.120               | 2024-03      |
| IEC/TR 62715-6-61  | Flexible display devices – Stretchable displays – Part 6-61: General introduction for stretchable display device – Deformation and usage scenarios                                      | 31.120               | 2024-03      |
| IEC/TR 61857-2     | Electrical insulation systems – Procedures for thermal evaluation – Part 2: Selection of the appropriate test method for evaluation and classification of electrical insulation systems | 29.080.30            | 2024-03      |
| IEC/TR 62933-2-201 | Review of testing for BESS in consideration of implementing repurpose and reuse batteries   | 27.010; 29.220.01    | 2024-03      |
| IEC 60034-2-1      | Rotating electrical machines – Part 2-1: Standard methods for determining losses and efficiency from tests (excluding machines for traction vehicles)                                   | 29.160.01            | 2024-03      |
| IEC 60034-2-2      | Rotating electrical machines – Part 2-2: Specific methods for determining separate losses of large machines from tests – Supplement to IEC 60034-2-1                                    | 29.160.01            | 2024-03      |
| IEC 60034-2-3      | Rotating electrical machines – Part 2-3: Specific test methods for determining losses and efficiency of converter-fed AC motors   | 29.160.01            | 2024-03      |
| IEC 60146-1-1      | Semiconductor converters – General requirements and line commutated converters – Part 1-1: Specification of basic requirements  | 29.045; 29.200       | 2024-03      |
| IEC 60317-67 AMD 1 | Specifications for particular types of winding wires – Part 67: Polyvinyl acetal enamelled rectangular aluminium wire, class 105; Amendment 1   | 29.060.10            | 2024-03      |

| Oznaka norme              | Naslov norme   | ICS                  | Datum objave |
|---------------------------|--|----------------------|--------------|
| IEC 60317-67 Edition 1.1  | Specifications for particular types of winding wires – Part 67: Polyvinyl acetal enamelled rectangular aluminium wire, class 105   | 29.060.10            | 2024-03      |
| IEC 60335-2-73            | Household and similar electrical appliances – Safety – Part 2-73: Particular requirements for fixed immersion heaters  | 91.140.65; 97.100.10 | 2024-03      |
| IEC 60335-2-108           | Household and similar electrical appliances – Safety – Part 2-108: Particular requirements for electrolysers   | 13.120; 97.060       | 2024-03      |
| IEC 60364-7-706           | Low-voltage electrical installations – Part 7-706: Requirements for special installations or locations – Conducting locations with restricted movement   | 29.020; 91.140.50    | 2024-03      |
| IEC/TS 60601-4-2          | Medical electrical equipment – Part 4-2: Guidance and interpretation – Electromagnetic immunity: performance of medical electrical equipment and medical electrical systems  | 11.040.01; 33.100.20 | 2024-03      |
| IEC 60669-2-2             | Switches for household and similar fixed electrical installations – Part 2-2: Particular requirements – Electromagnetic remote-control switches (RCS)  | 29.120.40            | 2024-03      |
| IEC 60669-2-3             | Switches for household and similar fixed electrical installations – Part 2-3: Particular requirements – Time-delay switches (TDS)  | 29.120.40            | 2024-03      |
| IEC 60669-2-4             | Switches for household and similar fixed electrical installations – Part 2-4: Particular requirements – Isolating switches   | 29.120.40            | 2024-03      |
| IEC 60684-3-116           | Flexible insulating sleeving – Part 3-116: Specifications for individual types of sleeving – Sheets 116 and 117: Extruded polychloroprene, general purpose   | 29.035.20            | 2024-03      |
| IEC/TS 60825-19           | Safety of laser products – Part 19: Moving platform laser products   | 13.280; 31.260       | 2024-03      |
| IEC 60947-5-1             | Low-voltage switchgear and controlgear – Part 5-1: Control circuit devices and switching elements – Electromechanical control circuit devices  | 29.120.40; 29.130.20 | 2024-03      |
| IEC 60966-2-1             | Radio frequency and coaxial cable assemblies – Part 2-1: Sectional specification for flexible coaxial cable assemblies   | 33.120.10            | 2024-03      |
| IEC 60966-2-2             | Radio frequency and coaxial cable assemblies – Part 2-2: Blank detail specification for flexible coaxial cable assemblies  | 33.120.10            | 2024-03      |
| IEC 60966-4               | Radio frequency and coaxial cable assemblies – Part 4: Sectional specification for semi-rigid coaxial cable assemblies   | 33.120.10            | 2024-03      |
| IEC 60966-4-1             | Radio frequency and coaxial cable assemblies – Part 4-1: Blank detail specification for semi-rigid coaxial cable assemblies  | 33.120.10            | 2024-03      |
| IEC/TR 61000-1-9          | Electromagnetic compatibility (EMC) – Part 1-9: General – Evaluation of uncertainty for the measurement of harmonic current emissions  | 33.100.01; 33.100.10 | 2024-03      |
| IEC 61000-3-2 AMD 2       | Electromagnetic compatibility (EMC) – Part 3-2: Limits – Limits for harmonic current emissions (equipment input current $\leq 16$ A per phase); Amendment 2  | 33.100.10            | 2024-03      |
| IEC 61000-3-2 Edition 5.2 | Electromagnetic compatibility (EMC) – Part 3-2: Limits – Limits for harmonic current emissions (equipment input current $\leq 16$ A per phase)   | 33.100.10            | 2024-03      |
| IEC 61084-2-1 AMD 1       | Cable trunking systems and cable ducting systems for electrical installations – Part 2-1: Particular requirements – Cable trunking systems and cable ducting systems intended for mounting on walls and ceilings; Amendment 1              | 29.060.01; 29.120.10 | 2024-03      |
| IEC 61084-2-1 Edition 2.1 | Cable trunking systems and cable ducting systems for electrical installations – Part 2-1: Particular requirements – Cable trunking systems and cable ducting systems intended for mounting on walls and ceilings                           | 29.060.01; 29.120.10 | 2024-03      |
| IEC 61084-2-2 AMD 1       | Cable trunking systems and cable ducting systems for electrical installations – Part 2-2: Particular requirements – Cable trunking systems and cable ducting systems intended for mounting underfloor, flushfloor, or onfloor; Amendment 1 | 29.060.01; 29.120.10 | 2024-03      |



| Oznaka norme               | Naslov norme  | ICS  | Datum objave |
|----------------------------|---|--|--------------|
| IEC 61084-2-2 Edition 2.1  | Cable trunking systems and cable ducting systems for electrical installations – Part 2-2: Particular requirements – Cable trunking systems and cable ducting systems intended for mounting underfloor, flushfloor, or onfloor | 29.060.01; 29.120.10                               | 2024-03      |
| IEC 61084-2-4 AMD 1        | Cable trunking systems and cable ducting systems for electrical installations – Part 2-4: Particular requirements – Service poles and service posts; Amendment 1  | 29.060.01; 29.120.10                               | 2024-03      |
| IEC 61084-2-4 Edition 2.1  | Cable trunking systems and cable ducting systems for electrical installations – Part 2-4: Particular requirements – Service poles and service posts   | 29.060.01; 29.120.10                               | 2024-03      |
| IEC 61189-2-720            | 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                      | 31.180   | 2024-03      |
| IEC 61196-1-127            | Coaxial communication cables – Part 1-127: Electrical test methods – Link loss of radiating cable   | 33.120.10  | 2024-03      |
| IEC 61223-3-8              | Evaluation and routine testing in medical imaging departments – Part 3-8: Acceptance and constancy tests – Imaging performance of X-ray equipment for radiography and radioscopy  | 11.040.50  | 2024-03      |
| IEC/TS 61400-11-2          | Wind energy generation systems – Part 11-2: Acoustic noise measurement techniques – Measurement of wind turbine sound characteristics in receptor position  | 17.140.20; 27.180                                  | 2024-03      |
| IEC 61427-2 AMD 1          | Secondary cells and batteries for renewable energy storage – General requirements and methods of test – Part 2: On-grid applications; Amendment 1   | 27.190; 29.220.20                                  | 2024-03      |
| IEC 61427-2 Edition 1.1    | Secondary cells and batteries for renewable energy storage – General requirements and methods of test – Part 2: On-grid applications  | 27.190; 29.220.20                                  | 2024-03      |
| IEC 61439-3                | Low-voltage switchgear and controlgear assemblies – Part 3: Distribution boards intended to be operated by ordinary persons (DBO)   | 29.130.20  | 2024-03      |
| IEC 61526                  | Radiation protection instrumentation – Measurement of personal dose equivalents for X, gamma, neutron and beta radiations – Active personal dosimeters  | 13.280; 17.240                                     | 2024-03      |
| IEC 61784-5-2 AMD 1        | Industrial communication networks – Profiles – Part 5-2: Installation of fieldbuses – Installation profiles for CPF 2; Amendment 1  | 25.040.40; 35.100.20; 35.100.40; 35.160; 35.240.50 | 2024-03      |
| IEC 61784-5-2 Edition 4.1  | Industrial communication networks – Profiles – Part 5-2: Installation of fieldbuses – Installation profiles for CPF 2   | 25.040.40; 35.100.20; 35.100.40; 35.160; 35.240.50 | 2024-03      |
| IEC 61784-5-3 AMD 1        | Industrial communication networks – Profiles – Part 5-3: Installation of fieldbuses – Installation profiles for CPF 3; Amendment 1  | 25.040.40; 35.100.20; 35.100.40; 35.160; 35.240.50 | 2024-03      |
| IEC 61784-5-3 Edition 4.1  | Industrial communication networks – Profiles – Part 5-3: Installation of fieldbuses – Installation profiles for CPF 3   | 25.040.40; 35.100.20; 35.100.40; 35.160; 35.240.50 | 2024-03      |
| IEC 61784-5-12             | Industrial networks – Profiles – Part 5-12: Installation of fieldbuses – Installation profiles for CPF 12   | 25.040.40; 35.100.20; 35.100.40; 35.160; 35.240.50 | 2024-03      |
| IEC 61784-5-21 AMD 1       | Industrial communication networks – Profiles – Part 5-21: Installation of fieldbuses – Installation profiles for CPF 21; Amendment 1  | 25.040.40; 35.100.20; 35.100.40; 35.160; 35.240.50 | 2024-03      |
| IEC 61784-5-21 Edition 1.1 | Industrial communication networks – Profiles – Part 5-21: Installation of fieldbuses – Installation profiles for CPF 21   | 25.040.40; 35.100.20; 35.100.40; 35.160; 35.240.50 | 2024-03      |
| IEC 61784-5-22             | Industrial networks – Profiles – Part 5-22: Installation of fieldbuses – Installation profiles for CPF 22   | 35.100.20; 35.160; 35.240.50                       | 2024-03      |
| IEC 61918 AMD 2            | Industrial communication networks – Installation of communication networks in industrial premises; Amendment 2  | 25.040.40; 33.020; 33.180.01; 35.110; 35.240.50    | 2024-03      |
| IEC 61918 Edition 4.2      | Industrial communication networks – Installation of communication networks in industrial premises   | 25.040.40; 33.020; 33.180.01; 35.110; 35.240.50    | 2024-03      |

| Oznaka norme               | Naslov norme   | ICS                                  | Datum objave |
|----------------------------|--|--------------------------------------|--------------|
| IEC 61937-1 Corrigendum 1  | Digital audio – Interface for non-linear pcm encoded audio bitstreams applying IEC 60958 – Part 1: General; Corrigendum 1  | 33.160.30; 35.040.40                 | 2024-03      |
| IEC 62047-43               | Semiconductor devices – Micro-electromechanical devices – Part 43: Test method of electrical characteristics after cyclic bending deformation for flexible micro-electromechanical devices   | 31.080.99; 31.220.01                 | 2024-03      |
| IEC 62061 AMD 1            | Safety of machinery – Functional safety of safety-related control systems; Amendment 1   | 13.110; 25.040.40; 25.040.99; 29.020 | 2024-03      |
| IEC 62061 Edition 2.1      | Safety of machinery – Functional safety of safety-related control systems  | 13.110; 25.040.40; 25.040.99; 29.020 | 2024-03      |
| IEC/TS 62443-6-1           | Security for industrial automation and control systems – Part 6-1: Security evaluation methodology for IEC 62443-2-4   | 25.040.40; 35.030; 35.240.50         | 2024-03      |
| IEC 62752                  | In-cable control and protection device (IC-CPD) for mode 2 charging of electric road vehicles  | 29.120.50; 43.120                    | 2024-03      |
| IEC 62819 Corrigendum 1    | Live working – Eye, face and head protectors against the effects of electric arc – Performance requirements and test methods; Corrigendum 1  | 13.260; 13.340.20                    | 2024-03      |
| IEC 62899-202-8            | Printed electronics – Part 202-8: Materials – Conductive ink – Measurement of difference in resistance of printing direction of conductive film fabricated with wire-shaped materials  | 31.180; 87.080                       | 2024-03      |
| IEC 62977-2-7              | Electronic displays – Part 2-7: Measurements of optical characteristics – Tiled displays   | 31.120; 31.260                       | 2024-03      |
| IEC 63203-301-1            | Wearable electronic devices and technologies – Part 301-1: Test method of electrochromic films for wearable equipment  | 31.260; 59.080.80                    | 2024-03      |
| IEC 63267-2-1              | Fibre optic interconnecting devices and passive components – Connector optical interfaces for enhanced macro bend multimode fibres – Part 2-1: Connection parameters of physically contacting 50 Åµm core diameter fibres – Non-angled   | 33.180.20                            | 2024-03      |
| IEC 63267-2-2              | Fibre optic interconnecting devices and passive components – Connector optical interfaces for enhanced macro bend multimode fibres – Part 2-2: Connection parameters of physically contacting 50 Åµm core diameter fibres – Non-angled and angled for reference connector applications | 33.180.20                            | 2024-03      |
| IEC 80601-2-58             | Medical electrical equipment – Part 2-58: Particular requirements for the basic safety and essential performance of lens removal devices and vitrectomy devices for ophthalmic surgery   | 11.040.70                            | 2024-03      |
| IEC 80601-2-78 AMD 1       | Medical electrical equipment – Part 2-78: Particular requirements for basic safety and essential performance of medical robots for rehabilitation, assessment, compensation or alleviation; Amendment 1  | 11.040.01; 11.040.60                 | 2024-03      |
| IEC 80601-2-78 Edition 1.1 | Medical electrical equipment – Part 2-78: Particular requirements for basic safety and essential performance of medical robots for rehabilitation, assessment, compensation or alleviation   | 11.040.01; 11.040.60                 | 2024-03      |
| ISO/IEC TR 30194           | Internet of Things (IoT) and digital twin – Best practices for use case projects   | 35.240.95                            | 2024-03      |
| ISO/IEC TR 30196           | Internet of Things (IoT) – IoT applications for natural gas distribution system  | 35.240.95; 75.200                    | 2024-03      |
| ISO/IEC 4922-2             | Information security – Secure multiparty computation – Part 2: Mechanisms based on secret sharing  | 35.030                               | 2024-03      |
| ISO/IEC 5153-1             | Information technology – City service platform for public health emergencies – Part 1: Overview and general requirements   | 13.020.20; 35.240.99                 | 2024-03      |
| ISO/IEC 5392               | Information technology – Artificial intelligence – Reference architecture of knowledge engineering   | 35.020                               | 2024-03      |
| ISO/IEC 15067-3-30         | Information technology – Home Electronic System (HES) application model – Part 3-30: Energy management agent functional requirements and interfaces  | 35.200                               | 2024-03      |

| Oznaka norme         | Naslov norme   | ICS               | Datum objave |
|----------------------|--|-------------------|--------------|
| ISO/IEC 15067-3-31   | Information technology – Home Electronic System (HES) application model – Part 3-31: Protocol of energy management agents for demand-response energy management and interactions among these agents      | 35.200            | 2024-03      |
| ISO/IEC 17760-105    | Information technology – AT Attachment – Part 105: ATA Command Set – 5 (ACS-5)   | 35.200            | 2024-03      |
| ISO/IEC 19987        | Information technology – EPC Information Services (EPCIS)  | 35.200            | 2024-03      |
| ISO/IEC 19988        | Information technology – GS1 Core Business Vocabulary (CBV)  | 35.020            | 2024-03      |
| ISO/IEC 21031        | Information technology – Software Carbon Intensity (SCI) specification   | 13.020.40; 35.080 | 2024-03      |
| ISO/IEC 23090-21     | Information technology – Coded representation of immersive media – Part 21: Reference software for Geometry-based Point Cloud Compression (G-PCC)  | 35.040.40         | 2024-03      |
| ISO/IEC 23092-2      | Information technology – Genomic information representation – Part 2: Coding of genomic information  | 35.040.99         | 2024-03      |
| ISO/IEC TS 24462     | Information security, cybersecurity and privacy protection – Ontology building blocks for security and risk assessment   | 35.030            | 2024-03      |
| ISO/IEC/IEEE 24748-1 | Systems and software engineering – Life cycle management – Part 1: Guidelines for life cycle management  | 35.080            | 2024-03      |
| ISO/IEC/IEEE 24748-2 | Systems and software engineering – Life cycle management – Part 2: Guidelines for the application of ISO/IEC/IEEE 15288 (system life cycle processes)  | 35.080            | 2024-03      |
| ISO/IEC 25002        | Systems and software engineering – Systems and software Quality Requirements and Evaluation (SQuaRE) – Quality model overview and usage  | 35.080            | 2024-03      |
| ISO/IEC 27006-1      | Information security, cybersecurity and privacy protection – Requirements for bodies providing audit and certification of information security management systems – Part 1: General                      | 03.120.20; 35.030 | 2024-03      |
| ISO/IEC 27011        | Information security, cybersecurity and privacy protection – Information security controls based on ISO/IEC 27002 for telecommunications organizations   | 35.030            | 2024-03      |
| ISO/IEC 27561        | Information security, cybersecurity and privacy protection – Privacy operationalisation model and method for engineering (POMME)   | 35.030            | 2024-03      |
| ISO/IEC 30137-1      | Information technology – Use of biometrics in video surveillance systems – Part 1: System design and specification   | 35.240.15         | 2024-03      |
| IEC 80601-2-58       | Medical electrical equipment – Part 2-58: Particular requirements for basic safety and essential performance of lens removal devices and vitrectomy devices for ophthalmic surgery                       | 11.040.70         | 2024-03      |
| IEC 80601-2-78 AMD 1 | Medical electrical equipment – Part 2-78: Particular requirements for basic safety and essential performance of medical robots for rehabilitation, assessment, compensation or alleviation – Amendment 1 | 11.040.01         | 2024-03      |