

# Hrvatski zavod za norme

## Oglasnik za normativne dokumente

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

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

Izdavač:



HZN

**Hrvatski zavod za norme**  
Croatian Standards Institute

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# 1 Rezultati hrvatske normizacije

## 1.1 Hrvatske norme

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

Hrvatske norme mogu nastati na ova četiri načina:

- prihvaćanjem stranih (međunarodnih/europskih/nacionalnih) norma uz prevođenje na hrvatski jezik (pp)
- prihvaćanjem stranih norma u izvorniku s hrvatskim ovitkom (po)
- prihvaćanjem stranih norma u izvorniku objavom obavijesti o prihvaćanju (pr)
- izradbom izvorne hrvatske norme (izv).

Oznaka načina prihvaćanja navedena je uz referencijsku oznaku hrvatske norme. Hrvatske su norme zainteresiranima na raspolaganju u Normoteci Hrvatskoga zavoda za norme, Ulica grada Vukovara 78, Zagreb.

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

HRN ISO 1762:2021 en pr  
Papir, karton, pulpe i celulozni nanomaterijali – Određivanje ostatka (pepela) žarenjem na 525 °C (ISO 1762:2019)  
Paper, board, pulps and cellulose nanomaterials – Determination of residue (ash content) on ignition at 525 °C (ISO 1762:2019)

HRN ISO 2144:2021 en pr  
Papir, karton, pulpe i celulozni nanomaterijali – Određivanje ostatka (pepela) žarenjem na 900 °C (ISO 2144:2019)  
Paper, board, pulps and cellulose nanomaterials – Determination of residue (ash content) on ignition at 900 °C (ISO 2144:2019)

HRN ISO 2493-2:2021 en pr  
Papir i karton – Određivanje otpornosti prema savijanju – 2. dio: Taberov instrument (ISO 2493-2:2020)  
Paper and board – Determination of resistance to bending – Part 2: Taber-type tester (ISO 2493-2:2020)

HRN ISO 5628:2021 en pr  
Papir i karton – Određivanje krutosti – Opća načela za metode dvije točke, tri točke i četiri točke (ISO 5628:2019)  
Paper and board – Determination of bending stiffness – General principles for two-point, three-point and four-point methods (ISO 5628:2019)

HRN ISO 5647:2021 en pr  
Papir i karton – Određivanje sadržaja titanij dioksida (ISO 5647:2019)  
Paper and board – Determination of titanium dioxide content (ISO 5647:2019)

HRN ISO 6588-1:2021 en pr  
Papir, karton i pulpe – Određivanje pH vrijednosti vodenih ekstrakta – 1. dio: Hladna ekstrakcija (ISO 6588-1:2020)  
Paper, board and pulps – Determination of pH of aqueous extracts – Part 1: Cold extraction (ISO 6588-1:2020)

HRN ISO 6588-2:2021 en pr  
Papir, karton i pulpe – Određivanje pH vrijednosti vodenih ekstrakta – 2. dio: Topla ekstrakcija (ISO 6588-2:2020)  
Paper, board and pulps – Determination of pH of aqueous extracts – Part 2: Hot extraction (ISO 6588-2:2020)

HRN ISO 8791-4:2021 en pr  
Papir i karton – Određivanje hrapavosti/glatkoće (metode propuštanja zraka) – 4. dio: Print-surf metoda (ISO 8791-4:2021)  
Paper and board – Determination of roughness/smoothness (air leak methods) – Part 4: Print-surf method (ISO 8791-4:2021)

HRN ISO 9198:2021 en pr  
Papir, karton i pulpe – Određivanje vodotopljivih sulfata (ISO 9198:2020)  
Paper, board and pulp – Determination of water-soluble sulfates (ISO 9198:2020)

HRN ISO 9932:2021 en pr  
Papir i karton – Određivanje postotka propusnosti vodene pare lista – Dinamička metoda uz strujanje plina i statička plinska metoda (ISO 9932:2021)  
Paper and board – Determination of water vapour transmission rate of sheet materials – Dynamic sweep and static gas methods (ISO 9932:2021)

HRN ISO 12830:2021 en pr  
Papir, karton, pulpe i celulozni nanomaterijali – Određivanje magnezija, kalcija, mangana, željeza, bakra, natrija i kalija topljivih u kiselini (ISO 12830:2019)  
Paper, board, pulps and cellulose nanomaterials – Determination of acid-soluble magnesium, calcium, manganese, iron, copper, sodium and potassium (ISO 12830:2019)

HRN EN 17545:2021 en pr  
Papir i karton – Određivanje sastava papira i kartona za recikliranje gravimetrijskom analizom (EN 17545:2021)  
Paper and board – Determination of Composition of Paper and Board for Recycling by gravimetric analysis (EN 17545:2021)

### HZN/TO 8, *Brodogradnja*

HRN EN ISO 11592-2:2021 en pr  
Mala plovila – Određivanje najveće porivne snage pri manevarskoj brzini – 2. dio: Plovila duljine trupa između 8 m i 24 m (ISO 11592-2:2021; EN ISO 11592-2:2021)  
Small craft – Determination of maximum propulsion power rating using manoeuvring speed – Part 2: Craft with a length of hull between 8 m and 24 m (ISO 11592-2:2021; EN ISO 11592-2:2021)

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

HRN EN 17003:2021 en pr  
Cestovna vozila – Uređaji s valjcima za ispitivanje kočnica na vozilima najveće ukupne mase veće od 3,5 t – Sigurnosni zahtjevi (EN 17003:2021)  
Road vehicles – Roller brake testers for vehicles of more than 3,5 tons GVW – Safety requirements (EN 17003:2021)

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

HRN EN ISO 4254-6:2020/A11:2021 en pr  
Poljoprivredna mehanizacija – Sigurnost – 6. dio: Prskalice i raspodjeljivači tekućih gnojiva (EN ISO 4254-6:2020/A11:2021)  
Agricultural machinery – Safety – Part 6: Sprayers and liquid fertilizer distributors (EN ISO 4254-6:2020/A11:2021)

HRN EN ISO 11680-1:2021 en pr  
Šumarska mehanizacija – Sigurnosni zahtjevi i ispitivanje za motorne škare za rad na udaljenosti – 1. dio: Strojevi opremljeni motorom s unutrašnjim izgaranjem (ISO 11680-1:2021; EN ISO 11680-1:2021)  
Machinery for forestry – Safety requirements and testing for pole-mounted powered pruners – Part 1: Machines fitted with an integral combustion engine (ISO 11680-1:2021; EN ISO 11680-1:2021)

HRN EN ISO 11680-2:2021 en pr  
Šumarska mehanizacija – Sigurnosni zahtjevi i ispitivanje za motorne škare za rad na udaljenosti – 2. dio: Strojevi za upotrebu sa stražnjim izvorom napajanja (ISO 11680-2:2021; EN ISO 11680-2:2021)  
Machinery for forestry – Safety requirements and testing for pole-mounted powered pruners – Part 2: Machines for use with backpack power source (ISO 11680-2:2021; EN ISO 11680-2:2021)

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

HRN EN 15491:2021 en pr  
Etanol kao komponenta koja se namješava u benzin – Određivanje ukupne kiselosti – Metoda kolorimetrijske titracije (EN 15491:2021)  
Ethanol as a blending component for petrol – Determination of total acidity – Colour indicator titration method (EN 15491:2021)

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

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

HRN EN ISO 15614-13:2021 en pr  
Specifikacija i kvalifikacija postupaka zavarivanja za metalne materijale – Ispitivanje postupka zavarivanja – 13. dio: Sučeljeno elektrootporno zavarivanje pritiskom i zavarivanje iskrenjem (ISO 15614-13:2021; EN ISO 15614-13:2021)  
Specification and qualification of welding procedures for metallic materials – Welding procedure test – Part 13: Upset (resistance butt) and flash welding (ISO 15614-13:2021; EN ISO 15614-13:2021)

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

HRN EN 14322:2021 en pr  
Ploče na osnovi drva – Melaminom obložene ploče za unutarnju uporabu – Definicija, zahtjevi i razredba (EN 14322:2021)  
Wood-based panels – Melamine faced boards for interior uses – Definition, requirements and classification (EN 14322:2021)

HRN EN 14323:2021 en pr  
Ploče na osnovi drva – Melaminom obložene ploče za unutarnju uporabu – Metode ispitivanja (EN 14323:2021)  
Wood-based panels – Melamine faced boards for interior uses – Test methods (EN 14323:2021)

## **HZN/TO 120, Koža i obuća**

HRN EN ISO 16189:2021 en pr  
Obuća – Kritične tvari potencijalno prisutne u obući i dijelovima obuće – Kvantitativna metoda određivanja dimetilformamida u materijalima za obuću (ISO 16189:2021; EN ISO 16189:2021)  
Footwear – Critical substances potentially present in footwear and footwear components – Test method to quantitatively determine dimethylformamide in footwear materials (ISO 16189:2021; EN ISO 16189:2021)

HRN EN ISO 16190:2021 en pr  
Obuća – Kritične tvari potencijalno prisutne u obući i dijelovima obuće – Kvalitativna metoda određivanja policikličkih aromatskih ugljikovodika (PAH) u materijalima za obuću (ISO 16190:2021; EN ISO 16190:2021)  
Footwear – Critical substances potentially present in footwear and footwear components – Test method to quantitatively determine polycyclic aromatic hydrocarbons (PAH) in footwear materials (ISO 16190:2021; EN ISO 16190:2021)

HRN EN ISO 21061:2021 en pr  
Obuća – Kemijska ispitivanja – Opća načela za pripremu uzoraka (ISO 21061:2021; EN ISO 21061:2021)  
Footwear – Chemical tests – General principles on the preparation of samples (ISO 21061:2021; EN ISO 21061:2021)

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

HRS CEN/TS 13598-3:2021 en pr  
Plastični cijevni sustavi za netlačnu podzemnu odvodnju i kanalizaciju – Neomekšani poli(vinil-klorid) (PVC-U), polipropilen (PP) i polietilen (PE) – 3. dio: Ocjenjivanje sukladnosti (CEN/TS 13598-3:2021)  
Plastics piping systems for non-pressure underground drainage and sewerage – Unplasticized poly(vinyl chloride) (PVC-U), polypropylene (PP) and polyethylene (PE) – Part 3: Assessment of conformity (CEN/TS 13598-3:2021)

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

HRN EN 14031:2021 en pr  
Profesionalna izloženost – Kvantitativno mjerenje endotoksina iz zraka (EN 14031:2021)  
Workplace exposure – Quantitative measurement of airborne endotoxins (EN 14031:2021)

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

HRN ISO 6107:2021 en pr  
Kvaliteta vode – Terminološki rječnik (ISO 6107:2021)  
Water quality – Vocabulary (ISO 6107:2021)

HRN EN ISO 16266-2:2021 en pr  
Kvaliteta vode – Detekcija i brojenje Pseudomonas aeruginosa – 2. dio: Metoda najvjerojatnijeg broja (ISO 16266-2:2018; EN ISO 16266-2:2021)  
Water quality – Detection and enumeration of Pseudomonas aeruginosa – Part 2: Most probable number method (ISO 16266-2:2018; EN ISO 16266-2:2021)

HRN EN ISO 20236:2021 en pr  
Kvaliteta vode – Određivanje ukupnoga organskog ugljika (TOC), otopljenoga organskog ugljika (DOC), ukupnoga vezanog dušika (TNb) i otopljenoga vezanog dušika (DNb) nakon visokotemperaturne katalitičke oksidacije (ISO 20236:2018; EN ISO 20236:2021)  
Water quality – Determination of total organic carbon (TOC), dissolved organic carbon (DOC), total bound nitrogen (TNb) and dissolved bound nitrogen (DNb) after high temperature catalytic oxidative combustion (ISO 20236:2018; EN ISO 20236:2021)

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

HRN EN ISO 9241-20:2021 en pr  
Ergonomija interakcije čovjek-sustav – 20. dio: Ergonomijski pristup pristupačnosti u nizu norma ISO 9241 (ISO 9241-20:2021; EN ISO 9241-20:2021)  
Ergonomics of human-system interaction – Part 20: An ergonomic approach to accessibility within the ISO 9241 series (ISO 9241-20:2021; EN ISO 9241-20:2021)

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

HRN EN ISO 12571:2021 en pr  
Značajke građevnih materijala i proizvoda s obzirom na toplinu i vlagu – Određivanje svojstava higroskopske sorpcije (ISO 12571:2021; EN ISO 12571:2021)  
Hygrothermal performance of building materials and products – Determination of hygroscopic sorption properties (ISO 12571:2021; EN ISO 12571:2021)

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

HRN EN 12158-1:2021 en pr  
Građevna dizala za transport materijala – 1. dio: Dizala s dozvoljenim pristupom na platformu (EN 12158-1:2021)  
Builders' hoists for goods – Part 1: Hoists with accessible platforms (EN 12158-1:2021)

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

HRI CEN/TR 17695:2021 en pr  
Sigurnost igraćaka – Mehanička i fizikalna svojstva – Vodič za kategorizaciju igraćaka koje izbacuju projekte prema normi EN 71-1 (CEN/TR 17695:2021)  
Safety of toys – Mechanical and physical properties – Guidance on categorisation of projectile toys within EN 71-1 (CEN/TR 17695:2021)

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

HRN EN ISO 21393:2021 en pr  
Informatika u genomici – Jezik za označavanje omika (OML) (ISO 21393:2021; EN ISO 21393:2021)  
Genomics informatics – Omics Markup Language (OML) (ISO 21393:2021; EN ISO 21393:2021)

## **HZN/TO 502, Plinski uređaji**

HRN EN 521:2021 en pr  
Specifikacije za uređaje za upakljeni naftni plin – Prenosivi uređaji koji rade s tlakom plinovite faze ukapljenog naftnog plina (EN 521:2019+AC:2019)  
Specifications for dedicated liquefied petroleum gas appliances – Portable vapour pressure liquefied petroleum gas appliances (EN 521:2019+AC:2019)

HRN EN 1949:2021 en pr  
Specifikacije za instalacije u sustavima pogona na ukapljeni naftni plin za namjenu stanovanja u vozilima za odmor (kamp vozila) i drugim vozilima (EN 1949:2021)  
Specification for the installation of LPG systems for habitation purposes in leisure accommodation vehicles and accommodation purposes in other vehicles (EN 1949:2021)

HRN EN 14459:2021 en pr  
Sigurnosni i regulacijski uređaji za plamenike i uređaje na plinska ili tekuća goriva – Regulacijske funkcije u elektroničkim sustavima – Metode za razredbu i ocjenjivanje (EN 14459:2021)  
Safety and control devices for burners and appliances burning gaseous or liquid fuels – Control functions in electronic systems – Methods for classification and assessment (EN 14459:2021)

HRN EN 15502-1:2021 en pr  
Plinski kotlovi za centralno grijanje – 1. dio: Opći zahtjevi i ispitivanja (EN 15502-1:2021)  
Gas-fired heating boilers – Part 1: General requirements and tests (EN 15502-1:2021)

HRN EN 17175:2021 en pr  
Plinske ovisne trakaste grijalice i tamno-zračeći cijevni sustavi grijanja s više plamenika s ventilatorima koji nisu za upotrebu u kućanstvu – Sigurnost i energijska učinkovitost (EN 17175:2019)  
Gas-fired overhead radiant strip heaters and multi-burner continuous radiant tube heater systems for non-domestic use – Safety and energy efficiency (EN 17175:2019)

### **HZN/TO 505, Prijenos i distribucija plina**

HRN EN 12732:2021 en pr  
Plinska infrastruktura – Zavarivanje čeličnih cijevi – Funkcionalni zahtjevi (EN 12732:2021)  
Gas infrastructure – Welding steel pipework – Functional requirements (EN 12732:2021)

HRN EN ISO 20088-3:2021 en pr  
Određivanje otpornosti izolacijskih materijala na propuštanje kriogenih izlivanja – 3. dio: Ispuštanje u mlazu (ISO 20088-3:2018; EN ISO 20088-3:2019)  
Determination of the resistance to cryogenic spillage of insulation materials – Part 3: Jet release (ISO 20088-3:2018; EN ISO 20088-3:2019)

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

HRN EN ISO 6368:2021 en pr  
Industrija nafte, petrokemije i prirodnoga plina – Suhi plinski brtveni sustavi za aksijalne, centrifugalne i rotacijske vijčane kompresore i ekspanzore (ISO 6368:2021; EN ISO 6368:2021)  
Petroleum, petrochemical and natural gas industries – Dry gas sealing systems for axial, centrifugal, and rotary screw compressors and expanders (ISO 6368:2021; EN ISO 6368:2021)

HRN EN ISO 19901-5:2021 en pr  
Industrija nafte i prirodnoga plina – Posebni zahtjevi za odobalne konstrukcije – 5. dio: Određivanje i kontrola težina (ISO 19901-5:2021; EN ISO 19901-5:2021)  
Petroleum and natural gas industries – Specific requirements for offshore structures – Part 5: Weight management (ISO 19901-5:2021; EN ISO 19901-5:2021)

HRN EN ISO 19901-9:2021 en pr  
Industrija nafte i prirodnoga plina – Posebni zahtjevi za odobalne konstrukcije – 9. dio: Upravljanje cjelovitošću struktura (ISO 19901-9:2019; EN ISO 19901-9:2019)  
Petroleum and natural gas industries – Specific requirements for offshore structures – Part 9: Structural integrity management (ISO 19901-9:2019; EN ISO 19901-9:2019)

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

HRN EN ISO 748:2021 en pr  
Hidrometrija – Mjerenje protoka u otvorenim kanalima uporabom hidrometrijskih krila ili plovaka (ISO 748:2021; EN ISO 748:2021)  
Hydrometry – Measurement of liquid flow in open channels – Velocity area methods using point velocity measurements (ISO 748:2021; EN ISO 748:2021)

HRN EN 13757-1:2021 en pr  
Komunikacijski sustavi za mjerila – 1. dio: Razmjena podataka (EN 13757-1:2021)  
Communication systems for meters – Part 1: Data exchange (EN 13757-1:2021)

### **HZN/TO 517, Posebne vrste konstrukcija**

HRN EN 1004-2:2021 en pr  
Pokretne platforme i radni tornjevi od predgotovljenih elemenata – 2. dio: Pravila i smjernice za pripremu priručnika za uporabu (EN 1004-2:2021)  
Mobile access and working towers made of prefabricated elements – Part 2: Rules and guidelines for the preparation of an instruction manual (EN 1004-2:2021)

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

HRN EN 17435:2021 en pr  
Površine sportskih terena – Metoda ispitivanja za određivanje kriterija za ozljede glave (HIC) i kritičnu visinu pada (CFH) (EN 17435:2021)  
Surfaces for sports areas – Test method for the determination of Head Injury Criterion (HIC) and Critical Fall Height (CFH) (EN 17435:2021)

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

HRS CEN/TS 17659:2021 en pr  
Smjernice za projektiranje mehanički pričvršćenih hidroizolacijskih sustava za pokrivanje krovova (CEN/TS 17659:2021)  
Design guideline for mechanically fastened roof waterproofing systems (CEN/TS 17659:2021)

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

HRN EN 14601:2021 en pr  
Željeznički sustav – Ravna i kutna završna crijeva za slavine kočnice i glavnog spremnika zraka (EN 14601:2005+A2:2021)  
Railway applications – Straight and angled end cocks for brake pipe and main reservoir pipe (EN 14601:2005+A2:2021)

HRN EN 15528:2021 en pr  
Željeznički sustav – Kategorije pruga za određivanje sučelja između granica opterećenja željezničkih vozila i infrastrukture (EN 15528:2021)  
Railway applications – Line categories for managing the interface between load limits of vehicles and infrastructure (EN 15528:2021)

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

HRN EN ISO 527-5:2021 en pr  
Plastika – Određivanje rasteznih svojstava – 5. dio: Uvjeti ispitivanja za plastične kompozite jednosmjerno ojačane vlaknima (ISO 527-5:2021; EN ISO 527-5:2021)  
Plastics – Determination of tensile properties – Part 5: Test conditions for unidirectional fibre-reinforced plastic composites (ISO 527-5:2021; EN ISO 527-5:2021)

HRN EN ISO 6801:2021 en pr  
Gumena ili plastična crijeva – Određivanje volumnog širenja (ISO 6801:2021; EN ISO 6801:2021)  
Rubber and plastics hoses – Determination of volumetric expansion (ISO 6801:2021; EN ISO 6801:2021)

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

HRN EN 12697-48:2021 en pr  
Bitumenske mješavine – Metode ispitivanja – 48. dio: Povezanost slojeva (EN 12697-48:2021)  
Bituminous mixtures – Test methods – Part 48: Interlayer Bonding (EN 12697-48:2021)

HRN EN 13286-1:2021 en pr  
Nevezane i hidrauličnim vezivom vezane mješavine – 1. dio: Metode ispitivanja za određivanje laboratorijske referencijske gustoće i udjela vode – Uvod, opći zahtjevi i uzorkovanje (EN 13286-1:2021)  
Unbound and hydraulically bound mixtures – Part 1: Test methods for laboratory reference density and water content – Introduction, general requirements and sampling (EN 13286-1:2021)

HRN EN 13286-4:2021 en pr  
Nevezane i hidrauličnim vezivom vezane mješavine – 4. dio: Metode ispitivanja za određivanje laboratorijske referencijske gustoće i udjela vode – Vibrirajući čekić (EN 13286-4:2021)  
Unbound and hydraulically bound mixtures – Part 4: Test methods for laboratory reference density and water content – Vibrating hammer (EN 13286-4:2021)

HRN EN 13286-47:2021 en pr  
Nevezane i hidrauličnim vezivom vezane mješavine – 47. dio: Metoda ispitivanja za određivanje kalifornijskog indeksa nosivosti, neposrednog indeksa nosivosti i linearnog bubrenja (EN 13286-47:2021)  
Unbound and hydraulically bound mixtures – Part 47: Test method for the determination of California bearing ratio, immediate bearing index and linear swelling (EN 13286-47:2021)



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

HRN EN 1529:2021 en pr  
Vratna krila – Visina, širina, debljina i pravokutnost – Razredba dopuštenih odstupanja (EN 1529:2021)  
Door leaves – Height, width, thickness and squareness – Tolerance classes (EN 1529:2021)

HRN EN 12320:2021 en pr  
Građevni okovi – Lokoti i pribor – Zahtjevi i metode ispitivanja (EN 12320:2021)  
Building hardware – Padlocks and padlock fittings – Requirements and test methods (EN 12320:2021)

HRN EN 16867:2021 en pr  
Građevni okovi – Mehatrički okovi za vrata – Zahtjevi i metode ispitivanja (EN 16867:2020+A1:2021)  
Building hardware – Mechatronic door furniture – Requirements and test methods (EN 16867:2020+A1:2021)

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

HRN EN 13624:2021 en pr  
Kemijski dezinficijensi i antiseptici – Kvantitativni suspenzijski test za procjenu fungicidne djelotvornosti ili fungicidne djelotvornosti na kvasce u medicini – Metoda ispitivanja i zahtjevi (faza 2, korak 1) (EN 13624:2021)  
Chemical disinfectants and antiseptics – Quantitative suspension test for the evaluation of fungicidal or yeasticidal activity in the medical area – Test method and requirements (phase 2, step 1) (EN 13624:2021)

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

HRN EN 12976-1:2021 en pr  
Solarni toplinski sustavi i komponente – Tvornički izrađeni sustavi – 1. dio: Opći zahtjevi (EN 12976-1:2021)  
Thermal solar systems and components – Factory made systems – Part 1: General requirements (EN 12976-1:2021)

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

HRN EN 1996-1-1:2012/A2:2021 hr izv  
Eurokod 6: Projektiranje zidanih konstrukcija – Dio 1-1: Opća pravila za armirane i nearmirane zidane konstrukcije  
Eurocode 6: Design of masonry structures – Part 1-1: General rules for reinforced and unreinforced masonry structures

HRS CEN/TS 19100-1:2021 en pr  
Projektiranje staklenih konstrukcija – 1. dio: Osnove projektiranja i materijali (CEN/TS 19100-1:2021)  
Design of glass structures – Part 1: Basis of design and materials (CEN/TS 19100-1:2021)

HRS CEN/TS 19100-2:2021 en pr  
Projektiranje staklenih konstrukcija – 2. dio: Projektiranje elemenata opterećenih okomito na vlastitu ravninu (CEN/TS 19100-2:2021)  
Design of glass structures – Part 2: Design of out-of-plane loaded glass components (CEN/TS 19100-2:2021)

HRS CEN/TS 19100-3:2021 en pr  
Projektiranje staklenih konstrukcija – 3. dio: Projektiranje elemenata opterećenih u vlastitoj ravnini i njihovih mehaničkih spojeva (CEN/TS 19100-3:2021)  
Design of glass structures – Part 3: Design of in-plane loaded glass components and their mechanical joints (CEN/TS 19100-3:2021)

HRS CEN/TS 19103:2021 en pr  
Eurokod 5: Projektiranje drvenih konstrukcija – Projektiranje spregnutih konstrukcija drvo-beton – Opća pravila i pravila za zgrade (CEN/TS 19103:2021)  
Eurocode 5: Design of Timber Structures – Structural design of timber-concrete composite structures – Common rules and rules for buildings (CEN/TS 19103:2021)

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

HRN EN 246:2021 en pr  
Sanitarne armature – Opće specifikacije za aeratore (EN 246:2021)  
Sanitary tapware – General specifications for aerators (EN 246:2021)

HRN EN 12873-4:2021 en pr  
Utjecaj materijala na vodu namijenjenu ljudskoj potrošnji – Utjecaj zbog migracije – 4. dio: Metoda ispitivanja za membrane koje se upotrebljavaju u obradi vode (EN 12873-4:2021)  
Influence of materials on water intended for human consumption – Influence due to migration – Part 4: Test method for water treatment membranes (EN 12873-4:2021)

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

HRN ISO 15392:2021 en pr  
Održivost zgrada i inženjerskih građevina – Opća načela (ISO 15392:2019)  
Sustainability in buildings and civil engineering works – General principles (ISO 15392:2019)

HRN EN 15942:2021 en pr  
Održivost građevina – Izjave o utjecaju proizvoda na okoliš – Oblik komunikacije među poslovnim subjektima (EN 15942:2021)  
Sustainability of construction works – Environmental product declarations – Communication format business-to-business (EN 15942:2021)

HRN ISO 16745-1:2021 en pr  
Održivost zgrada i inženjerskih građevina – Ugljična metrika postojeće zgrade tijekom faze uporabe – 1. dio: Proračun, izvještavanje i komunikacija (ISO 16745-1:2017)  
Sustainability in buildings and civil engineering works – Carbon metric of an existing building during use stage – Part 1: Calculation, reporting and communication (ISO 16745-1:2017)

HRN ISO 16745-2:2021 en pr  
Održivost zgrada i inženjerskih građevina – Ugljična metrika postojeće zgrade tijekom faze uporabe – 2. dio: Verifikacija (ISO 16745-2:2017)  
Sustainability in buildings and civil engineering works – Carbon metric of an existing building during use stage – Part 2: Verification (ISO 16745-2:2017)

HRN ISO 20887:2021 en pr  
Održivost zgrada i inženjerskih građevina – Projekt uklanjanja i prilagodljivosti – Načela, zahtjevi i upute (ISO 20887:2020)  
Sustainability in buildings and civil engineering works – Design for disassembly and adaptability – Principles, requirements and guidance (ISO 20887:2020)

HRN ISO 21678:2021 en pr  
Održivost zgrada i inženjerskih građevina – Pokazatelji i referentne vrijednosti – Načela, zahtjevi i upute (ISO 21678:2020)  
Sustainability in buildings and civil engineering works – Indicators and benchmarks – Principles, requirements and guidelines (ISO 21678:2020)

HRN ISO 21930:2021 en pr  
Održivost zgrada i inženjerskih građevina – Osnovna pravila za izjave o utjecaju na okoliš građevnih proizvoda i usluga (ISO 21930:2017)  
Sustainability in buildings and civil engineering works – Core rules for environmental product declarations of construction products and services (ISO 21930:2017)

HRN ISO 21931-2:2021 en pr  
Održivost zgrada i inženjerskih građevina – Metodološki okvir za ocjenjivanje svojstava građevina s obzirom na okoliš te socijalnih i ekonomskih svojstava kao podloga za procjenu održivosti – 2. dio: Inženjerske građevine (ISO 21931-2:2019)  
Sustainability in buildings and civil engineering works – Framework for methods of assessment of the environmental, social and economic performance of construction works as a basis for sustainability assessment – Part 2: Civil engineering works (ISO 21931-2:2019)

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

HRN EN ISO 14971:2020/A11:2021 en pr  
Medicinski proizvodi – Primjena upravljanja rizikom za medicinske proizvode (EN ISO 14971:2019/A11:2021)  
Medical devices – Application of risk management to medical devices (EN ISO 14971:2019/A11:2021)

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

HRN EN 17479:2021 en pr  
Štitnici sluha – Smjernice za odabir metoda ispitivanja pristajanja štitnika (EN 17479:2021)  
Hearing protectors – Guidance on selection of individual fit testing methods (EN 17479:2021)

HRN EN ISO 20344:2021 en pr  
Osobna zaštitna oprema – Metode ispitivanja za obuću (ISO 20344:2021; EN ISO 20344:2021)  
Personal protective equipment – Test methods for footwear (ISO 20344:2021; EN ISO 20344:2021)

## HZN/TO 560, Tekstilni proizvodi

HRN EN ISO 2076:2021 en pr  
Tekstil – Umjetna vlakna – Generički nazivi (ISO 2076:2021; EN ISO 2076:2021)  
Textiles – Man-made fibres – Generic names (ISO 2076:2021; EN ISO 2076:2021)

HRN EN ISO 6330:2021 en pr  
Tekstil – Postupci pranja i sušenja u kućanstvu za ispitivanje tekstila (ISO 6330:2021; EN ISO 6330:2021)  
Textiles – Domestic washing and drying procedures for textile testing (ISO 6330:2021; EN ISO 6330:2021)

HRS CEN/TS 14237:2021 en pr  
Tekstil za uporabu u zdravstvenim i socijalnim ustanovama (CEN/TS 14237:2021)  
Textiles for healthcare and social services facilities (CEN/TS 14237:2021)

HRN EN ISO 20932-1:2020/A1:2021 en pr  
Tekstil – Određivanje elastičnosti tekstila – 1. dio: Ispitivanje u obliku trake (ISO 20932-1:2018/Amd 1:2021; EN ISO 20932-1:2020/A1:2021)  
Textiles – Determination of the elasticity of fabrics – Part 1: Strip tests (ISO 20932-1:2018/Amd 1:2021; EN ISO 20932-1:2020/A1:2021)

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

HRN EN ISO 10286:2021 en pr  
Plinske boce – Terminološki rječnik (ISO 10286:2021; EN ISO 10286:2021)  
Gas cylinders – Vocabulary (ISO 10286:2021; EN ISO 10286:2021)

HRN EN ISO 11114-2:2021 en pr  
Plinske boce – Uskladivost materijala boce i ventila sa sadržanim plinom – 2. dio: Nemetalni materijali (ISO 11114-2:2021; EN ISO 11114-2:2021)  
Gas cylinders – Compatibility of cylinder and valve materials with gas contents – Part 2: Non-metallic materials (ISO 11114-2:2021; EN ISO 11114-2:2021)

HRN EN ISO 11439:2013/A1:2021 en pr  
Plinske boce – Visokotlačne posude za ugradbene spremnike prirodnog plina kao goriva za vozila (ISO 11439:2013/Amd 1:2021; EN ISO 11439:2013/A1:2021)  
Gas cylinders – High pressure cylinders for the on-board storage of natural gas as a fuel for automotive vehicles (ISO 11439:2013/Amd 1:2021; EN ISO 11439:2013/A1:2021)

HRN EN 13760:2021 en pr  
Oprema i pribor za UNP – Sustav za punjenje lakih i teških vozila UNP-om – Mlaznice, ispitni zahtjevi i dimenzije (EN 13760:2021)  
LPG equipment and accessories – Automotive LPG filling system for light and heavy duty vehicles – Nozzle, test requirements and dimensions (EN 13760:2021)

## HZN/TO 562, Alatni strojevi i alati

HRN EN ISO 19085-2:2021 en pr  
Strojevi za obradu drva – Sigurnost – 2. dio: Horizontalne kružne pile za ploče s pritisknim uređajem (ISO 19085-2:2021; EN ISO 19085-2:2021)  
Woodworking machines – Safety – Part 2: Horizontal beam panel circular sawing machines (ISO 19085-2:2021; EN ISO 19085-2:2021)

HRN EN ISO 19085-14:2021 en pr  
Strojevi za obradu drva – Sigurnost – 14. dio: Četverostrani stroj za kalupiranje (ISO 19085-14:2021; EN ISO 19085-14:2021)  
Woodworking machines – Safety – Part 14: Four-sided moulding machines (ISO 19085-14:2021; EN ISO 19085-14:2021)

HRN EN ISO 19085-15:2021 en pr  
Strojevi za obradu drva – Sigurnost – 15. dio: Preše (ISO 19085-15:2021; EN ISO 19085-15:2021)  
Woodworking machines – Safety – Part 15: Presses (ISO 19085-15:2021; EN ISO 19085-15:2021)

HRN EN ISO 19085-16:2021 en pr  
Strojevi za obradu drva – Sigurnost – 16. dio: Stolne tračne pile i tračne pile (ISO 19085-16:2021; EN ISO 19085-16:2021)  
Woodworking machines – Safety – Part 16: Table band saws and band re-saws (ISO 19085-16:2021; EN ISO 19085-16:2021)

## HZN/TO 563, Sigurnost strojeva

HRN EN 1034-4:2021 en pr  
Sigurnost strojeva – Sigurnosni zahtjevi za projektiranje i konstrukciju strojeva za izradu i završnu obradu papira – 4. dio: Strojevi za pripremu pulpe i uređaji za njihovo punjenje (EN 1034-4:2021)  
Safety of machinery – Safety requirements for the design and construction of paper making and finishing machines – Part 4: Pulpers and their loading facilities (EN 1034-4:2021)

HRN EN 13870:2021 en pr  
Strojevi za preradu hrane – Strojevi za rezanje mesa – Sigurnosni i higijenski zahtjevi (EN 13870:2015+A1:2021)  
Food processing machinery – Portion cutting machines – Safety and hygiene requirements (EN 13870:2015+A1:2021)

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

HRN EN ISO 20836:2021 en pr  
Mikrobiologija u lancu hrane – Lančana reakcija polimerazom (PCR) za dokazivanje patogena koji se prenose hranom – Ispitivanje radnog učinka toplokružnika (thermal cyclers) (ISO 20836:2021; EN ISO 20836:2021)  
Microbiology of the food chain – Polymerase chain reaction (PCR) for the detection of food-borne pathogens – Thermal performance testing of thermal cyclers (ISO 20836:2021; EN ISO 20836:2021)

## HZN/TO 569, Hrana za životinje

HRN EN 15784:2021 en pr  
Animal feeding stuffs: Methods of sampling and analysis – Detection and enumeration of *Bacillus* spp. used as feed additive (EN 15784:2021)

HRN EN 15786:2021 en pr  
Animal feeding stuffs: Methods of sampling and analysis – Detection and enumeration of *Pedococcus* spp. used as feed additive (EN 15786:2021)

HRN EN 15787:2021 en pr  
Animal feeding stuffs: Methods of sampling and analysis – Detection and enumeration of *Lactobacillus* spp. used as feed additive (EN 15787:2021)

HRN EN 15788:2021 en pr  
Animal feeding stuffs: Methods of sampling and analysis – Detection and enumeration of *Enterococcus* (*E. faecium*) spp. used as feed additive (EN 15788:2021)

HRN EN 15789:2021 en pr  
Animal feeding stuffs: Methods of sampling and analysis – Detection and enumeration of *Saccharomyces cerevisiae* used as feed additive (EN 15789:2021)

HRN EN 17547:2021 en pr  
Hrana za životinje: Metode uzorkovanja i analize – Određivanje sadržaja vitamina A, E i D – Pročišćavanje metodom ekstrakcije čvrstom fazom i metodom tekućinske kromatografije visoke učinkovitosti (EN 17547:2021)  
Animal feeding stuffs: Methods of sampling and analysis – Determination of vitamin A, E and D content – Method using solid phase extraction clean-up and High Performance Liquid Chromatography (EN 17547:2021)

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

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

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

HRN EN 17520:2021 en pr  
Planinarska oprema – Povezna užad sa samoosiguranjem – Zahtjevi i metode ispitivanja (EN 17520:2021)  
Mountaineering equipment – Personal belay lanyards – Safety requirements and test methods (EN 17520:2021)

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

HRN EN 14735:2021 en pr  
Karakterizacija otpada – Priprema uzoraka otpada za ispitivanja ekotoksičnosti (EN 14735:2021)  
Characterization of waste – Preparation of waste samples for ecotoxicity tests (EN 14735:2021)

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

HRN EN IEC 61133:2021 en pr  
Željeznički sustav – Željeznička vozila – Ispitivanje željezničkih vozila nakon završetka izrade i prije stavljanja u promet (IEC 61133:2016; EN IEC 61133:2021)  
Railway applications – Rolling stock – Testing of rolling stock on completion of construction and before entry into service (IEC 61133:2016; EN IEC 61133:2021)

HRN EN IEC 61375-2-8:2021 en pr  
Elektronička oprema za željeznice – Komunikacijska mreža viaka (TCN) – Dio 2-8: Ispitivanje sukladnosti TCN-a (IEC 61375-2-8:2021; EN IEC 61375-2-8:2021)  
Electronic railway equipment – Train communication network (TCN) – Part 2-8: TCN conformance test (IEC 61375-2-8:2021; EN IEC 61375-2-8:2021)

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

HRN EN IEC 60947-3:2021/Ispr.1:2021 en pr  
Niskonaponska sklopna aparatura – 3. dio: Sklopke, rastavljači, rastavne sklopke i kombinacije s osiguračima (IEC 60947-3:2020/Corr.1:2021; EN IEC 60947-3:2021/AC:2021)  
Low-voltage switchgear and controlgear – Part 3: Switches, disconnectors, switch-disconnectors and fuse-combination units (IEC 60947-3:2020/Corr.1:2021; EN IEC 60947-3:2021/AC:2021)

HRN EN IEC 62271-101:2021/Ispr.1:2021 en pr  
Visokonaponska sklopna aparatura – 101. dio: Sintetska ispitivanja (IEC 62271-101:2021/Corr.1:2021; EN IEC 62271-101:2021/AC:2021)  
High-voltage switchgear and controlgear – Part 101: Synthetic testing (IEC 62271-101:2021/Corr.1:2021; EN IEC 62271-101:2021/AC:2021)

## **HZN/TO E23, Električni instalacijski pribor**

HRN EN IEC 61914:2021 en pr  
Kabelske objumice za električne instalacije (IEC 61914:2021; EN IEC 61914:2021)  
Cable cleats for electrical installations (IEC 61914:2021; EN IEC 61914:2021)

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

HRN EN IEC 60238:2018/A11:2021 en pr  
Grla za žarulje s Edisonovim navojem (EN IEC 60238:2018/A11:2021)  
Edison screw lampholders (EN IEC 60238:2018/A11:2021)

HRN EN IEC 61347-2-14:2018/A11:2021 en pr  
Predspojne naprave – Dio 2-14: Posebni zahtjevi za elektroničke predspojne naprave koje se napajaju istosmjernom i/ili izmjeničnom strujom namijenjene indukcijskim fluorescentnim žaruljama (EN IEC 61347-2-14:2018/A11:2021)  
Lamp controlgear – Part 2-14: Particular requirements for DC and/or AC supplied electronic controlgear for fluorescent induction lamps (EN IEC 61347-2-14:2018/A11:2021)

HRN EN IEC 62031:2020/A11:2021 en pr  
Moduli svjetlećih dioda za opću rasvjetu – Sigurnosni zahtjevi (EN IEC 62031:2020/A11:2021)  
LED modules for general lighting – Safety specifications (EN IEC 62031:2020/A11:2021)

HRN EN IEC 62868-2-3:2021 en pr  
Izvori svjetla od organskih svjetlećih dioda (OLED) za opću rasvjetu – Sigurnost – Dio 2-3: Posebni zahtjevi – Fleksibilne OLED ploče i paneli (IEC 62868-2-3:2021; EN IEC 62868-2-3:2021)  
Organic light emitting diode (OLED) light sources for general lighting – Safety – Part 2-3: Particular requirements – Flexible OLED tiles and panels (IEC 62868-2-3:2021; EN IEC 62868-2-3:2021)

HRN EN IEC 63013:2019/A1:2021 en pr  
Svjetleće diode – Dugoročna projekcija održavanja svjetlosnog i zračećeg toka (IEC 63013:2017/am1:2021; EN IEC 63013:2019/A1:2021)  
LED packages – Long-term luminous and radiant flux maintenance projection (IEC 63013:2017/am1:2021; EN IEC 63013:2019/A1:2021)

## **HZN/TO E45, Nuklearna instrumentacija**

HRN EN IEC 62484:2021 en pr  
Instrumentacija u zaštiti od zračenja – Portalni spektrometrijski monitori zračenja (SRPMs) za detekciju i identifikaciju radioaktivnog materijala u nedopuštenom prometu (IEC 62484:2020; EN IEC 62484:2021)  
Radiation protection instrumentation – Spectrometric radiation portal monitors (SRPMs) used for the detection and identification of illicit trafficking of radioactive material (IEC 62484:2020; EN IEC 62484:2021)

HRN EN IEC 63121:2021 en pr  
Instrumentacija u zaštiti od zračenja – Pokretni sustavi, postavljeni na vozila, za detekciju radioaktivnog materijala u nedopuštenom prometu (IEC 63121:2020; EN IEC 63121:2021)  
Radiation protection instrumentation – Vehicle-mounted mobile systems for the detection of illicit trafficking of radioactive materials (IEC 63121:2020; EN IEC 63121:2021)

## **HZN/TO E57, Upravljanje energetske sustavom i pridružene komunikacije**

HRN EN IEC 61850-7-420:2021 en pr  
Komunikacijske mreže i sustavi za automatizaciju u elektroprivredama – Dio 7-420: Osnovna komunikacijska struktura – Logička čvorišta za distribuirane izvore električne energije i distribucijsku automatizaciju (IEC 61850-7-420:2021; EN IEC 61850-7-420:2021)  
Communication networks and systems for power utility automation – Part 7-420: Basic communication structure – Distributed energy resources and distribution automation logical nodes (IEC 61850-7-420:2021; EN IEC 61850-7-420:2021)

HRN EN IEC 61970-452:2021 en pr  
Sučelje za aplikacije vođenja elektroenergetskog sustava (EMS-API) – 452. dio: CIM profili za statički model prijenosne mreže (IEC 61970-452:2021; EN IEC 61970-452:2021)  
Energy management system application program interface (EMS-API) – Part 452: CIM static transmission network model profiles (IEC 61970-452:2021; EN IEC 61970-452:2021)

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

HRN EN 60335-2-27:2014/Ispr.1:2021 en pr  
Kućanski i slični električni aparati – Sigurnost – Dio 2-27: Posebni zahtjevi za aparate za izlaganje kože ultraljubičastomu i infracrvenomu zračenju (EN 60335-2-27:2013/AC:2021)  
Household and similar electrical appliances – Safety – Part 2-27: Particular requirements for appliances for skin exposure to ultraviolet and infrared radiation (EN 60335-2-27:2013/AC:2021)

HRN EN IEC 60335-2-29:2021 en pr  
Kućanski i slični električni aparati – Sigurnost – Dio 2-29: Posebni zahtjevi za punjače baterija (IEC 60335-2-29:2016; EN IEC 60335-2-29:2021)  
Household and similar electrical appliances – Safety – Part 2-29: Particular requirements for battery chargers (IEC 60335-2-29:2016; EN IEC 60335-2-29:2021)

HRN EN IEC 60335-2-29:2021/A1:2021 en pr  
Kućanski i slični električni aparati – Sigurnost – Dio 2-29: Posebni zahtjevi za punjače baterija (IEC 60335-2-29:2016/am1:2019; EN IEC 60335-2-29:2021/A1:2021)  
Household and similar electrical appliances – Safety – Part 2-29: Particular requirements for battery chargers (IEC 60335-2-29:2016/am1:2019; EN IEC 60335-2-29:2021/A1:2021)

HRN EN IEC 60335-2-84:2021 en pr  
Kućanski i slični električni aparati – Sigurnost – Dio 2-84: Posebni zahtjevi za aparate u zahodima (IEC 60335-2-84:2019; EN IEC 60335-2-84:2021)  
Household and similar electrical appliances – Safety – Part 2-84: Particular requirements for toilet appliances (IEC 60335-2-84:2019; EN IEC 60335-2-84:2021)

HRN EN IEC 60335-2-84:2021/A11:2021 en pr  
Kućanski i slični električni aparati – Sigurnost – Dio 2-84: Posebni zahtjevi za aparate u zahodima (EN IEC 60335-2-84:2021/A11:2021)  
Household and similar electrical appliances – Safety – Part 2-84: Particular requirements for toilet appliances (EN IEC 60335-2-84:2021/A11:2021)



HRN EN IEC 60335-2-90:2021/A1:2021 en pr  
Kućanski i slični električni aparati – Sigurnost – Dio 2-90:  
Posebni zahtjevi za ugostiteljske mikrovalne pećnice  
(IEC 60335-2-90:2015/am1:2019;  
EN IEC 60335-2-90:2021/A1:2021)  
Household and similar electrical appliances – Safety  
– Part 2-90: Particular requirements for commercial  
microwave ovens (IEC 60335-2-90:2015/am1:2019;  
EN IEC 60335-2-90:2021/A1:2021)

HRN EN IEC 60335-2-96:2021 en pr  
Kućanski i slični električni aparati – Sigurnost – Dio 2-96:  
Posebni zahtjevi za fleksibilne pločaste elemente za grijanje  
prostora (IEC 60335-2-96:2019; EN IEC 60335-2-96:2021)  
Household and similar electrical appliances – Safety  
– Part 2-96: Particular requirements for flexible sheet  
heating elements for room heating (IEC 60335-2-96:2019;  
EN IEC 60335-2-96:2021)

HRN EN IEC 60335-2-96:2021/A11:2021 en pr  
Kućanski i slični električni aparati – Sigurnost – Dio 2-96:  
Posebni zahtjevi za fleksibilne pločaste elemente za grijanje  
prostora (EN IEC 60335-2-96:2021/A11:2021)  
Household and similar electrical appliances – Safety – Part 2-96:  
Particular requirements for flexible sheet heating elements for  
room heating (EN IEC 60335-2-96:2021/A11:2021)

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

HRN EN IEC 60730-2-14:2019/A2:2021 en pr  
Električne naprave za automatsko upravljanje – Dio 2-14: Posebni  
zahtjevi za električne aktuatori (IEC 60730-2-14:2017/am2:2021;  
EN IEC 60730-2-14:2019/A2:2021)  
Automatic electrical controls – Part 2-14: Particular  
requirements for electric actuators (IEC 60730-2-14:2017/  
am2:2021; EN IEC 60730-2-14:2019/A2:2021)

HRN EN IEC 60730-2-8:2020/A1:2021 en pr  
Električne naprave za automatsko upravljanje – Dio 2-8:  
Posebni zahtjevi za električne ventile za vodu, uključujući  
mehaničke zahtjeve (IEC 60730-2-8:2018/am1:2021;  
EN IEC 60730-2-8:2020/A1:2021)  
Automatic electrical controls – Part 2-8: Particular  
requirements for electrically operated water valves, including  
mechanical requirements (IEC 60730-2-8:2018/am1:2021;  
EN IEC 60730-2-8:2020/A1:2021)

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

HRN EN IEC 61557-1:2021 en pr  
Električna sigurnost u niskonaponskim distribucijskim  
sustavima do 1 000 V izmjenične struje i 1 500 V istosmjerne  
struje – Oprema za ispitivanje, mjerenje ili nadzor mjera  
zaštite – 1. dio: Opći zahtjevi (IEC 61557-1:2019;  
EN IEC 61557-1:2021)  
Electrical safety in low voltage distribution systems up to  
1 000 V a.c. and 1 500 V d.c. – Equipment for testing,  
measuring or monitoring of protective measures – Part 1:  
General requirements (IEC 61557-1:2019; EN IEC 61557-1:2021)

HRN EN IEC 61557-2:2021 en pr  
Električna sigurnost u niskonaponskim distribucijskim  
sustavima do 1 000 V izmjenične struje i 1 500 V istosmjerne  
struje – Oprema za ispitivanje, mjerenje ili nadzor mjera  
zaštite – 2. dio: Otpor izolacije (IEC 61557-2:2019;  
EN IEC 61557-2:2021)  
Electrical safety in low voltage distribution systems up to  
1 000 V a.c. and 1 500 V d.c. – Equipment for testing,  
measuring or monitoring of protective measures – Part 2:  
Insulation resistance (IEC 61557-2:2019; EN IEC 61557-2:2021)

HRN EN IEC 61557-4:2021 en pr  
Električna sigurnost u niskonaponskim distribucijskim  
sustavima do 1 000 V izmjenične struje i 1 500 V istosmjerne  
struje – Oprema za ispitivanje, mjerenje ili nadzor mjera  
zaštite – 4. dio: Otpor spoja za uzemljenje i izjednačavanje  
potencijala (IEC 61557-4:2019; EN IEC 61557-4:2021)  
Electrical safety in low voltage distribution systems up to  
1 000 V a.c. and 1 500 V d.c. – Equipment for testing,  
measuring or monitoring of protective measures – Part 4:  
Resistance of earth connection and equipotential bonding  
(IEC 61557-4:2019; EN IEC 61557-4:2021)

HRN EN IEC 61557-5:2021 en pr  
Električna sigurnost u niskonaponskim distribucijskim  
sustavima do 1 000 V izmjenične struje i 1 500 V istosmjerne  
struje – Oprema za ispitivanje, mjerenje ili nadzor mjera  
zaštite – 5. dio: Otpor uzemljenja (IEC 61557-5:2019;  
EN IEC 61557-5:2021)  
Electrical safety in low voltage distribution systems up to 1 000  
V a.c. and 1 500 V d.c. – Equipment for testing, measuring  
or monitoring of protective measures – Part 5: Resistance to  
earth (IEC 61557-5:2019; EN IEC 61557-5:2021)

HRN EN IEC 61557-6:2021 en pr  
Električna sigurnost u niskonaponskim distribucijskim  
sustavima do 1 000 V izmjenične struje i 1 500 V istosmjerne  
struje – Oprema za ispitivanje, mjerenje ili nadzor mjera  
zaštite – 6. dio: Učinkovitost uređaja diferencijalne  
struje (RDC) u TT, TN i IT sustavima (IEC 61557-6:2019;  
EN IEC 61557-6:2021)  
Electrical safety in low voltage distribution systems up to  
1 000 V a.c. and 1 500 V d.c. – Equipment for testing,  
measuring or monitoring of protective measures – Part 6:  
Effectiveness of residual current devices (RCD) in TT, TN and  
IT systems (IEC 61557-6:2019; EN IEC 61557-6:2021)

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

HRN EN IEC/IEEE 62209-1528:2021 en pr  
Mjerni postupak za procjenu gustoće apsorbirane snage  
tijekom izloženosti ljudi radiofrekvencijskim poljima  
ručnih uređaja i na tijelo postavljenih uređaja za bežičnu  
komunikaciju – 1528. dio: Ljudski modeli, instrumentacija  
i procedure (frekvencijsko područje od 4 MHz do 10 GHz)  
(IEC/IEEE 62209-1528:2020; EN IEC/IEEE 62209-1528:2021)  
Measurement procedure for the assessment of specific  
absorption rate of human exposure to radio frequency fields  
from hand-held and body-mounted wireless communication  
devices – Part 1528: Human models, instrumentation,  
and procedures (Frequency range of 4 MHz to 10 GHz)  
(IEC/IEEE 62209-1528:2020; EN IEC/IEEE 62209-1528:2021)

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

HRN EN 50667:2017/A1:2021 en pr  
Informacijska tehnologija – Sustavi za automatizirano  
upravljanje infrastrukturom (AIM) – Zahtjevi, razmjena  
podataka i primjene (EN 50667:2016/A1:2021)  
Information technology – Automated infrastructure  
management (AIM) systems – Requirements, data exchange  
and applications (EN 50667:2016/A1:2021)

### **HZN/TO T4, Normizacija u telekomunikacijama**

HRN EN 300 422-1 V2.2.1:2021 en pr  
Bežični mikrofoni – Audio PMSE do 3 GHz – 1. dio: Audio  
PMSE oprema do 3 GHz – Harmonizirana norma za pristup  
radijskom spektru (EN 300 422-1 V2.2.1:2021)  
Wireless Microphones – Audio PMSE up to 3 GHz – Part 1:  
Audio PMSE Equipment up to 3 GHz – Harmonised Standard  
for access to radio spectrum (EN 300 422-1 V2.2.1:2021)

HRN EN 301 390 V2.1.1:2021 en pr  
Nepokretni radijski sustavi – Sustavi točka-točka i  
sustavi više točaka – Neželjene emisije u sporednoj  
domeni i granice otpornosti prijemnika na antenskom  
priključku opreme digitalnih nepokretnih radijskih sustava  
(EN 301 390 V2.1.1:2021)  
Fixed Radio Systems – Point-to-point and Multipoint Systems  
– Unwanted emissions in the spurious domain and receiver  
immunity limits at equipment/antenna port of Digital Fixed  
Radio Systems (EN 301 390 V2.1.1:2021)

HRN EN 301 489-12 V3.2.1:2021 en pr  
Norma za elektromagnetsku kompatibilnost (EMC) za  
radijsku opremu i službe – 12. dio: Posebni uvjeti za terminal  
s vrlo malim promjerom antene (VSAT), satelitske interaktivne  
zemaljske postaje koje rade u frekvencijskim područjima  
između 4 GHz i 30 GHz u nepokretnoj satelitskoj službi (FSS)  
– Harmonizirana norma za elektromagnetsku kompatibilnost  
(EN 301 489-12 V3.2.1:2021)  
ElectroMagnetic Compatibility (EMC) standard for radio  
equipment and services – Part 12: Specific conditions  
for Very Small Aperture Terminal, Satellite Interactive  
Earth Stations operated in the frequency ranges between  
4 GHz and 30 GHz in the Fixed Satellite Service (FSS)  
– Harmonised Standard for ElectroMagnetic Compatibility  
(EN 301 489-12 V3.2.1:2021)

HRN EN 301 489-20 V2.2.1:2021 en pr  
Norma za elektromagnetsku kompatibilnost (EMC) za radijsku opremu i službe – 20. dio: Posebni uvjeti za pokretne zemaljske postaje (MES) koje se upotrebljavaju u pokretnim satelitskim službama (MSS) – Harmonizirana norma za elektromagnetsku kompatibilnost (EN 301 489-20 V2.2.1:2021)  
ElectroMagnetic Compatibility (EMC) standard for radio equipment and services – Part 20: Specific conditions for Mobile Earth Stations (MES) used in the Mobile Satellite Services (MSS) – Harmonised Standard for ElectroMagnetic Compatibility (EN 301 489-20 V2.2.1:2021)

HRN EN 301 489-52 V1.2.1:2021 en pr  
Norma za elektromagnetsku kompatibilnost (EMC) za radijsku opremu i službe – 52. dio: Posebni uvjeti za korisničku radijsku i pomoćnu opremu za celularnu komunikaciju – Harmonizirana norma za elektromagnetsku kompatibilnost (EN 301 489-52 V1.2.1:2021)  
ElectroMagnetic Compatibility (EMC) standard for radio equipment and services – Part 52: Specific conditions for Cellular Communication User Equipment (UE) radio and ancillary equipment – Harmonised Standard for ElectroMagnetic Compatibility (EN 301 489-52 V1.2.1:2021)

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

HRN EN ISO 23999:2021 en pr  
Elastične podne obloge – Određivanje dimenzijske stabilnosti i valovitosti nakon izlaganja toplini (ISO 23999:2021; EN ISO 23999:2021)  
Resilient floor coverings – Determination of dimensional stability and curling after exposure to heat (ISO 23999:2021; EN ISO 23999:2021)

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

HRN EN ISO 4787:2021 en pr  
Laboratorijsko stakleno i plastično posuđe – Volumetrijski instrumenti – Metode za ispitivanje kapaciteta i upotrebu (ISO 4787:2021; EN ISO 4787:2021)  
Laboratory glass and plastic ware – Volumetric instruments – Methods for testing of capacity and for use (ISO 4787:2021; EN ISO 4787:2021)

HRN EN 17618:2021 en pr  
Adhezivi – Lijepljeni spojevi drvo-drvo za nekonstrukcijske primjene – Određivanje posmične čvrstoće tlačnim opterećenjem (EN 17618:2021)  
Adhesives – Wood-to-wood adhesive bonds for non-structural applications – Determination of shear strength by compressive loading (EN 17618:2021)

HRN EN 17619:2021 en pr  
Klasifikacija adheziva za drvo za nekonstrukcijske primjene u otvorenim prostorima (EN 17619:2021)  
Classification of wood adhesives for non-structural timber products for exterior use (EN 17619:2021)

HRN EN ISO 22553-13:2021 en pr  
Boje i lakovi – Prevlake za nanošenje elektrodepozicijom – 13. dio: Određivanje ponašanja s obzirom na ponovno otapanje (ISO 22553-13:2021; EN ISO 22553-13:2021)  
Paints and varnishes – Electro-deposition coatings – Part 13: Determination of re-solving behaviour (ISO 22553-13:2021; EN ISO 22553-13:2021)

HRN EN ISO 22553-14:2021 en pr  
Boje i lakovi – Prevlake za nanošenje elektrodepozicijom – 14. dio: Ponašanje s obzirom na taloženje (ISO 22553-14:2021; EN ISO 22553-14:2021)  
Paints and varnishes – Electro-deposition coatings – Part 14: Deposition behaviour (ISO 22553-14:2021; EN ISO 22553-14:2021)

HRN EN ISO/ASTM 52900:2021 en pr  
Aditivna proizvodnja – Opća načela – Osnove i terminološki rječnik (ISO/ASTM 52900:2021; EN ISO/ASTM 52900:2021)  
Additive manufacturing – General principles – Fundamentals and vocabulary (ISO/ASTM 52900:2021; EN ISO/ASTM 52900:2021)

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

HRN EN ISO 11665-11:2021 en pr  
Mjerenje radioaktivnosti u okolišu – Zrak: radon-222 – 11. dio: Metoda ispitivanja plinova u tlu uzorkovanjem na određenim dubinama (ISO 11665-11:2016; EN ISO 11665-11:2019)  
Measurement of radioactivity in the environment – Air: radon-222 – Part 11: Test method for soil gas with sampling at depth (ISO 11665-11:2016; EN ISO 11665-11:2019)

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

HRN EN ISO 20675:2021 en pr  
Biogas – Biogas production, conditioning, upgrading and utilization – Terms, definitions and classification scheme (ISO 20675:2018; EN ISO 20675:2021)

HRN EN ISO 22580:2021 en pr  
Flares for combustion of biogas (ISO 22580:2020; EN ISO 22580:2021)

HRN EN ISO 23590:2021 en pr  
Household biogas system requirements: design, installation, operation, maintenance and safety (ISO 23590:2020; EN ISO 23590:2021)

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

HRN EN ISO 5832-3:2021 en pr  
Kirurški implantati – Metalni materijali – 3. dio: Kovana legura titana koja sadrži 6% aluminija i 4% vanadija (ISO 5832-3:2021; EN ISO 5832-3:2021)  
Implants for surgery – Metallic materials – Part 3: Wrought titanium 6-aluminium 4-vanadium alloy (ISO 5832-3:2021; EN ISO 5832-3:2021)

HRN EN ISO 7711-1:2021 en pr  
Stomatologija – Dijamantni stomatološki instrumenti – 1. dio: Opći zahtjevi (ISO 7711-1:2021; EN ISO 7711-1:2021)  
Dentistry – Dental diamond instruments – Part 1: General requirements (ISO 7711-1:2021; EN ISO 7711-1:2021)

HRN EN ISO 9680:2021 en pr  
Stomatologija – Operacijska rasvjeta (ISO 9680:2021; EN ISO 9680:2021)  
Dentistry – Operating lights (ISO 9680:2021; EN ISO 9680:2021)

HRS CEN/TS 17500:2021 en pr  
Kvaliteta skrbi i potpore za starije osobe (CEN/TS 17500:2021)  
Quality of care and support for older persons (CEN/TS 17500:2021)

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

HRN EN IEC 60404-17:2021 en pr  
Magnetski materijali – 17. dio: Metode mjerenja magnetostriktnih karakteristika zrnato orijentirane električne čelične trake i lima pomoću ispitivača pojedinačnih limova i optičkog senzora (IEC 60404-17:2021; EN IEC 60404-17:2021)  
Magnetic materials – Part 17: Methods of measurement of the magnetostriction characteristics of grainoriented electrical steel strip and sheet by means of a single sheet tester and an optical sensor (IEC 60404-17:2021; EN IEC 60404-17:2021)

HRN EN IEC 60695-2-10:2021 en pr  
Ispitivanje opasnosti od požara – Dio 2-10: Metode ispitivanja na bazi užarene/vruće žice – Uređaji s užarenom žicom i uobičajeni postupci ispitivanja (IEC 60695-2-10:2021; EN IEC 60695-2-10:2021)  
Fire hazard testing – Part 2-10: Glowing/hot-wire based test methods – Glow-wire apparatus and common test procedure (IEC 60695-2-10:2021; EN IEC 60695-2-10:2021)

HRN EN IEC 60695-2-11:2021 en pr  
Ispitivanje na opasnost od požara – Dio 2-11: Metode ispitivanja na bazi užarene/vruće žice – Metoda ispitivanja zapaljivosti gotovih proizvoda užarenom žicom (GWEPT) (IEC 60695-2-11:2021; EN IEC 60695-2-11:2021)  
Fire hazard testing – Part 2-11: Glowing/hot-wire based test methods – Glow-wire flammability test method for end-products (GWEPT) (IEC 60695-2-11:2021; EN IEC 60695-2-11:2021)

HRN EN IEC 60695-2-12:2021 en pr  
Ispitivanje na opasnost od požara – Dio 2-12: Metode ispitivanja na bazi užarene/vruće žice – Metoda ispitivanja zapaljivosti materijala užarenom žicom (GWFI) (IEC 60695-2-12:2021; EN IEC 60695-2-12:2021)  
Fire hazard testing – Part 2-12: Glowing/hot-wire based test methods – Glow-wire flammability index (GWFI) test method for materials (IEC 60695-2-12:2021; EN IEC 60695-2-12:2021)

HRN EN IEC 60695-5-1:2021 en pr  
Ispitivanje opasnosti od požara – Dio 5-1: Korozivni štetni učinci otpadnih voda od požara – Opće upute (IEC 60695-5-1:2021; EN IEC 60695-5-1:2021)  
Fire hazard testing – Part 5-1: Corrosion damage effects of fire effluent – General guidance (IEC 60695-5-1:2021; EN IEC 60695-5-1:2021)

HRN EN IEC 60695-7-2:2021 en pr  
Ispitivanje opasnosti od požara – Dio 7-2: Toksičnost otpadnih voda od požara – Sažetak i značaj metoda ispitivanja (IEC 60695-7-2:2021; EN IEC 60695-7-2:2021)  
Fire hazard testing – Part 7-2: Toxicity of fire effluent – Summary and relevance of test methods (IEC 60695-7-2:2021; EN IEC 60695-7-2:2021)

HRN EN IEC 61788-22-2:2021 en pr  
Supravodljivost – Dio 22-2: Mjerenje normalne otpornosti i kritične struje – Josephsonov spoj visoke Tc (IEC 61788-22-2:2021; EN IEC 61788-22-2:2021)  
Superconductivity – Part 22-2: Normal state resistance and critical current measurement – High-Tc Josephson junction (IEC 61788-22-2:2021; EN IEC 61788-22-2:2021)

## HZN/TU V1, *Elektronika 1*

HRN EN 50090-6-2:2021 en pr  
Elektronički sustavi u stanovima i zgradama (HBES) – Dio 6-2: Opis modela semantičke ontologije IoT-a (EN 50090-6-2:2021)  
Home and Building Electronic Systems (HBES) – Part 6-2: IoT Semantic Ontology model description (EN 50090-6-2:2021)

HRN EN 50411-2-4:2021 en pr  
Sustavi upravljanja optičkim vlaknima i zaštitna kućišta za optičke komunikacijske sustave – Specifikacije proizvoda – Dio 2-4: Kućišta optičkih spojnica sa zatvorenim poklopcima za kategoriju S & A (EN 50411-2-4:2021)  
Fibre management systems and protective housings to be used in optical fibre communication systems – Product specifications – Part 2-4: Sealed dome fibre splice closures for category S & A (EN 50411-2-4:2021)

HRN EN IEC 60891:2021 en pr  
Fotonaponski uređaji – Postupci za korekciju izmjerenih karakteristika I-V prema temperaturi i zračenju (IEC 60891:2021; EN IEC 60891:2021)  
Photovoltaic devices – Procedures for temperature and irradiance corrections to measured I-V characteristics (IEC 60891:2021; EN IEC 60891:2021)

HRN EN IEC 61010-2-011:2021 en pr  
Sigurnosni zahtjevi za mjernu, upravljačku i laboratorijsku električnu opremu – Dio 2-011: Posebni zahtjevi za rashladnu opremu (IEC 61010-2-011:2019; EN IEC 61010-2-011:2021)  
Safety requirements for electrical equipment for measurement, control, and laboratory use – Part 2-011: Particular requirements for refrigerating equipment (IEC 61010-2-011:2019; EN IEC 61010-2-011:2021)

HRN EN IEC 61010-2-011:2021/A11:2021 en pr  
Sigurnosni zahtjevi za mjernu, upravljačku i laboratorijsku električnu opremu – Dio 2-011: Posebni zahtjevi za rashladnu opremu (EN IEC 61010-2-011:2021/A11:2021)  
Safety requirements for electrical equipment for measurement, control, and laboratory use – Part 2-011: Particular requirements for refrigerating equipment (EN IEC 61010-2-011:2021/A11:2021)

HRN EN IEC 61010-2-040:2021 en pr  
Sigurnosni zahtjevi za mjernu, upravljačku i laboratorijsku električnu opremu – Dio 2-040: Posebni zahtjevi za sterilizatore i perilice za raskuživanje koje se upotrebljavaju za obradu medicinskih tvari (IEC 61010-2-040:2020; EN IEC 61010-2-040:2021)  
Safety requirements for electrical equipment for measurement, control, and laboratory use – Part 2-040: Particular requirements for sterilizers and washer-disinfectors used to treat medical materials (IEC 61010-2-040:2020; EN IEC 61010-2-040:2021)

HRN EN 62044-3:2008/Ispr.1:2021 en pr  
Jezgre izrađene od mekih magnetskih materijala – Metode mjerenja – 3. dio: Magnetska svojstva pri visokoj razini pobude (IEC 62044-3:2000/Corr.1:2021; EN 62044-3:2001/AC:2021)  
Cores made of soft magnetic materials – Measuring methods – Part 3: Magnetic properties at high excitation level (IEC 62044-3:2000/Corr.1:2021; EN 62044-3:2001/AC:2021)

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

HRN EN IEC 60974-8:2021 en pr  
Oprema za elektrolučno zavarivanje – 8. dio: Konzole za sustave plinskog zavarivanja i rezanja plazmom (IEC 60974-8:2021; EN IEC 60974-8:2021)  
Arc welding equipment – Part 8: Gas consoles for welding and plasma cutting systems (IEC 60974-8:2021; EN IEC 60974-8:2021)

HRN EN IEC 60974-10:2021 en pr  
Oprema za elektrolučno zavarivanje – 10. dio: Zahtjevi za elektromagnetsku kompatibilnost (EMC) (IEC 60974-10:2020; EN IEC 60974-10:2021)  
Arc welding equipment – Part 10: Electromagnetic compatibility (EMC) requirements (IEC 60974-10:2020; EN IEC 60974-10:2021)

HRN EN IEC 62135-2:2021 en pr  
Oprema za elektrootporno zavarivanje – 2. dio: Zahtjevi za elektromagnetsku kompatibilnost (EMC) (IEC 62135-2:2020; EN IEC 62135-2:2021)  
Resistance welding equipment – Part 2: Electromagnetic compatibility (EMC) requirements (IEC 62135-2:2020; EN IEC 62135-2:2021)

HRN EN IEC 63159-1:2021 en pr  
Kućanski električni protočni grijači vode – Metode za mjerenje značajki – 1. dio: Opći aspekti (IEC 63159-1:2021; EN IEC 63159-1:2021)  
Household electric instantaneous water heaters – Methods for measuring the performance – Part 1: General aspects (IEC 63159-1:2021; EN IEC 63159-1:2021)

HRN EN IEC 63159-2:2021 en pr  
Kućanski električni protočni grijači vode – Metode za mjerenje značajki – Dio 2-2: Učinkovitost električnih protočnih grijača vode s jednim izljevnom mjestom (IEC 63159-2:2021; EN IEC 63159-2:2021)  
Household electric instantaneous water heaters – Methods for measuring the performance – Part 2-2: Efficiency of single point of use electric instantaneous water heaters (IEC 63159-2:2021; EN IEC 63159-2:2021)

## 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 nacrt hrvatskih norma dostavljaju se Hrvatskom zavodu za norme (uz naznaku tehničkog odbora i referencijsku oznaku nacrt hrvatske norme) u roku od 30 dana od dana objave rasprave u službenom glasilu Hrvatskoga zavoda za norme (HZN e-glasilo). Nacrta su hrvatskih norma zainteresiranima na raspolaganju u Normoteci Hrvatskoga zavoda za norme, Ulica grada Vukovara 78, Zagreb.

## HZN/TO 548, *Konstruktivski eurokodovi*

nHRN EN 1992-4:2019/NA hr-en izv  
Eurokod 2: Projektiranje betonskih konstrukcija – 4. dio: Projektiranje pričvršćivača za uporabu u betonu – Nacionalni dodatak  
Eurocode 2: Design of concrete structures – Part 4: Design of fastenings for use in concrete – 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 6, *Papir, karton i pulpe*

prEN ISO 638-1 en

Paper, board, pulps and cellulosic nanomaterials – Determination of dry matter content by oven-drying method – Part 1: Materials in solid form (ISO/FDIS 638-1:2021; prEN ISO 638-1)

Papir, karton, pulpa i celulozni nanomaterijali – Određivanje udjela suhog sadržaja metodom sušenja u pećnici – 1. dio: Materijali u krutom obliku (ISO/FDIS 638-1:2021; prEN ISO 638-1)

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

ISO 4568:2021 en

Ships and marine technology – Sea-going vessels – Windlasses and anchor capstans  
Brodovi i pomorska tehnologija – Pomorski plovni objekti – Vitla i sidrena vitla

ISO 15364:2021 en

Ships and marine technology – Pressure-vacuum valves for cargo tanks and devices to prevent the passage of flame into cargo tanks  
Brodovi i pomorska tehnologija – Tlačno/vakuumski ventili za spremnike tereta i uređaji za sprječavanje prolaska plamena u spremnike tereta

ISO 15370:2021 en

Ships and marine technology – Low-location lighting (LLL) on passenger ships – Arrangement  
Brodovi i pomorska tehnologija – Nisko smještena rasvjeta na putničkim brodovima (LLL) – Razmještaj

ISO 15372:2000/Amd 1:2021 en

Ships and marine technology – Inflatable rescue boats – Coated fabrics for inflatable chambers – Amendment 1: Oil-resistance test  
Brodovi i pomorska tehnologija – Brodice za spašavanje na napuhavanje – Impregnirana tkanina za napuhujuće komore – Amandman 1: Ispitivanje otpornosti na ulje

ISO 16273:2020 en

Ships and marine technology – Night vision equipment for high-speed craft – Operational and performance requirements, methods of testing and required test results  
Brodovi i pomorska tehnologija – Oprema za vidljivost noću za brza plovila – Operativni i izvedbeni zahtjevi, metode ispitivanja i zahtijevani rezultati ispitivanja

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

prEN ISO 25119-1 en

Tractors and machinery for agriculture and forestry – Safety-related parts of control systems – Part 1: General principles for design and development (ISO 25119-1:2018)  
Traktori i mehanizacija za poljoprivredu i šumarstvo – Sigurnosni dijelovi sustava za nadzor – 1. dio: Opća načela za projektiranje i razvoj (ISO 25119-1:2018)

EN ISO 25119-1:202X/prA1 en

Tractors and machinery for agriculture and forestry – Safety-related parts of control systems – Part 1: General principles for design and development (ISO 25119-1:2018/Amd 1:2020)  
Traktori i mehanizacija za poljoprivredu i šumarstvo – Sigurnosni dijelovi sustava za nadzor – 1. dio: Opća načela za projektiranje i razvoj (ISO 25119-1:2018/Amd 1:2020)

prEN ISO 25119-2 en

Tractors and machinery for agriculture and forestry – Safety-related parts of control systems – Part 2: Concept phase (ISO 25119-2:2019)  
Traktori i mehanizacija za poljoprivredu i šumarstvo – Sigurnosni dijelovi sustava za nadzor – 2. dio: Faza koncepta (ISO 25119-2:2019)

prEN ISO 25119-3 en

Tractors and machinery for agriculture and forestry – Safety-related parts of control systems – Part 3: Series development, hardware and software (ISO 25119-3:2018)  
Traktori i mehanizacija za poljoprivredu i šumarstvo – Sigurnosni dijelovi sustava za nadzor – 3. dio: Razvoj nizova, hardvera i softvera (ISO 25119-3:2018)

EN ISO 25119-3:202X/prA1 en

Tractors and machinery for agriculture and forestry – Safety-related parts of control systems – Part 3: Series development, hardware and software (ISO 25119-3:2018/Amd 1:2020)  
Traktori i mehanizacija za poljoprivredu i šumarstvo – Sigurnosni dijelovi sustava za nadzor – 3. dio: Razvoj nizova, hardvera i softvera (ISO 25119-3:2018/Amd 1:2020)

prEN ISO 25119-4 en

Tractors and machinery for agriculture and forestry – Safety-related parts of control systems – Part 4: Production, operation, modification and supporting processes (ISO 25119-4:2018)  
Traktori i mehanizacija za poljoprivredu i šumarstvo – Sigurnosni dijelovi sustava za nadzor – 4. dio: Proizvodnja, rad, modifikacija i postupci za podršku (ISO 25119-4:2018)

EN ISO 25119-4:202X/prA1 en

Tractors and machinery for agriculture and forestry – Safety-related parts of control systems – Part 4: Production, operation, modification and supporting processes (ISO 25119-4:2018/Amd 1:2020)  
Traktori i mehanizacija za poljoprivredu i šumarstvo – Sigurnosni dijelovi sustava za nadzor – 4. dio: Proizvodnja, rad, modifikacija i postupci za podršku (ISO 25119-4:2018/Amd 1:2020)

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

prEN ISO 7278-2 en

Petroleum measurement systems – Part 2: Pipe prover design, calibration and operation (ISO/DIS 7278-2:2021)

prEN 16329 en

Diesel and domestic heating fuels – Determination of cold filter plugging point – Linear cooling bath method  
Dizelsko gorivo i loživa ulja – Određivanje točke filtrabilnosti – Metoda linearnoga hlađenja u kupelji

#### HZN/TO 82, *Rudarstvo*

prEN ISO 23875 en

Mining – Air quality control systems for operator enclosures – Performance requirements and test methods (ISO 23875:2021)

#### HZN/TO 120, *Koža i obuća*

prEN ISO 11644 en

Leather – Test for adhesion of finish (ISO/DIS 11644:2021)  
Koža – Ispitivanje prijanjanja završnog sloja (ISO/DIS 11644:2021)

prEN 15987 en

Leather – Terminology – Key definitions for the leather trade  
Koža – Nazivlje – Ključne definicije u trgovanju kožom

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

prEN 12946 en

Liming materials – Determination of the calcium content and magnesium content – Complexometric method  
Tvari za kalcifikaciju – Određivanje udjela kalcija i magnezija – Kompleksometrijska metoda

prEN 15560 en

Fertilizers – Determination of total nitrogen in calcium cyanamide nitrate free  
Gnojiva – Određivanje ukupnog dušika u kalcijevom cijanamidu bez nitrata

prEN 15561 en

Fertilizers – Determination of total nitrogen in calcium cyanamide containing nitrates  
Gnojiva – Određivanje ukupnog dušika u kalcijevom cijanamidu koji sadrži nitrata



prEN 15562 en  
Fertilizers – Determination of cyanamide nitrogen  
Gnojiva – Određivanje cijanamidnog dušika

### **HZN/TO 136, Namještaj**

prEN 1729-2 en  
Furniture – Chairs and tables for educational institutions – Part 2: Safety requirements and test methods  
Namještaj – Stolice i stolovi za obrazovne ustanove – 2. dio: Sigurnosni zahtjevi i metode ispitivanja

prEN 14434 en  
Writing boards for educational institutions – Ergonomic, technical and safety requirements and their test methods  
Ploče za pisanje za obrazovne ustanove – Ergonomski, tehnički i sigurnosni zahtjevi i metode njihova ispitivanja

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

EN 17176-2:2019/prA1 en  
Plastics piping systems for water supply and for buried and above ground drainage, sewerage and irrigation under pressure – Oriented unplasticized poly(vinyl chloride) (PVC-O) – Part 2: Pipes  
Plastični cijevni sustavi za opskrbu vodom i podzemnu i nadzemnu tlačnu odvodnju, kanalizaciju i navodnjavanje – Orijentirani neomekšani poli(vinil-klorid) (PVC-O) – 2. dio: Cijevi

### **HZN/TO 145, Grafički simboli**

EN ISO 7010:2020/prA2 en  
Graphical symbols – Safety colours and safety signs – Registered safety signs (ISO 7010:2019/Amd 2:2020)  
Grafički simboli – Boje i znakovi sigurnosti – Registrirani znakovi sigurnosti (ISO 7010:2019/Amd 2:2020)

EN ISO 7010:2020/prA3 en  
Graphical symbols – Safety colours and safety signs – Registered safety signs (ISO 7010:2019/Amd 3:2021)  
Grafički simboli – Boje i znakovi sigurnosti – Registrirani znakovi sigurnosti (ISO 7010:2019/Amd 3:2021)

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

prEN 15267-1 en  
Air quality – Assessment of air quality monitoring equipment – Part 1: General principles of certification

prEN 15267-2 en  
Air quality – Assessment of air quality monitoring equipment – Part 2: Initial assessment of the manufacturer's quality management system and post certification surveillance for the manufacturing process  
Kvaliteta zraka – Ocjena uređaja za praćenje kvalitete zraka – 2. dio: Početno ocjenjivanje proizvođačkog sustava upravljanja kvalitetom i naknadni certifikacijski nadzor proizvodnog procesa

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

prEN 16479 en  
Water quality – Performance requirements and conformity test procedures for water monitoring equipment – Automated sampling devices (samplers) for water and waste water  
Kvaliteta vode – Zahtjevi izvedbe i postupci ispitivanja sukladnosti opreme za praćenje stanja vode – Automatizirane naprave za uzorkovanje (uzorkivači) vode i otpadne vode

prEN 17805 en  
Water sampling for capture of microbial environmental DNA in aquatic environments

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

prEN ISO 7933 en  
Ergonomics of the thermal environment – Analytical determination and interpretation of heat stress using calculation of the predicted heat strain (ISO/DIS 7933:2021)  
Ergonomija toplinskog okoliša – Analitičko određivanje i interpretacija toplinskog naprezanja upotrebom prediktivnog modela toplinskih deformacija (ISO/DIS 7933:2021)

prEN ISO 9241-394 en  
Ergonomics of human-system interaction – Part 394: Ergonomic requirements for reducing undesirable biomedical effects of visually induced motion sickness during watching electronic images (ISO 9241-394:2020)

prEN ISO 9241-940 en  
Ergonomics of human-system interaction – Part 940: Evaluation of tactile and haptic interactions (ISO 9241-940:2017)

prEN ISO 9241-971 en  
Ergonomics of human-system interaction – Part 971: Accessibility of tactile/haptic interactive systems (ISO 9241-971:2020)

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

prEN ISO 9288 en  
Thermal insulation – Heat transfer by radiation – Physical quantities and definitions (ISO/DIS 9288:2021)  
Toplinska izolacija – Prijenos topline zračenjem – Fizikalne veličine i definicije (ISO/DIS 9288:2021)

### **HZN/TO 182, Geotehničke konstrukcije**

EN ISO 17892-1:2014/prA1 en  
Geotechnical investigation and testing – Laboratory testing of soil – Part 1: Determination of water content (ISO 17892-1:2014/DAM 1:2021)  
Geotehničko istraživanje i ispitivanje – Laboratorijsko ispitivanje tla – 1. dio: Određivanje vlažnosti (ISO 17892-1:2014/DAM 1:2021)

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

prEN ISO 27269 en  
Health informatics – International patient summary (ISO 27269:2021)  
Zdravstvena informatika – Sažetak međunarodnih pacijentovih medicinskih podataka (ISO 27269:2021)

### **HZN/TO 217, Kozmetika**

EN ISO 11930:2019/prA1 en  
Cosmetics – Microbiology – Evaluation of the antimicrobial protection of a cosmetic product (ISO 11930:2019/DAM 1:2021)  
Kozmetika – Mikrobiologija – Procjena antimikrobne zaštite kozmetičkog proizvoda (ISO 11930:2019/DAM 1:2021)

EN ISO 16212:2017/prA1 en  
Cosmetics – Microbiology – Enumeration of yeast and mould (ISO 16212:2017/DAM 1:2021)  
Kozmetika – Mikrobiologija – Određivanje broja kvasaca i plijesni (ISO 16212:2017/DAM 1:2021)

EN ISO 18415:2017/prA1 en  
Cosmetics – Microbiology – Detection of specified and non-specified microorganisms (ISO 18415:2017/DAM 1:2021)  
Kozmetika – Mikrobiologija – Dokazivanje specifičnih i nespecifičnih mikroorganizama (ISO 18415:2017/DAM 1:2021)

EN ISO 18416:2015/prA1 en  
Cosmetics – Microbiology – Detection of Candida albicans (ISO 18416:2015/DAM 1:2021)  
Kozmetika – Mikrobiologija – Dokazivanje kvasca Candida albicans (ISO 18416:2015/DAM 1:2021)

EN ISO 21149:2017/prA1 en  
Cosmetics – Microbiology – Enumeration and detection of aerobic mesophilic bacteria (ISO 21149:2017/DAM 1:2021)  
Kozmetika – Mikrobiologija – Određivanje broja i dokazivanje aerobnih mezofilnih bakterija (ISO 21149:2017/DAM 1:2021)

EN ISO 21150:2015/prA1 en  
Cosmetics – Microbiology – Detection of Escherichia coli (ISO 21150:2015/DAM 1:2021)

EN ISO 22717:2015/prA1 en  
Cosmetics – Microbiology – Detection of Pseudomonas aeruginosa (ISO 22717:2015/DAM 1:2021)  
Kozmetika – Mikrobiologija – Dokazivanje bakterije Pseudomonas aeruginosa (ISO 22717:2015/DAM 1:2021)

EN ISO 22718:2015/prA1 en  
Cosmetics – Microbiology – Detection of Staphylococcus aureus (ISO 22718:2015/DAM 1:2021)  
Kozmetika – Mikrobiologija – Dokazivanje bakterije Staphylococcus aureus (ISO 22718:2015/DAM 1:2021)

## **HZN/TO 218, Drvo**

prEN 13489 en  
Wood-flooring and parquet – Multi-layer parquet elements  
Drvene i parketne podne obloge – Višeslojni parketni elementi

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

ISO 21406:2020 en  
Tourism and related services – Yacht harbours – Essential requirements for luxury harbours  
Turističke i srodne usluge – Luke nautičkog turizma – Osnovni zahtjevi za luksuzne luke

ISO 22483:2020 en  
Tourism and related services – Hotels – Service requirements  
Turističke i srodne usluge – Hoteli – Zahtjevi za usluge

ISO 22525:2020 en  
Tourism and related services – Medical tourism – Service requirements  
Turističke i srodne usluge – Medicinski turizam – Zahtjevi za usluge

## **HZN/TO 502, Plinski uređaji**

prEN 16905-5 en  
Gas-fired endothermic engine driven heat pumps – Part 5: Calculation of seasonal performances in heating and cooling mode  
Dizalice topline s plinskim endotermnim motorom – 5. dio: Proračun sezonskih značajka pri grijanju i hlađenju

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

prEN ISO 2740 en  
Sintered metal materials, excluding hardmetals – Tensile test pieces (ISO/DIS 2740:2021)  
Sinterirani metalni materijali, osim tvrdih metala – Dijelovi za vlačno ispitivanje (ISO/DIS 2740:2021)

prEN ISO 9647 en  
Steel – Determination of vanadium content – Flame atomic absorption spectrometric method (FAAS) (ISO 9647:2020)  
Čelik – Određivanje sadržaja vanadija – Metoda plamene atomske apsorpcijske spektrometrije (FAAS) (ISO 9647:2020)

prEN 10088-1 en  
Stainless steels – Part 1: List of stainless steels  
Nehrđajući čelici – 1. dio: Popis nehrđajućih čelika

prEN 10088-2 en  
Stainless steels – Part 2: Technical delivery conditions for sheet/plate and strip of corrosion resisting steels for general purposes  
Nehrđajući čelici – 2. dio: Tehnički uvjeti isporuke za limove/ploče i trake od korozijski postojanih čelika za opće namjene

prEN 10088-3 en  
Stainless steels – Part 3: Technical delivery conditions for semi-finished products, bars, rods, wire, sections and bright products of corrosion resisting steels for general purposes  
Nehrđajući čelici – 3. dio: Tehnički uvjeti isporuke za poluproizvode, šipke, valjanu žicu, vučenu žicu, profile i svijetlo vučene proizvode od korozijski postojanih čelika za opće namjene

prEN ISO 11652 en  
Steel and iron – Determination of cobalt content – Flame atomic absorption spectrometric method (ISO 11652:1997)  
Čelik i željezo – Određivanje sadržaja kobalta – Metoda plamene atomske apsorpcijske spektrometrije (ISO 11652:1997)

prEN ISO 14284 en  
Steel and iron – Sampling and preparation of samples for the determination of chemical composition (ISO/DIS 14284:2021)  
Čelik i željezo – Uzorkovanje i priprema uzoraka za određivanje kemijskog sastava (ISO/DIS 14284:2021)

prEN ISO 18203 en  
Steel – Determination of the thickness of surface-hardened layers (ISO 18203:2016)  
Čelik – Određivanje debljine površinski kaljenih slojeva (ISO 18203:2016)

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

prEN ISO 13703-2 en  
Petroleum, petrochemical and natural gas industries – Piping systems on offshore production platforms and onshore plants – Part 2: Materials (ISO/DIS 13703-2:2021)  
Industrija nafte, petrokemije i prirodnoga plina – Cjevovodi odobalnih proizvodnih platformi i kopnenih postrojenja – 2. dio: Materijali (ISO/DIS 13703-2:2021)

prEN ISO 15589-2 en  
Petroleum, petrochemical and natural gas industries – Cathodic protection of pipeline transportation systems – Part 2: Offshore pipelines (ISO/DIS 15589-2:2021)  
Industrija nafte, petrokemijska industrija i industrija prirodnoga plina – Katodna zaštita cjevovodnih transportnih sustava – 2. dio: Odobalni cjevovodi (ISO/DIS 15589-2:2021)

## **HZN/TO 517, Posebne vrste konstrukcija**

prEN 15129-6 en  
Anti-seismic devices – Part 6: Sliding isolators  
Protupotresne naprave – 6. dio: Klizni izolatori

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

prEN 12616 en  
Surfaces for sports areas – Test methods for the determination of vertical water infiltration and horizontal water flow rates  
Površine sportskih terena – Metode ispitivanja za određivanje vertikalne vodopropusnosti i horizontalnih protoka

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

EN 14363:2016+A1:2018/prA2:2021 en  
Railway applications – Testing and Simulation for the acceptance of running characteristics of railway vehicles – Running Behaviour and stationary tests  
Željeznički sustav – Ispitivanje i simulacija za prihvatljivost voznih svojstava željezničkih vozila – Dinamička i statička ispitivanja

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

prEN ISO 306 en  
Plastics – Thermoplastic materials – Determination of Vicat softening temperature (VST) (ISO/DIS 306:2021)  
Plastika – Plastomerni materijali – Određivanje temperature omekšavanja po Vicatu (VST) (ISO/DIS 306:2021)

prEN ISO 19712-3 en  
Plastics – Decorative solid surfacing materials – Part 3: Determination of properties – Solid surface shapes (ISO/FDIS 19712-3:2021)  
Plastika – Ukrasni materijali čvrste površine – 3. dio: Određivanje svojstava – Oblici čvrste površine (ISO/FDIS 19712-3:2021)

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

EN 13922:2020/prA1 en  
Tanks for transport of dangerous goods – Service equipment for tanks – Overfill prevention systems for liquid fuels  
Spremnici za prijevoz opasnih tvari – Pomoćna oprema za spremnike – Sustavi za sprečavanje prepunjenosti za tekuća goriva

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

prEN 14336 en  
Heating systems in buildings – Installation and commissioning of water based heating systems  
Sustavi grijanja u građevinama – Ugradnja i preuzimanje sustava toplovodnog grijanja

## **HZN/TO 544, Strojni elementi**

prEN ISO 7380-1 en  
Fasteners – Button head screws with reduced loadability – Part 1: Hexagon socket button head screws (ISO/DIS 7380-1:2021)

prEN ISO 7380-2 en  
Fasteners – Button head screws with reduced loadability – Part 2: Hexagon socket button head screws with collar (ISO/DIS 7380-2:2021)

prEN ISO 14581 en

Fasteners – Hexalobular socket countersunk flat head screws (common head style) with reduced loadability (ISO/DIS 14581:2021)  
Spojni elementi – Vijci s upuštenom ravnom glavom i šesterokrakim zvjezdastim upustom (ISO/DIS 14581:2021)

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

prEN 12255-3 en

Wastewater treatment plants – Part 3: Preliminary treatment  
Uređaji za pročišćivanje otpadnih voda – 3. dio: Prethodna obrada

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

prEN ISO 10993-17 en

Biological evaluation of medical devices – Part 17: Toxicological risk assessment of medical device constituents (ISO/DIS 10993-17:2021)

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

EN 352-6:2020/prA1 en

Hearing protectors – Safety requirements – Part 6: Earmuffs with safety-related audio input  
Štitnici sluha – Sigurnosni zahtjevi – 6. dio: Ušne školjke sa sigurnosnim audio ulazom

EN 352-8:2020/prA1 en

Hearing protectors – Safety requirements – Part 8: Entertainment audio earmuffs  
Štitnici sluha – Sigurnosni zahtjevi – 8. dio: Ušne školjke s audioulazom namijenjene zabavi

EN 352-9:2020/prA1 en

Hearing protectors – Safety requirements – Part 9: Earplugs with safety-related audio input  
Štitnici sluha – Sigurnosni zahtjevi – 9. dio: Ušni čepovi sa sigurnosnim audio ulazom

EN 352-10:2020/prA1 en

Hearing protectors – Safety requirements – Part 10: Entertainment audio earplugs  
Štitnici sluha – Sigurnosni zahtjevi – 10. dio: Ušni čepovi s audioulazom namijenjeni zabavi

prEN ISO 10256-1 en

Protective equipment for use in ice hockey – Part 1: General requirements (ISO/DIS 10256-1:2021)  
Zaštitna oprema za hokej na ledu – 1. dio: Opći zahtjevi (ISO/DIS 10256-1:2021)

prEN ISO 10256-2 en

Protective equipment for use in ice hockey – Part 2: Head protection for skaters (ISO/DIS 10256-2:2021)  
Zaštitna oprema za hokej na ledu – 2. dio: Zaštita glave za klizače (ISO/DIS 10256-2:2021)

prEN ISO 10256-3 en

Protective equipment for use in ice hockey – Part 3: Face and eye protectors for skaters (ISO/DIS 10256-3:2021)

prEN ISO 10256-4 en

Protective equipment for use in ice hockey – Part 4: Head and face protection for goalkeepers (ISO/DIS 10256-4:2021)  
Zaštitna oprema za hokej na ledu – 4. dio: Zaštita glave i lica za vratare (ISO/DIS 10256-4:2021)

prEN ISO 12311 en

Personal protective equipment – Test methods for sunglasses and related eyewear (ISO/DIS 12311:2021)  
Osobna zaštitna oprema – Ispitne metode za sunčane naočale i očna pomagala (ISO/DIS 12311:2021)

EN 13819-3:2019/prA1 en

Hearing protectors – Testing – Part 3: Supplementary acoustic test methods  
Štitnici sluha – Ispitivanje – 3. dio: Dodatne metode akustičkih ispitivanja

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

prEN ISO 4465 en

Textiles – Animal welfare in the supply chain – General requirements for the production, preparation and traceability of Angora rabbit fibre, including ethical claims and supporting information (ISO/DIS 4465:2021)

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

prEN 13288 en

Food processing machinery – Bowl lifting and tilting machines – Safety and hygiene requirements  
Strojevi za preradu hrane – Strojevi za podizanje i nagibanje zdjela – Sigurnosni i higijenski zahtjevi

prEN 17657 en

Equipments for slaughterhouses – Slaughtering traps for bovine animals – Safety and hygiene requirements

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

EN ISO 10272-1:2017/prA1 en

Microbiology of the food chain – Horizontal method for detection and enumeration of *Campylobacter* spp. – Part 1: Detection method – Amendment 1: Inclusion of methods for molecular confirmation and identification of thermotolerant *Campylobacter* spp., and correction of the performance testing of the media (ISO 10272-1:2017/DAmD 1:2021)

EN ISO 10272-2:2017/prA1 en

Microbiology of the food chain – Horizontal method for detection and enumeration of *Campylobacter* spp. – Part 2: Colony-count technique – Amendment 1: Inclusion of methods for molecular confirmation and identification of thermotolerant *Campylobacter* spp. and correction of the performance testing of the media (ISO 10272-2:2017/DAmD 1:2021)

prEN 15634-3 en

Foodstuffs – Detection of food allergens by molecular biological methods – Part 3: Hazelnut (*Corylus avellana*) – Qualitative detection of a specific DNA sequence in chocolate by real-time PCR

prEN 15634-4 en

Foodstuffs – Detection of food allergens by molecular biological methods – Part 4: Peanut (*Arachis hypogaea*) – Qualitative detection of a specific DNA sequence in chocolate by real-time PCR

prEN 15634-5 en

Foodstuffs – Detection of food allergens by molecular biological methods – Part 5: Mustard (*Sinapis alba*) and soya (*Glycine max*) – Qualitative detection of a specific DNA sequence in cooked sausages by real-time PCR

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

prEN ISO 11268-2 en

Soil quality – Effects of pollutants on earthworms – Part 2: Determination of effects on reproduction of *Eisenia fetida*/*Eisenia andrei* (ISO/DIS 11268-2:2021)  
Kvaliteta tla – Učinci onečišćivača na gujavice – 2. dio: Određivanje učinaka na reprodukciju vrsta *Eisenia fetida*/*Eisenia andrei* (ISO/DIS 11268-2:2021)

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

prEN IEC 62056-5-3:2021 en

Electricity metering data exchange – The DLMS/COSEM suite – Part 5-3: DLMS/COSEM application layer (IEC 62056-5-3 ED4)  
Razmjena podataka mjerenja električne energije – Oprema DLMS/COSEM (Device Language Message Specification / Companion Specification for Energy Metering) – Dio 5-3: Sloj primjene DLMS/COSEM-a (IEC 62056-5-3 ED4)

prEN IEC 62056-6-1:2021 en

Electricity metering data exchange – The DLMS/COSEM suite – Part 6-1: Object Identification System (OBIS) (IEC 62056-6-1 ED4)  
Razmjena podataka mjerenja električne energije – Oprema DLMS/COSEM (Device Language Message Specification / Companion Specification for Energy Metering) – Dio 6-1: Sustav prepoznavanja objekta (OBIS - Object Identification System) (IEC 62056-6-1 ED4)

prEN IEC 62056-6-2:2021 en

Electricity metering data exchange – The DLMS/COSEM suite – Part 6-2: COSEM interface classes (IEC 62056-6-2 ED4)  
Razmjena podataka mjerenja električne energije – Oprema DLMS/COSEM (Device Language Message Specification / Companion Specification for Energy Metering) – Dio 6-2: COSEM razredi sučelja (IEC 62056-6-2 ED4)



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

prEN IEC 62386-202:2021 en  
Digital addressable lighting interface – Part 202: Particular requirements for control gear – Self-contained emergency lighting (device type 1) (IEC 62386-202 ED2)  
Digitalno upravljanje rasvjetom – 202. dio: Posebni zahtjevi za predfajne naprave – Autonomna rasvjeta za slučaj opasnosti (uređaji tipa 1) (IEC 62386-202 ED2)

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

prEN IEC 61970-302:2021 en  
Energy management system application program interface (EMS-API) – Part 302: Common information model (CIM) dynamics (IEC 61970-302 ED2)  
Sučelje za aplikacije vođenja elektroenergetskog sustava (EMS-API) – 302. dio: Dinamika zajedničkog modela podataka (CIM) (IEC 61970-302 ED2)

prEN IEC 61970-457:2021 en  
Energy management system application program interface (EMS-API) – Part 457: Dynamics profile (IEC 61970-457 ED2)  
Sučelje za aplikacije vođenja elektroenergetskog sustava (EMS-API) – 457. dio: Dinamički profil (IEC 61970-457 ED2)

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

FprEN IEC 60335-2-23:2019/prA1:2021 en  
Household and similar electrical appliances – Safety – Part 2-23: Particular requirements for appliances for skin or hair care (IEC 60335-2-23:2016/am1:2019)  
Kućanski i slični električni aparati – Sigurnost – Dio 2-23: Posebni zahtjevi aparata za njegu kože ili kose (IEC 60335-2-23:2016/am1:2019)

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

prEN IEC 60601-2-43:2021 en  
Medical electrical equipment – Part 2-43: Particular requirements for the basic safety and essential performance of X-ray equipment for interventional procedures (IEC 60601-2-43 ED3)  
Medicinski električni uređaji – Dio 2-43: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke rendgenskih uređaja za intervencijske zahvate (IEC 60601-2-43 ED3)

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

prEN IEC 62453-71:2021 en  
Field device tool (FDT) interface specification – Part 71: OPC UA Information Model for FDT (IEC 62453-71 ED1)  
Specifikacija sučelja alata za uređaje u postrojenju (FDT) – 71. dio: OPC UA informacijski model za FDT (IEC 62453-71 ED1)

## **HZN/TO E81, Zaštita od munje**

prEN IEC 62561-1:2021 en  
Lightning protection system components (LPSC) – Part 1: Requirements for connection components (IEC 62561-1 ED3)  
Komponente sustava zaštite od munje (LPSC) – 1. dio: Zahtjevi za spojne komponente (IEC 62561-1 ED3)

## **HZN/TO E95, Mjerni releji i zaštitna oprema**

prEN IEC 60255-27:2021 en  
Measuring relays and protection equipment – Part 27: Product safety requirements (IEC 60255-27 ED3)  
Mjerni releji i zaštitna oprema – 27. dio: Zahtjevi za sigurnost proizvoda (IEC 60255-27 ED3)

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

prEN IEC 62702-1-1:2021 en  
Audio archive system – Part 1-1: DVD disk and data migration for long term audio data storage (IEC 62702-1-1 ED2)  
Sustav za audio pohranjivanje – Dio 1-1: DVD disk i migracija podataka za dugotrajno pohranjivanje audio podataka (IEC 62702-1-1 ED2)

prEN IEC 62702-1-2:2021 en  
Audio archive system – Part 1-2: BD disk and data migration for long-term audio data storage (IEC 62702-1-2 ED2)  
Sustav za audio pohranjivanje – Dio 1-2: BD disk i migracija podataka za dugotrajno pohranjivanje audio podataka (IEC 62702-1-2 ED2)

prEN IEC 63207:2021 en  
Measuring methods of blue-light characteristics and related optical performances for visual display terminal (TA 2) (IEC 63207 ED1)

## **HZN/TO T4, Normizacija u telekomunikacijama**

Final draft EN 301 489-3 V2.2.0:2021 en  
ElectroMagnetic Compatibility (EMC) standard for radio equipment and services – Part 3: Specific conditions for Short Range Devices (SRD) operating on frequencies between 9 kHz and 246 GHz – Harmonised Standard for ElectroMagnetic Compatibility  
Norma elektromagnetske kompatibilnosti (EMC) za radijske uređaje i službe – 3. dio: Posebni zahtjevi za naprave kratkoga dometa (SRD) koje rade na frekvencijama između 9 kHz i 246 GHz – Harmonizirana norma za elektromagnetsku kompatibilnost

Draft EN 301 598 V2.2.0:2021 en  
TV White Space Devices (TVWSD) – Wireless Access Systems operating in the 470 MHz to 694 MHz TV broadcast band – Harmonised Standard for access to radio spectrum  
TV uređaji bijelog prostora (TVWSD) – Sustavi bežičnog pristupa koji rade u pojasu od 470 MHz do 694 MHz TV emitiranja – Harmonizirana norma za pristup radijskom spektru

Final draft EN 303 363-1 V1.0.4:2021 en  
Air Traffic Control Surveillance Radar Sensors – Secondary Surveillance Radar (SSR) – Harmonised Standard for access to radio spectrum – Part 1: SSR Interrogator  
Nadzorni radarski senzori u sustavu kontrole zračnoga prometa – Sekundarni nadzorni radar (SSR) – Harmonizirana norma za pristup radijskom spektru – 1. dio: SSR pitač

Draft EN 303 722 V1.2.0:2021 en  
Wideband Data Transmission Systems (WDTS) for Fixed Network Radio Equipment operating in the 57 GHz to 71 GHz band – Harmonised Standard for access to radio spectrum  
Širokopojasni sustavi za prijenos podataka (WDTS) za radijsku opremu nepokretne mreže koja radi u opsegu od 57 GHz do 71 GHz – Harmonizirana norma za pristup radijskom spektru

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

prEN ISO/IEC 29151 en  
Information technology – Security techniques – Code of practice for personally identifiable information protection (ISO/IEC 29151:2017)  
Informacijska tehnologija – Sigurnosne tehnike – Kodeks postupaka za zaštitu osobnih identifikacijskih podataka (ISO/IEC 29151:2017)

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

prEN 927-14 en  
Paints and varnishes – Coating materials and coating systems for exterior wood – Determination of tensile properties of coating films

prEN ISO 11127-7 en  
Preparation of steel substrates before application of paints and related products – Test methods for non-metallic blast-cleaning abrasives – Part 7: Determination of water-soluble chlorides (ISO/DIS 11127-7:2021)  
Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Ispitne metode za nemetalne abrazive za čišćenje mlazom – 7. dio: Određivanje klorida topljivih u vodi (ISO/DIS 11127-7:2021)

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

prEN 17795-5 en  
Entertainment Technology – Codes of Practice – Part 5: Lifting and motion Operations in the Event Industry



## HZN/TU N1, Nemetalni materijali 1

- prEN ISO 17138 en  
Fine ceramics (advanced ceramics, advanced technical ceramics) – Mechanical properties of ceramic composites at room temperature – Determination of flexural strength (ISO 17138:2014)
- prEN ISO 17139 en  
Fine ceramics (advanced ceramics, advanced technical ceramics) – Thermophysical properties of ceramic composites – Determination of thermal expansion (ISO 17139:2014)
- prEN ISO 18608 en  
Fine ceramics (advanced ceramics, advanced technical ceramics) – Mechanical properties of ceramic composites at ambient temperature in air atmospheric pressure – Determination of the resistance to crack propagation by notch sensitivity testing (ISO 18608:2017)
- prEN ISO 18754 en  
Fine ceramics (advanced ceramics, advanced technical ceramics) – Determination of density and apparent porosity (ISO 18754:2020)
- prEN ISO 19629 en  
Fine ceramics (advanced ceramics, advanced technical ceramics) – Thermophysical properties of ceramic composites – Determination of unidimensional thermal diffusivity by flash method (ISO 19629:2018)
- prEN ISO 22459 en  
Fine ceramics (advanced ceramics, advanced technical ceramics) – Reinforcement of ceramic composites – Determination of distribution of tensile strength and tensile strain to failure of filaments within a multifilament tow at ambient temperature (ISO 22459:2020)

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

- prEN ISO 5467-1 en  
Dentistry – Mobile dental units and patient chairs – Part 1: General requirements (ISO/DIS 5467-1:2021)
- prEN ISO 5467-2 en  
Dentistry – Mobile dental units and dental patient chairs – Part 2: Air, water, suction and wastewater systems (ISO/DIS 5467-2:2021)
- prEN ISO 7551 en  
Dentistry – Absorbent points (ISO/DIS 7551:2021)
- EN ISO 8536-3:2009/prA1 en  
Infusion equipment for medical use – Part 3: Aluminium caps for infusion bottles (ISO 8536-3:2009/DAmD 1:2021)  
Oprema za infuziju za medicinsku primjenu – 3. dio: Aluminijski poklopci za boce za infuziju (ISO 8536-3:2009/DAmD 1:2021)
- prEN ISO 8872 en  
Aluminium caps and aluminium/plastic caps for infusion bottles and injection vials – General requirements and test methods (ISO/DIS 8872:2021)
- prEN ISO 21606 en  
Dentistry – Elastomeric auxiliaries for use in orthodontics (ISO/DIS 21606:2021)  
Stomatologija – Elastomerni pomoćni proizvodi za upotrebu u ortodontiji (ISO/DIS 21606:2021)

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

- EN 2755:2021 en  
Aerospace series – Bearing, spherical, plain in corrosion resisting steel with self-lubricating liner – Elevated load at ambient temperature – Technical  
Zrakoplovstvo – Ležajevi, kuglasti klizni sa samopodmazujućim prstenom izrađeni od čelika otpornog na koroziju – Visoko opterećeni pri temperaturi okoline – Tehničke specifikacije
- prEN ISO 3691-4 en  
Industrial trucks – Safety requirements and verification – Part 4: Driverless industrial trucks and their systems (ISO/DIS 3691-4:2021)  
Industrijska vozila – Sigurnosni zahtjevi i verifikacija – 4. dio: Industrijska vozila bez vozača i njihovi sustavi (ISO/DIS 3691-4:2021)

prEN 4165-013 en  
Aerospace series – Connectors, electrical, rectangular, modular – Operating temperature 175 °C continuous – Part 013: Cable clamp 2 and 4 modules for connectors, series 2 and series 3 – Product standard  
Zrakoplovstvo – Spojnice, električne, pravokutne, modularne – Stalna radna temperatura 175 °C – Dio 013: Stega za kabel za module 2 i 4 za spojnice, serije 2 i 3 – Norma za proizvod

prEN 4165-016 en  
Aerospace series – Connectors, electrical, rectangular, modular – Operating temperature 175 °C continuous – Part 016: Double oval chimney for accessory (1 per 2 modules) – Product standard  
Zrakoplovstvo – Spojnice, električne, pravokutne, modularne – Stalna radna temperatura 175 °C – Dio 016: Dvostruki ovalni dimnjak za opremu (1 po šupljini modula) – Norma za proizvod

prEN 4165-017 en  
Aerospace series – Connectors, electrical, rectangular, modular – Operating temperature 175 °C continuous – Part 017: Blank chimney for accessory (1 per module cavity) – Product standard  
Zrakoplovstvo – Spojnice, električne, pravokutne, modularne – Stalna radna temperatura 175 °C – Dio 017: Prazni dimnjak za opremu (1 po šupljini modula) – Norma za proizvod

prEN 4165-023 en  
Aerospace series – Connectors, electrical, rectangular, modular – Operating temperature 175 °C continuous – Part 023: Tooling for assembly of receptacle coding component – Product standard  
Zrakoplovstvo – Spojnice, električne, pravokutne, modularne – Stalna radna temperatura 175 °C – Dio 023: Rad alatom za ugradnju dijelova za šifriranje utičnice – Norma za proizvod

prEN 4165-024 en  
Aerospace series – Connectors, electrical, rectangular, modular – Operating temperature 175 °C continuous – Part 024: Single module plug – Product standard  
Zrakoplovstvo – Spojnice, električne, pravokutne, modularne – Stalna radna temperatura 175 °C – Dio 024: Samostalni modul utikač – Norma za proizvod

prEN 4500-006 en  
Aerospace series – Metallic materials – Rules for drafting and presentation of material standards – Part 6: Specific rules for filler metals for brazing

prEN 4877-001 en  
Aerospace series – Filler metals for welding – Part 001: Technical specification

prEN 4877-002 en  
Aerospace series – Filler metals for welding – Part 002: Authorized filler metals

prEN ISO 8098 en  
Cycles – Safety requirements for bicycles for young children (ISO/DIS 8098:2021)  
Bicikli – Sigurnosni zahtjevi za bicikle za malu djecu (ISO/DIS 8098:2021)

prEN 9104-002 en  
Aerospace series – Quality management systems – Part 2: Requirements for the Oversight of Aviation, Space, and Defense Quality Management System Certification Programs

prEN 16602-70-40 en  
Space product assurance – Processing and quality assurance requirements for hard brazing of metallic materials for flight hardware

## HZN/TU V1, Elektronika 1

prEN IEC 60286-2:2021 en  
Packaging of components for automatic handling – Part 2: Tape packaging of components with unidirectional leads on continuous tapes (IEC 60286-2 ED5)

prEN IEC 60384-1-1:2021 en  
Fixed capacitors for use in electronic equipment – Part 1-1: Generic blank detail specification (IEC 60384-1-1 ED1)

prEN IEC 60539-1:2021 en  
Directly heated negative temperature coefficient thermistors – Part 1: Generic specification (IEC 60539-1 ED4)

EN 60904-5:2011/prA1:2021 en  
Photovoltaic devices – Part 5: Determination of the equivalent cell temperature (ECT) of photovoltaic (PV) devices by the open-circuit voltage method (IEC 60904-5/am1 ED2)

prEN IEC 60966-3-3:2021 en  
Radio frequency and coaxial cable assemblies – Part 3-3: Detail specification for semi-flexible cable assemblies (jumper), Frequency range up to 18GHz, Type 50-141 semi-flexible coaxial cable (IEC 60966-3-3 ED1)

prEN IEC 60966-3-4:2021 en  
Radio frequency and coaxial cable assemblies – Part 3-4: Detail specification for semi-flexible cable assemblies (jumper), Frequency range up to 6GHz, Type 50-141 semi-flexible coaxial cable (IEC 60966-3-4 ED1)

prEN IEC 61280-4-3:2021 en  
Fibre-optic communication subsystem test procedures – Part 4-3: Installed passive optical networks – Attenuation and optical return loss measurements (IEC 61280-4-3 ED1)

prEN IEC 61290-1:2021 en  
Optical amplifiers – Test methods – Part 1: Power and gain parameters (IEC 61290-1 ED2)

prEN IEC 61753-051-02:2021 en  
Fibre optic interconnecting devices and passive components – Performance standard – Part 051-02: Plug-receptacle style single-mode fibre fixed optical attenuators for category C – Controlled environments (IEC 61753-051-02 ED1)

EN 61754-20:2012/prA1:2021 en  
Fibre optic interconnecting devices and passive components – Fibre optic connector interfaces – Part 20: Type LC connector family (IEC 61754-20/am1 ED2)

prEN IEC 61755-2-1:2021 en  
Fibre optic interconnecting devices and passive components – Connector optical interfaces for single-mode fibres – Part 2-1: Connection parameters of non-dispersion unshifted physically contacting fibres - non-angled (IEC 61755-2-1 ED2)

prEN IEC 61755-2-2:2021 en  
Fibre optic interconnecting devices and passive components – Connector optical interfaces for single-mode fibres – Part 2-2: Connection parameters of dispersion unshifted physically contacting fibres - angled (IEC 61755-2-2 ED2)

prEN IEC 62391-1:2021 en  
Fixed electric double-layer capacitors for use in electric and electronic equipment – Part 1: Generic specification (IEC 62391-1 ED3)  
Fiksni električni dvoslojni kondenzatori za električnu i elektroničku opremu – 1. dio: Opća specifikacija (IEC 62391-1 ED3)

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

prEN IEC 60143-4:2021 en  
Series capacitors for power systems – Part 4: Thyristor controlled series capacitors (IEC 60143-4 ED2)  
Serijski kondenzatori za energetske sustave – 4. dio: Serijski kondenzatori upravljani tiristorima (IEC 60143-4 ED2)

prEN IEC 61558-2-13:2021 en  
Safety of transformers, reactors, power supply units and combinations thereof – Part 2-13: Particular requirements and tests for auto transformers and power supply units incorporating auto transformers for general applications (IEC 61558-2-13 ED3)  
Sigurnost transformatora, prigušnica, jedinica za napajanje i kombinacija od toga – Dio 2-13: Posebni zahtjevi i ispitivanja za autotransformatore i jedinice za napajanje s ugrađenim autotransformatorima za opću primjenu (IEC 61558-2-13 ED3)

## **1.4 Povučene hrvatske norme**

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

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

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

HRN ISO 1762:2018 en  
Papir, karton i pulpe – Određivanje ostatka (pepela) žarenjem na 525 °C (ISO 1762:2015)  
Paper, board and pulps – Determination of residue (ash) on ignition at 525 degrees C (ISO 1762:2015)  
- zamijenjena s: HRN ISO 1762:2021

HRN ISO 2144:2018 en  
Papir, karton i pulpe – Određivanje ostatka (pepela) žarenjem na 900 °C (ISO 2144:2015)  
Paper, board and pulps – Determination of residue (ash) on ignition at 900 degrees C (ISO 2144:2015)  
- zamijenjena s: HRN ISO 2144:2021

HRN ISO 2493-2:2015 en  
Papir i karton – Određivanje otpornosti prema savijanju – 2. dio: Taberova vrsta uređaja (ISO 2493-2:2011)  
Paper and board – Determination of bending resistance – Part 2: Taber-type tester (ISO 2493-2:2011)  
- zamijenjena s: HRN ISO 2493-2:2021

HRN ISO 5628:2015 en  
Papir i karton – Određivanje krutosti – Opća načela za metode dvije točke, tri točke i četiri točke (ISO 5628:2012)  
Paper and board – Determination of bending stiffness – General principles for two-point, three-point and four-point methods (ISO 5628:2012)  
- zamijenjena s: HRN ISO 5628:2021

HRN ISO 5647:2002 en  
Papir i karton – Određivanje sadržaja titan dioksida (ISO 5647:1990)  
Paper and board – Determination of titanium dioxide content (ISO 5647:1990)  
- zamijenjena s: HRN ISO 5647:2021

HRN ISO 6588-1:2015 en  
Papir, karton i pulpe – Određivanje pH vrijednosti vodenih ekstrakta – 1. dio: Hladna ekstrakcija (ISO 6588-1:2012)  
Paper, board and pulps – Determination of pH of aqueous extracts – Part 1: Cold extraction (ISO 6588-1:2012)  
- zamijenjena s: HRN ISO 6588-1:2021

HRN ISO 6588-2:2015 en  
Papir, karton i pulpe – Određivanje pH vrijednosti vodenih ekstrakta – 2. dio: Vruća ekstrakcija (ISO 6588-2:2012)  
Paper, board and pulps – Determination of pH of aqueous extracts – Part 2: Hot extraction (ISO 6588-2:2012)  
- zamijenjena s: HRN ISO 6588-2:2021

HRN ISO 8791-4:2011 en  
Papir i karton – Određivanje hrapavosti/glatkoće (metode propuštanja zraka) – 4. dio: Print-surf metoda (ISO 8791-4:2007)  
Paper and board – Determination of roughness/smoothness (air leak methods) – Part 4: Print-surf method (ISO 8791-4:2007)  
- zamijenjena s: HRN ISO 8791-4:2021

HRN ISO 9198:2002 en  
Papir, karton i pulpe – Određivanje vodotopljivih sulfata (ISO 9198:2001)  
Paper, board and pulps – Determination of water-soluble sulfates (ISO 9198:2001)  
- zamijenjena s: HRN ISO 9198:2021

HRN ISO 9932:2002 en  
Papir i karton – Određivanje postotka propusnosti vodene pare listovnog materijala – Dinamička metoda uz strujanje plina i statička plinska metoda (ISO 9932:1990)  
Paper and board – Determination of water vapour transmission rate of sheet materials – Dynamic sweep and static gas methods (ISO 9932:1990)  
- zamijenjena s: HRN ISO 9932:2021

HRN ISO 12830:2015 en  
Papir, karton i pulpe – Određivanje magnezija, kalcija, mangana, željeza, bakra, natrija i kalija topljivih u kiselini (ISO 12830:2011)  
Paper, board and pulps – Determination of acid-soluble magnesium, calcium, manganese, iron, copper, sodium and potassium (ISO 12830:2011)  
- zamijenjena s: HRN ISO 12830:2021

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

HRN EN ISO 11680-1:2013 en  
Šumarska mehanizacija – Sigurnosni zahtjevi i ispitivanje za motorne škare za rad na visini – 1. dio: Strojevi opremljeni motorom s unutrašnjim izgaranjem (ISO 11680-1:2011; EN ISO 11680-1:2011)  
Machinery for forestry – Safety requirements and testing for pole-mounted powered pruners – Part 1: Machines fitted with an integral combustion engine (ISO 11680-1:2011; EN ISO 11680-1:2011)  
- zamijenjena s: HRN EN ISO 11680-1:2021

HRN EN ISO 11680-2:2013 en  
Šumarska mehanizacija – Sigurnosni zahtjevi i ispitivanje za motorne škare za rad na visini – 2. dio: Strojevi za upotrebu sa stražnjim pogonom (ISO 11680-2:2011; EN ISO 11680-2:2011)  
Machinery for forestry – Safety requirements and testing for pole-mounted powered pruners – Part 2: Machines for use with back-pack power source (ISO 11680-2:2011; EN ISO 11680-2:2011)  
- zamijenjena s: HRN EN ISO 11680-2:2021

HRN EN 16590-2:2014 en  
Traktori i mehanizacija za poljoprivredu i šumarstvo – Sigurnosni dijelovi sustava za nadzor – 2. dio: Faza koncepta (ISO 25119-2:2010, MOD; EN 16590-2:2014)  
Tractors and machinery for agriculture and forestry – Safety-related parts of control systems – Part 2: Concept phase (ISO 25119-2:2010, MOD; EN 16590-2:2014)  
- bez zamjene

HRN EN ISO 25119-1:2020 en  
Traktori i mehanizacija za poljoprivredu i šumarstvo – Sigurnosni dijelovi sustava za nadzor – 1. dio: Opća načela za projektiranje i razvoj (ISO 25119-1:2018; EN ISO 25119-1:2018)  
Tractors and machinery for agriculture and forestry – Safety-related parts of control systems – Part 1: General principles for design and development (ISO 25119-1:2018; EN ISO 25119-1:2018)  
- bez zamjene

HRN EN ISO 25119-3:2020 en  
Traktori i mehanizacija za poljoprivredu i šumarstvo – Sigurnosni dijelovi sustava za nadzor – 3. dio: Razvoj nizova, hardvera i softvera (ISO 25119-3:2018; EN ISO 25119-3:2018)  
Tractors and machinery for agriculture and forestry – Safety-related parts of control systems – Part 3: Series development, hardware and software (ISO 25119-3:2018; EN ISO 25119-3:2018)  
- bez zamjene

HRN EN ISO 25119-4:2020 en  
Traktori i mehanizacija za poljoprivredu i šumarstvo – Sigurnosni dijelovi sustava za nadzor – 4. dio: Proizvodnja, rad, modifikacija i postupci za podršku (ISO 25119-4:2018; EN ISO 25119-4:2018)  
Tractors and machinery for agriculture and forestry – Safety-related parts of control systems – Part 4: Production, operation, modification and supporting processes (ISO 25119-4:2018; EN ISO 25119-4:2018)  
- bez zamjene

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

HRN EN 15491:2008 en  
Etanol kao komponenta koja se namješava u benzin – Određivanje ukupne kiselosti – Metoda kolorimetrijske titracije (EN 15491:2007)  
Ethanol as a blending component for petrol – Determination of total acidity – Colour indicator titration method (EN 15491:2007)  
- zamijenjena s: HRN EN 15491:2021

HRN EN 15553:2008 en  
Naftni proizvodi i srodni materijali – Određivanje vrste ugljikovodika – Adsorpcijska metoda fluorescentnim indikatorom (EN 15553:2007)  
Petroleum products and related materials – Determination of hydrocarbon types – Fluorescent indicator adsorption method (EN 15553:2007)  
- zamijenjena s: HRN EN 15553:2021

HRN DIN 51382:2005 de  
Ispitivanje maziva – Određivanje smične stabilnosti mazivih ulja s polimerima – Metoda sapnicom za ubrizgavanje dizelskoga goriva, relativni gubitak viskoznosti zbog smicanja (DIN 51382:1996)  
Prüfung von Schmierstoffen – Bestimmung der Scherstabilität von Schmierölen mit polymeren Zusätzen – Verfahren mit Dieseleinspritzdüse, relativer Viskositätsabfall durch Scherung (DIN 51382:1996)  
- bez zamjene

HRN DIN 51400-7:1997 de  
Ispitivanje mineralnog ulja i goriva – Određivanje sadržaja sumpora (ukupni sumpor) – Mikrokulometrijsko određivanje – Metoda oksidacije (DIN 51400-7:1992)  
Prüfung von Mineralölen und Brennstoffen – Bestimmung des Schwefelgehaltes (Gesamtschwefel) – Microcoulometrische Bestimmung oxidatives Verfahren (DIN 51400-7:1992)  
- bez zamjene

HRN DIN 51413-3:1997 de  
Ispitivanje tekućeg mineralnog ulja – Ugljikovodici – Analiza plinskom kromatografijom – Aromati (DIN 51413-3:1988)  
Prüfung flüssiger Mineralöl-Kohlenwasserstoffe – Gaschromatographische Analyse – Aromaten (DIN 51413-3:1988)  
- bez zamjene

HRN DIN 51448-1:2003 de  
Ispitivanje tekućih naftnih ugljikovodika – Određivanje tipova ugljikovodika – 1. dio: Plinsko kromatografska analiza s postupkom preusmjeravanja protoka kroz kolonu (DIN 51448-1:1997)  
Prüfung flüssiger Mineralöl-Kohlenwasserstoffe – Bestimmung der Kohlenwasserstoffgruppen – Teil 1: Gaschromatographische Analyse mittels Säulenschalttechnik (DIN 51448-1:1997)  
- bez zamjene

HRN DIN 51581-1:2005 de  
Ispitivanje naftnih proizvoda – Određivanje gubitaka isparavanja – 1. dio: Ispitivanje prema Noacku (DIN 51581-1:2003)  
Prüfung von Mineralölerzeugnissen – Bestimmung des Verdampfungsverlustes – Teil 1: Verfahren nach Noack (DIN 51581-1:2003)  
- bez zamjene

HRN DIN 51603-1:2011 de  
Tekuća goriva – Loživa ulja – 1. dio: Loživo ulje EL (ekstra lako), specifikacije (DIN 51603-1:2011)  
Flüssige Brennstoffe – Heizöle – Teil 1: Heizöl EL, Mindestanforderungen (DIN 51603-1:2011)  
- bez zamjene

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

HRN EN ISO 15614-13:2013 en  
Specifikacija i kvalifikacija postupaka zavarivanja za metalne materijale – Ispitivanje postupka zavarivanja – 13. dio: Sučeljeno elektrootporno zavarivanje pritiskom i zavarivanje iskrenjem (ISO 15614-13:2012; EN ISO 15614-13:2012)  
Specification and qualification of welding procedures for metallic materials – Welding procedure test – Part 13: Upset (resistance butt) and flash welding (ISO 15614-13:2012; EN ISO 15614-13:2012)  
- zamijenjena s: HRN EN ISO 15614-13:2021

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

HRN EN 14322:2017 en  
Ploče na osnovi drva – Melaminom obložene ploče za unutarnju uporabu – Definicija, zahtjevi i razredba (EN 14322:2017)  
Wood-based panels – Melamine faced board for interior uses – Definition, requirements and classification (EN 14322:2017)  
- zamijenjena s: HRN EN 14322:2021



HRN EN 14323:2017 en  
Ploče na osnovi drva – Melaminom obložene ploče za unutarnju uporabu – Metode ispitivanja (EN 14323:2017)  
Wood-based panels – Melamine faced boards for interior uses – Test methods (EN 14323:2017)  
- zamijenjena s: HRN EN 14323:2021

## **HZN/TO 120, Koža i obuća**

HRS CEN ISO/TS 16189:2013 en  
Obuća – Kritične tvari potencijalno prisutne u obući i dijelovima obuće – Kvantitativna metoda određivanja dimetilformamida u materijalima za obuću (ISO/TS 16189:2013; CEN ISO/TS 16189:2013)  
Footwear – Critical substances potentially present in footwear and footwear components – Test method to quantitatively determine dimethylformamide in footwear materials (ISO/TS 16189:2013; CEN ISO/TS 16189:2013)  
- zamijenjena s: HRN EN ISO 16189:2021

HRS CEN ISO/TS 16190:2013 en  
Obuća – Kritične tvari potencijalno prisutne u obući i dijelovima obuće – Kvalitativna metoda određivanja policikličkih aromatskih ugljikovodika (PAH) u materijalima za obuću (ISO/TS 16190:2013; CEN ISO/TS 16190:2013)  
Footwear – Critical substances potentially present in footwear and footwear components – Test method to quantitatively determine polycyclic aromatic hydrocarbons (PAH) in footwear materials (ISO/TS 16190:2013; CEN ISO/TS 16190:2013)  
- zamijenjena s: HRN EN ISO 16190:2021

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

HRS CEN/TS 13598-3:2012 en  
Plastični cijevni sustavi za netlačnu podzemnu odvodnju i kanalizaciju – Neomeksani poli(vinil-klorid) (PVC-U), polipropilen (PP) i polietilen (PE) – 3. dio: Upute za ocjenjivanje sukladnosti (CEN/TS 13598-3:2012)  
Plastics piping systems for non-pressure underground drainage and sewerage – Unplasticized poly(vinyl chloride) (PVC-U), polypropylene (PP) and polyethylene (PE) – Part 3: Guidance for assessment of conformity (CEN/TS 13598-3:2012)  
- zamijenjena s: HRS CEN/TS 13598-3:2021

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

HRN EN 14031:2008 en  
Atmosfera radnih prostora – Određivanje endotoksina iz zraka (EN 14031:2003)  
Workplace atmospheres – Determination of airborne endotoxins (EN 14031:2003)  
- zamijenjena s: HRN EN 14031:2021

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

HRN ISO 6107-1:2013 hr,en,fr,ru  
Kakvoća vode – Terminološki rječnik (ISO 6107-1:2004)  
Water quality – Vocabulary (ISO 6107-1:2004)  
- zamijenjena s: HRN ISO 6107:2021

HRN ISO 6107-2:2013 hr,en,fr,ru  
Kvaliteta vode – Terminološki rječnik – 2. dio (ISO 6107-2:2006)  
Water quality – Vocabulary – Part 2 (ISO 6107-2:2006)  
- zamijenjena s: HRN ISO 6107:2021

HRN ISO 6107-2:2013/A1:2014 en,fr,ru  
Kvaliteta vode – Terminološki rječnik – 2. dio (ISO 6107-2:2006/Amd 1:2012)  
Water quality – Vocabulary – Part 2 (ISO 6107-2:2006/Amd 1:2012)  
- zamijenjena s: HRN ISO 6107:2021

HRN ISO 6107-3:1998 hr,en,fr  
Kakvoća vode – Rječnik – 3. dio (ISO 6107-3:1993)  
Water quality – Vocabulary – Part 3 (ISO 6107-3:1993)  
- zamijenjena s: HRN ISO 6107:2021

HRN ISO 6107-3:1998/A1:2013 hr,en,fr  
Kvaliteta vode – Terminološki rječnik – 3. dio (ISO 6107-3:1993/Amd 1:2001)  
Water quality – Vocabulary – Part 3 (ISO 6107-3:1993/Amd 1:2001)  
- zamijenjena s: HRN ISO 6107:2021

HRN ISO 6107-4:1998 hr,en,fr  
Kakvoća vode – Rječnik – 4. dio (ISO 6107-4:1993)  
Water quality – Vocabulary – Part 4 (ISO 6107-4:1993)  
- zamijenjena s: HRN ISO 6107:2021

HRN ISO 6107-5:2008 en,fr,ru  
Kakvoća vode – Rječnik (ISO 6107-5:2004)  
Water quality – Vocabulary (ISO 6107-5:2004)  
- zamijenjena s: HRN ISO 6107:2021

HRN ISO 6107-6:2012 hr,en,fr,ru  
Kvaliteta vode – Terminološki rječnik – 6. dio (ISO 6107-6:2004)  
Water quality – Vocabulary – Part 6 (ISO 6107-6:2004)  
- zamijenjena s: HRN ISO 6107:2021

HRN ISO 6107-7:2013 hr,en,fr,ru  
Kvaliteta vode – Terminološki rječnik – 7. dio (ISO 6107-7:2006)  
Water quality – Vocabulary – Part 7 (ISO 6107-7:2006)  
- zamijenjena s: HRN ISO 6107:2021

HRN ISO 6107-8:1998 hr,en,fr  
Kakvoća vode – Rječnik – 8. dio (ISO 6107-8:1993)  
Water quality – Vocabulary – Part 8 (ISO 6107-8:1993)  
- zamijenjena s: HRN ISO 6107:2021

HRN ISO 6107-8:1998/A1:2013 hr,en,fr,ru  
Kvaliteta vode – Terminološki rječnik – 8. dio (ISO 6107-8:1993/Amd 1:2001)  
Water quality – Vocabulary – Part 8 (ISO 6107-8:1993/Amd 1:2001)  
- zamijenjena s: HRN ISO 6107:2021

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

HRN EN 12260:2008 en  
Kakvoća vode – Određivanje dušika – Određivanje vezanog dušika (UNv) nakon oksidacije u dušične okside (EN 12260:2003)  
Water quality – Determination of nitrogen – Determination of bound nitrogen (TNb), following oxidation to nitrogen oxides (EN 12260:2003)  
- zamijenjena s: HRN EN ISO 20236:2021

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

HRN EN ISO 9241-20:2010 en  
Ergonomija interakcije čovjek-sustav – 20. dio: Smjernice za opremu i usluge informacijsko-komunikacijske tehnologije (ICT) (ISO 9241-20:2008; EN ISO 9241-20:2009)  
Ergonomics of human-system interaction – Part 20: Accessibility guidelines for information/communication technology (ICT) equipment and services (ISO 9241-20:2008; EN ISO 9241-20:2009)  
- zamijenjena s: HRN EN ISO 9241-20:2021

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

HRN EN ISO 12571:2013 en  
Značajke građevnih materijala i proizvoda s obzirom na toplinu i vlagu – Određivanje svojstava higroskopske sorpcije (ISO 12571:2013; EN ISO 12571:2013)  
Hygrothermal performance of building materials and products – Determination of hygroscopic sorption properties (ISO 12571:2013; EN ISO 12571:2013)  
- zamijenjena s: HRN EN ISO 12571:2021

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

HRN EN 12158-1:2010 en  
Građevna dizala za transport materijala – 1. dio: Dizala s dozvoljenim pristupom na platformu (EN 12158-1:2000+A1:2010)  
Builders' hoists for goods – Part 1: Hoists with accessible platforms (EN 12158-1:2000+A1:2010)  
- zamijenjena s: HRN EN 12158-1:2021

## **HZN/TO 301, Upravljanje energijom i ušteda energije**

HRN ISO 50003:2016 en  
Sustavi upravljanja energijom – Zahtjevi za tijela koja provode audit i certifikaciju sustava upravljanja energijom (ISO 50003:2014)  
Energy management systems – Requirements for bodies providing audit and certification of energy management systems (ISO 50003:2014)  
- bez zamjene



## **HZN/TO 502, Plinski uređaji**

HRN EN 521:2019 en  
Specifikacije za uređaje za ukapljeni naftni plin – Prenosivi uređaji koji rade s tlakom plinovite faze ukapljenog naftnog plina (EN 521:2019)  
Specifications for dedicated liquefied petroleum gas appliances – Portable vapour pressure liquefied petroleum gas appliances (EN 521:2019)  
- zamijenjena s: HRN EN 521:2021

HRN EN 1949:2013 en  
Odredbe za instalacije u sustavima pogona na ukapljeni naftni plin za namjenu stanovanja u vozilima za odmor (kamp vozila) i drugim vozilima (EN 1949:2011+A1:2013)  
Specification for the installation of LPG systems for habitation purposes in leisure accommodation vehicles and accommodation purposes in other vehicles (EN 1949:2011+A1:2013)  
- zamijenjena s: HRN EN 1949:2021

HRN EN 14459:2015 en  
Sigurnosni i regulirajući uređaji za plamenike i uređaje na plinska ili tekuća goriva – Kontrolne funkcije u elektroničkim sustavima – Metode za razredu i ocjenjivanje (EN 14459:2015)  
Safety and control devices for burners and appliances burning gaseous or liquid fuels – Control functions in electronic systems – Methods for classification and assessment (EN 14459:2015)  
- zamijenjena s: HRN EN 14459:2021

HRN EN 15502-1:2015 en  
Plinski kotlovi za centralno grijanje – 1. dio: Opći zahtjevi i ispitivanja (EN 15502-1:2012+A1:2015)  
Gas-fired heating boilers – Part 1: General requirements and tests (EN 15502-1:2012+A1:2015)  
- zamijenjena s: HRN EN 15502-1:2021

## **HZN/TO 505, Prijenos i distribucija plina**

HRN EN 12308:2000 en  
Instalacije i oprema za ukapljeni prirodni plin – Ispitivanje prikladnosti brtava namijenjenih za prirubničke spojeve za cjevovode za ukapljeni prirodni plin (EN 12308:1998)  
Installations and equipment for LNG – Suitability testing of gaskets designed for flanged joints used on LNG piping (EN 12308:1998)  
- bez zamjene

HRN EN 12732:2014 en  
Plinska infrastruktura – Zavarivanje čeličnih cijevi – Funkcionalni zahtjevi (EN 12732:2013+A1:2014)  
Gas infrastructure – Welding steel pipework – Functional requirements (EN 12732:2013+A1:2014)  
- zamijenjena s: HRN EN 12732:2021

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

HRN EN ISO 10438-4:2008 en  
Industrija nafte, petrokemije i prirodnog plina – Podmazivanje, sustavi brtvljenja osovine i nadzornih uljnih sustava i pomoćne opreme – 4. dio: Sustavi podržavanja samodjelujućega plinskog brtvljenja (ISO 10438-4:2007; EN ISO 10438-4:2007)  
Petroleum, petrochemical and natural gas industries – Lubrication, shaft-sealing and control-oil systems and auxiliaries – Part 4: Self-acting gas seal support systems (ISO 10438-4:2007; EN ISO 10438-4:2007)  
- zamijenjena s: HRN EN ISO 6368:2021

HRN EN ISO 19901-5:2016 en  
Industrija nafte i prirodnoga plina – Posebni zahtjevi za odobalne konstrukcije – 5. dio: Kontrola mase tijekom projektiranja i građenja (ISO 19901-5:2016; EN ISO 19901-5:2016)  
Petroleum and natural gas industries – Specific requirements for offshore structures – Part 5: Weight control during engineering and construction (ISO 19901-5:2016; EN ISO 19901-5:2016)  
- zamijenjena s: HRN EN ISO 19901-5:2021

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

HRN EN ISO 748:2009 en  
Hidrometrija – Mjerenje protoka u otvorenim kanalima uporabom hidrometrijskih krila ili plovaka (ISO 748:2007; EN ISO 748:2007)  
Hydrometry – Measurement of liquid flow in open channels using current-meters or floats (ISO 748:2007; EN ISO 748:2007)  
- zamijenjena s: HRN EN ISO 748:2021

HRN EN 13757-1:2015 en  
Komunikacijski sustavi za mjerila – 1. dio: Razmjena podataka (EN 13757-1:2014)  
Communication systems for meters – Part 1: Data exchange (EN 13757-1:2014)  
- zamijenjena s: HRN EN 13757-1:2021

## **HZN/TO 517, Posebne vrste konstrukcija**

HRN EN 1298:2002 en  
Pokretni pristupni i radni tornjevi – Pravila i smjernice za pripremu priručnika za uporabu (EN 1298:1996)  
Mobile access and working towers – Rules and guidelines for the preparation of an instruction manual (EN 1298:1996)  
- zamijenjena s: HRN EN 1004-2:2021

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

HRN EN 14601:2011 en  
Željeznički sustav – Ravna i kutna završna crijeva za slavine kočnice i glavnog spremnika zraka (EN 14601:2005+A1:2010)  
Railway applications – Straight and angled end cocks for brake pipe and main reservoir pipe (EN 14601:2005+A1:2010)  
- zamijenjena s: HRN EN 14601:2021

HRN EN 15528:2015 en  
Željeznički sustav – Kategorije pruga za određivanje sučelja između granica opterećenja željezničkih vozila i infrastrukture (EN 15528:2015)  
Railway applications – Line categories for managing the interface between load limits of vehicles and infrastructure (EN 15528:2015)  
- zamijenjena s: HRN EN 15528:2021

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

HRN EN ISO 527-5:2010 en  
Plastika – Određivanje rasteznih svojstava – 5. dio: Uvjeti ispitivanja za plastične kompozite jednosmjerno ojačane vlaknima (ISO 527-5:2009; EN ISO 527-5:2009)  
Plastics – Determination of tensile properties – Part 5: Test conditions for unidirectional fibre-reinforced plastic composites (ISO 527-5:2009; EN ISO 527-5:2009)  
- zamijenjena s: HRN EN ISO 527-5:2021

HRN EN 26801:2008 en  
Gumena ili plastična crijeva – Određivanje volumnog širenja (ISO 6801:1983; EN 26801:1993)  
Rubber or plastics hoses – Determination of volumetric expansion (ISO 6801:1983; EN 26801:1993)  
- zamijenjena s: HRN EN ISO 6801:2021

HRN EN 26801:2008/A1:2011 en  
Gumena ili plastična crijeva – Određivanje volumnog širenja – Amandman 1: Ukidanje alkohola kao tlačnog fluida (ISO 6801:1983/Amd 1:2011; EN 26801:1993/A1:2011)  
Rubber or plastics hoses – Determination of volumetric expansion – Amendment 1: Deletion of alcohol as pressurizing fluid (ISO 6801:1983/Amd 1:2011; EN 26801:1993/A1:2011)  
- zamijenjena s: HRN EN ISO 6801:2021

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

HRN EN 13286-1:2003 en  
Nevezane i hidrauličnim vezivom vezane mješavine – 1. dio: Ispitne metode za određivanje laboratorijske referencijske gustoće i udjela vode – Uvod, opći zahtjevi i uzorkovanje (EN 13286-1:2003)  
Unbound and hydraulically bound mixtures – Part 1: Test methods for laboratory reference density and water content – Introduction, general requirements and sampling (EN 13286-1:2003)  
- zamijenjena s: HRN EN 13286-1:2021

HRN EN 13286-4:2003 en  
Nevezane i hidrauličnim vezivom vezane mješavine – 4. dio: Ispitne metode za određivanje laboratorijske referencijske gustoće i udjela vode – Vibrirajući čekić (EN 13286-4:2003)  
Unbound and hydraulically bound mixtures – Part 4: Test methods for laboratory reference density and water content – Vibrating hammer (EN 13286-4:2003)  
- zamijenjena s: HRN EN 13286-4:2021

HRN EN 13286-47:2012 en  
Nevezane i hidrauličnim vezivom vezane mješavine – 47. dio: Metoda ispitivanja za određivanje kalifornijskog indeksa nosivosti, neposrednog indeksa nosivosti i linearnog bubrenja (EN 13286-47:2012)  
Unbound and hydraulically bound mixtures – Part 47: Test method for the determination of California bearing ratio, immediate bearing index and linear swelling (EN 13286-47:2012)  
- zamijenjena s: HRN EN 13286-47:2021

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

HRN EN 1529:2001 en  
Vratna krila – Visina, širina, debljina i pravokutnost – Razredba dopuštenih odstupanja (EN 1529:1999)  
Doors leaves – Height, width, thickness and squareness – Tolerance classes (EN 1529:1999)  
- zamijenjena s: HRN EN 1529:2021

HRN EN 12320:2012 en  
Građevni okovi – Lokoti i pribor – Zahtjevi i metode ispitivanja (EN 12320:2012)  
Building hardware – Padlocks and padlock fittings – Requirements and test methods (EN 12320:2012)  
- zamijenjena s: HRN EN 12320:2021

HRN EN 16867:2020 en  
Građevni okovi – Mehatronički okovi za vrata – Zahtjevi i metode ispitivanja (EN 16867:2020)  
Building hardware – Mechatronic door furniture – Requirements and test methods (EN 16867:2020)  
- zamijenjena s: HRN EN 16867:2021

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

HRN EN 13624:2013 en  
Kemijski dezinficijensi i antiseptici – Kvantitativni suspenzijski test za procjenu fungicidne djelotvornosti ili djelotvornosti na kvasce u medicini – Metoda ispitivanja i zahtjevi (faza 2, korak 1) (EN 13624:2013)  
Chemical disinfectants and antiseptics – Quantitative suspension test for the evaluation of fungicidal or yeasticidal activity in the medical area – Test method and requirements (phase 2, step 1) (EN 13624:2013)  
- zamijenjena s: HRN EN 13624:2021

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

HRN EN 12976-1:2017 en  
Toplinski sustavi Sunčeva zračenja i komponente – Tvornički izrađeni sustavi – 1. dio: Opći zahtjevi (EN 12976-1:2017)  
Thermal solar systems and components – Factory made systems – Part 1: General requirements (EN 12976-1:2017)  
- zamijenjena s: HRN EN 12976-1:2021

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

HRN EN 246:2008 en  
Sanitarne armature – Opće specifikacije za regulatore protoka (EN 246:2003)  
Sanitary tapware – General specification for flow rate regulators (EN 246:2003)  
- zamijenjena s: HRN EN 246:2021

HRN EN 12873-4:2008 en  
Utjecaj materijala na vodu namijenjenu ljudskoj uporabi – Utjecaj zbog migracije – 4. dio: Ispitna metoda za membrane koje se upotrebljavaju u obradi vode (EN 12873-4:2006)  
Influence of materials on water intended for human consumption – Influence due to migration – Part 4: Test method for water treatment membranes (EN 12873-4:2006)  
- zamijenjena s: HRN EN 12873-4:2021

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

HRN ISO 15392:2009 en  
Održivost u gradnji zgrada – Opća načela (ISO 15392:2008)  
Sustainability in building construction – General principles (ISO 15392:2008)  
- bez zamjene

HRN EN 15942:2012 en  
Održivost građevina – Izjava zaštite okoliša – Oblik komunikacije među poduzećima (EN 15942:2011)  
Sustainability of construction works – Environmental product declarations – Communication format business-to-business (EN 15942:2011)  
- zamijenjena s: HRN EN 15942:2021

HRN ISO 21930:2009 en  
Održivost pri gradnji zgrada – Izjava o utjecaju građevnih proizvoda na okoliš (ISO 21930:2007)  
Sustainability in building construction – Environmental declaration of building products (ISO 21930:2007)  
- zamijenjena s: HRN ISO 21930:2021

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

HRN EN ISO 20344:2012 en  
Osobna zaštitna oprema – Ispitne metode za obuću (ISO 20344:2011; EN ISO 20344:2011)  
Personal protective equipment – Test methods for footwear (ISO 20344:2011; EN ISO 20344:2011)  
- zamijenjena s: HRN EN ISO 20344:2021

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

HRN EN ISO 2076:2013 en  
Tekstil – Umjetna vlakna – Generički nazivi (ISO 2076:2013; EN ISO 2076:2013)  
Textiles – Man-made fibres – Generic names (ISO 2076:2013; EN ISO 2076:2013)  
- zamijenjena s: HRN EN ISO 2076:2021

HRN EN ISO 6330:2012 en  
Tekstil – Postupci pranja i sušenja u kućanstvu za ispitivanje tekstila (ISO 6330:2012; EN ISO 6330:2012)  
Textiles – Domestic washing and drying procedures for textile testing (ISO 6330:2012; EN ISO 6330:2012)  
- zamijenjena s: HRN EN ISO 6330:2021

HRS CEN/TS 14237:2016 en  
Tekstil za zdravstvene i javne ustanove (CEN/TS 14237:2015)  
Textiles for healthcare and social services facilities (CEN/TS 14237:2015)  
- zamijenjena s: HRS CEN/TS 14237:2021

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

HRN EN ISO 10286:2015 en,fr,de  
Plinske boce – Nazivlje (ISO 10286:2015; EN ISO 10286:2015)  
Gas cylinders – Terminology (ISO 10286:2015; EN ISO 10286:2015)  
- zamijenjena s: HRN EN ISO 10286:2021

HRN EN ISO 11114-2:2013 en  
Plinske boce – Uskladivost materijala boce i ventila sa sadržanim plinom – 2. dio: Nemetalni materijali (ISO 11114-2:2013; EN ISO 11114-2:2013)  
Gas cylinders – Compatibility of cylinder and valve materials with gas contents – Part 2: Non-metallic materials (ISO 11114-2:2013; EN ISO 11114-2:2013)  
- zamijenjena s: HRN EN ISO 11114-2:2021

HRN EN 13760:2006 en  
UNP sustav punjenja za lagana i teška vozila – Pištolji, ispitni zahtjevi i dimenzije (EN 13760:2003)  
Automotive LPG filling system for light and heavy duty vehicles – Nozzle, test requirements and dimensions (EN 13760:2003)  
- zamijenjena s: HRN EN 13760:2021

### **HZN/TO 562, Alatni strojevi i alati**

HRN EN 1807-1:2013 en  
Sigurnost strojeva za obradu drva – Tračne pile – 1. dio: Stolne tračne pile i tračne pile (EN 1807-1:2013)  
Safety of woodworking machines – Band sawing machines – Part 1: Table band saws and band re-saws (EN 1807-1:2013)  
- zamijenjena s: HRN EN ISO 19085-16:2021

HRN EN 12750:2013 en  
Sigurnost strojeva za obradu drva – Četverostrani stroj za kalupiranje (EN 12750:2013)  
Safety of woodworking machines – Four sided moulding machines (EN 12750:2013)  
- zamijenjena s: HRN EN ISO 19085-14:2021

HRN EN ISO 19085-2:2017 en  
Strojevi za obradu drva – Sigurnost – 2. dio: Horizontalne kružne pile za ploče s pritiskom uređajem (ISO 19085-2:2017, ispravljena verzija 2017-11-01; EN ISO 19085-2:2017)  
Woodworking machines – Safety – Part 2: Horizontal beam panel circular sawing machines (ISO 19085-2:2017, Corrected version 2017-11-01; EN ISO 19085-2:2017)  
- zamijenjena s: HRN EN ISO 19085-2:2021

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

HRN EN 1034-4:2010 en  
Sigurnost strojeva – Sigurnosni zahtjevi za projektiranje i konstrukciju strojeva za izradu i završnu obradu papira – 4. dio: Strojevi za pravljenje pulpe i njihove mogućnosti opterećenja (EN 1034-4:2005+A1:2009)  
Safety of machinery – Safety requirements for the design and construction of paper making and finishing machines – Part 4: Pulpers and their loading facilities (EN 1034-4:2005+A1:2009) – zamijenjena s: HRN EN 1034-4:2021

HRN EN 13870:2015 en  
Strojevi za preradu hrane – Strojevi za rezanje mesa – Sigurnosni i higijenski zahtjevi (EN 13870:2015)  
Food processing machinery – Portion cutting machines – Safety and hygiene requirements (EN 13870:2015) – zamijenjena s: HRN EN 13870:2021

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

HRS CEN ISO/TS 20836:2008 en  
Mikrobiologija hrane i hrane za životinje – Lančana reakcija polimerazom (PCR) za dokazivanje prisutnosti patogena u hrani – Ispitivanje radnog učinka toplokružnika (thermal cyclers) (ISO/TS 20836:2005; CEN ISO/TS 20836:2005)  
Microbiology of food and animal feeding stuffs – Polymerase chain reaction (PCR) for the detection of food-borne pathogens – Performance testing for thermal cyclers (ISO/TS 20836:2005; CEN ISO/TS 20836:2005) – zamijenjena s: HRN EN ISO 20836:2021

## **HZN/TO 569, Hrana za životinje**

HRN EN 15784:2010 en  
Hrana za životinje – Izolacija i brojenje *Bacillus* spp. (EN 15784:2009)  
Animal feeding stuffs – Isolation and enumeration of presumptive *Bacillus* spp. (EN 15784:2009) – zamijenjena s: HRN EN 15784:2021

HRN EN 15786:2010 en  
Hrana za životinje – Izolacija i brojanje *Pediococcus* spp. (EN 15786:2009)  
Animal feeding stuffs – Isolation and enumeration of *Pediococcus* spp. (EN 15786:2009) – zamijenjena s: HRN EN 15786:2021

HRN EN 15787:2010 en  
Hrana za životinje – Izolacija i brojanje *Lactobacillus* spp. (EN 15787:2009)  
Animal feeding stuffs – Isolation and enumeration of *Lactobacillus* spp. (EN 15787:2009) – zamijenjena s: HRN EN 15787:2021

HRN EN 15788:2010 en  
Hrana za životinje – Izolacija i brojanje *Enterococcus* (*E. faecium*) spp. (EN 15788:2009)  
Animal feeding stuffs – Isolation and enumeration of *Enterococcus* (*E. faecium*) spp. (EN 15788:2009) – zamijenjena s: HRN EN 15788:2021

HRN EN 15789:2010 en  
Hrana za životinje – Izolacija i brojanje probiotskih kultura kvasca (EN 15789:2009)  
Animal feeding stuffs – Isolation and enumeration of yeast probiotic strains (EN 15789:2009) – zamijenjena s: HRN EN 15789:2021

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

HRN EN 892:2016 en  
Planinarska oprema – Dinamička užad – Sigurnosni zahtjevi i metode ispitivanja (EN 892:2012+A1:2016)  
Mountaineering equipment – Dynamic mountaineering ropes – Safety requirements and test methods (EN 892:2012+A1:2016) – zamijenjena s: HRN EN 892:2021

HRN EN 13089:2015 en  
Planinarska oprema – Oruđe za led – Sigurnosni zahtjevi i metode ispitivanja (EN 13089:2011+A1:2015)  
Mountaineering equipment – Ice-tools – Safety requirements and test methods (EN 13089:2011+A1:2015) – zamijenjena s: HRN EN 13089:2021

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

HRN EN 14735:2005 en  
Karakterizacija otpada – Priprema uzoraka otpada za ispitivanja ekotoksičnosti (EN 14735:2005)  
Characterization of waste – Preparation of waste samples for ecotoxicity tests (EN 14735:2005) – zamijenjena s: HRN EN 14735:2021

HRN EN 14735:2005/Ispr.1:2008 en  
Karakterizacija otpada – Priprema uzoraka otpada za ispitivanja ekotoksičnosti (EN 14735:2005/AC:2006)  
Characterization of waste – Preparation of waste samples for ecotoxicity tests (EN 14735:2005/AC:2006) – zamijenjena s: HRN EN 14735:2021

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

HRN EN 60034-4:2012 en  
Rotacijski električni strojevi – 4. dio: Metode za određivanje parametara sinkronih strojeva ispitivanjima (IEC 60034-4:2008; EN 60034-4:2008)  
Rotating electrical machines – Part 4: Methods for determining synchronous machine quantities from tests (IEC 60034-4:2008; EN 60034-4:2008) – zamijenjena s: HRN EN IEC 60034-4-1:2018

HRN EN 60034-14:2008 en  
Rotacijski električni strojevi – 14. dio: Mehaničke vibracije strojeva visine vratila 56 mm i više – Mjerenje, ocjena i granice žestine vibracija (IEC 60034-14:2003+am1:2007; EN 60034-14:2004+A1:2007)  
Rotating electrical machines – Part 14: Mechanical vibration of certain machines with shaft heights 56 mm and higher – Measurement, evaluation and limits of vibration severity (IEC 60034-14:2003+am1:2007; EN 60034-14:2004+A1:2007) – zamijenjena s: HRN EN IEC 60034-14:2018

## **HZN/TO E20, Električni kabeli**

HRN EN 60332-3-10:2010 en  
Ispitivanje električnih i svjetlovodnih kabela pod djelovanjem vatre – Dio 3-10: Ispitivanje na uspravno širenje plamena na snopu uspravno položenih vodova ili kabela – Ispitni uređaji (IEC 60332-3-10:2000+am1:2008; EN 60332-3-10:2009)  
Tests on electric and optical fibre cables under fire conditions – Part 3-10: Test for vertical flame spread of vertically-mounted bunched wires or cables – Apparatus (IEC 60332-3-10:2000+am1:2008; EN 60332-3-10:2009) – zamijenjena s: HRN EN IEC 60332-3-10:2018

HRN EN 60332-3-21:2010 en  
Ispitivanje električnih i svjetlovodnih kabela pod djelovanjem vatre – Dio 3-21: Ispitivanje na uspravno širenje plamena na snopu uspravno položenih vodova ili kabela – Vrsta ispitivanja A F/R (IEC 60332-3-21:2000, MOD; EN 60332-3-21:2009)  
Tests on electric and optical fibre cables under fire conditions – Part 3-21: Test for vertical flame spread of vertically-mounted bunched wires or cables – Category A F/R (IEC 60332-3-21:2000, MOD; EN 60332-3-21:2009) – zamijenjena s: HRN EN IEC 60332-3-21:2018

HRN EN 60332-3-22:2010 en  
Ispitivanje električnih i svjetlovodnih kabela pod djelovanjem vatre – Dio 3-22: Ispitivanje na uspravno širenje plamena na snopu uspravno položenih vodova ili kabela – Vrsta ispitivanja A (IEC 60332-3-22:2000+am1:2008; EN 60332-3-22:2009)  
Tests on electric and optical fibre cables under fire conditions – Part 3-22: Test for vertical flame spread of vertically-mounted bunched wires or cables – Category A (IEC 60332-3-22:2000+am1:2008; EN 60332-3-22:2009) – zamijenjena s: HRN EN IEC 60332-3-22:2018

HRN EN 60332-3-23:2010 en  
Ispitivanje električnih i svjetlovodnih kabela pod djelovanjem vatre – Dio 3-23: Ispitivanje na uspravno širenje plamena na snopu uspravno položenih vodova ili kabela – Vrsta ispitivanja B (IEC 60332-3-23:2000+am1:2008; EN 60332-3-23:2009)  
Tests on electric and optical fibre cables under fire conditions – Part 3-23: Test for vertical flame spread of vertically-mounted bunched wires or cables – Category B (IEC 60332-3-23:2000+am1:2008; EN 60332-3-23:2009) – zamijenjena s: HRN EN IEC 60332-3-23:2018



HRN EN 60332-3-24:2010 en

Ispitivanje električnih i svjetlovodnih kabela pod djelovanjem vatre – Dio 3-24: Ispitivanje na uspravno širenje plamena na snopu uspravno položenih vodova ili kabela – Vrsta ispitivanja C (IEC 60332-3-24:2000+am1:2008; EN 60332-3-24:2009)  
Tests on electric and optical fibre cables under fire conditions – Part 3-24: Test for vertical flame spread of vertically-mounted bunched wires or cables – Category C (IEC 60332-3-24:2000+am1:2008; EN 60332-3-24:2009)  
- zamijenjena s: HRN EN IEC 60332-3-24:2018

HRN EN 60332-3-25:2010 en

Ispitivanje električnih i svjetlovodnih kabela pod djelovanjem vatre – Dio 3-25: Ispitivanje na uspravno širenje plamena na snopu uspravno položenih vodova ili kabela – Vrsta ispitivanja D (IEC 60332-3-25:2000+am1:2008; EN 60332-3-25:2009)  
Tests on electric and optical fibre cables under fire conditions – Part 3-25: Test for vertical flame spread of vertically-mounted bunched wires or cables – Category D (IEC 60332-3-25:2000+am1:2008; EN 60332-3-25:2009)  
- zamijenjena s: HRN EN IEC 60332-3-25:2018

### **HZNTO E23, Električni instalacijski pribor**

HRN HD 391 S3:2007 en

Dimenzije elektroničkih komponenata s osovinom u čahuri predviđenih za ugradnju u jedan otvor (IEC 60620:1984; HD 391 S3:1988)  
Dimensions for the mounting of single-hole, bush-mounted, spindle-operated electronic components (IEC 60620:1984; HD 391 S3:1988)  
- bez zamjene

### **HZNTO E31, Eksplozivne atmosfere**

HRN EN 13463-2:2005 en

Neelektrična oprema za eksplozivne atmosfere – 2. dio: Zaštita kućištem s ograničenim dotokom "fr" (EN 13463-2:2004)  
Non-electrical equipment for use in potentially explosive atmospheres – Part 2: Protection by flow restricting enclosure "fr" (EN 13463-2:2004)  
- bez zamjene

HRN EN 13463-3:2005 en

Neelektrična oprema za eksplozivne atmosfere – 3. dio: Zaštita oklapanjem „d“ (EN 13463-3:2005)  
Non-electrical equipment for use in potentially explosive atmospheres – Part 3: Protection by flameproof enclosure "d" (EN 13463-3:2005)  
- bez zamjene

HRN EN 14522:2006 en

Određivanje temperature samozapaljenja plinova i para (EN 14522:2005)  
Determination of the auto ignition temperature of gases and vapours (EN 14522:2005)  
- bez zamjene

HRI CEN/TR 16829:2016 en

Sprječavanje i zaštita od požara i eksplozije za vjedičaste elevatore (CEN/TR 16829:2016)  
Fire and explosion prevention and protection for bucket elevators (CEN/TR 16829:2016)  
- bez zamjene

HRN EN 50059:1997 en

Specifikacija za ručnu elektrostatičku opremu za raspršivanje nezapaljivih tvari za bojanje i lakiranje (EN 50059:1990)  
Specification for electrostatic hand-held spraying equipment for non-flammable material for painting and finishing (EN 50059:1990)  
- zamijenjena s: HRN EN 50059:2018

HRN EN 50223:2011 en

Stacionarna oprema za elektrostatsko nanošenje zapaljivih vlakana – Sigurnosni zahtjevi (EN 50223:2010)  
Stationary electrostatic application equipment for ignitable flock material – Safety requirements (EN 50223:2010)  
- zamijenjena s: HRN EN 50223:2015

HRN EN 50270:2008 en

Elektromagnetska kompatibilnost – Električni uređaji za otkrivanje i mjerenje zapaljivih plinova, otrovnih plinova ili kisika (EN 50270:2006)  
Electromagnetic compatibility – Electrical apparatus for the detection and measurement of combustible gases, toxic gases or oxygen (EN 50270:2006)  
- zamijenjena s: HRN EN 50270:2015

HRN EN 50271:2011 en

Električni uređaji za otkrivanje i mjerenje zapaljivih plinova, otrovnih plinova ili kisika – Zahtjevi za ispitivanje uređaja koji upotrebljavaju računalni program (software) i/ili digitalne tehnologije (EN 50271:2010)  
Electrical apparatus for the detection and measurement of combustible gases, toxic gases or oxygen – Requirements and tests for apparatus using software and/or digital technologies (EN 50271:2010)  
- zamijenjena s: HRN EN 50271:2018

HRN EN 50281-2-1:2000 en

Električni uređaji za uporabu u prostorima sa zapaljivom prašinom – Dio 2-1: Metode ispitivanja – Metoda za određivanje najmanje temperature paljenja prašine (EN 50281-2-1:1998+Corr.1:1999)  
Electrical apparatus for use in the presence of combustible dust – Part 2-1: Test methods – Methods for determining the minimum ignition temperatures of dust (EN 50281-2-1:1998+Corr.1:1999)  
- bez zamjene

HRN EN 50402:2010 en

Električni uređaji za otkrivanje i mjerenje zapaljivih ili otrovnih plinova ili para, ili kisika – Zahtjevi na funkcijsku sigurnost stacionarnih sustava za otkrivanje plina (EN 50402:2005+A1:2008)  
Electrical apparatus for the detection and measurement of combustible or toxic gases or vapours or of oxygen – Requirements on the functional safety of fixed gas detection systems (EN 50402:2005+A1:2008)  
- zamijenjena s: HRN EN 50402:2017

HRN EN 60079-0:2012 en

Eksplozivne atmosfere – 0. dio: Oprema – Opći zahtjevi (IEC 60079-0:2011, MOD; EN 60079-0:2012)  
Explosive atmospheres – Part 0: Equipment – General requirements (IEC 60079-0:2011, MOD; EN 60079-0:2012)  
- zamijenjena s: HRN EN IEC 60079-0:2018

HRN EN 60079-0:2012/A11:2014 en

Eksplozivne atmosfere – 0. dio: Oprema – Opći zahtjevi (EN 60079-0:2012/A11:2013)  
Explosive atmospheres – Part 0: Equipment – General requirements (EN 60079-0:2012/A11:2013)  
- zamijenjena s: HRN EN IEC 60079-0:2018

HRN EN 60079-1:2008 en

Eksplozivne atmosfere – 1. dio: Vrsta zaštite opreme oklapanje "d" (IEC 60079-1:2007; EN 60079-1:2007)  
Explosive atmospheres – Part 1: Equipment protection by flameproof enclosures "d" (IEC 60079-1:2007; EN 60079-1:2007)  
- zamijenjena s: HRN EN 60079-1:2014

HRN EN 60079-2:2009 en

Eksplozivne atmosfere – 2. dio: Vrsta zaštite opreme nadtlak "p" (IEC 60079-2:2007; EN 60079-2:2007)  
Explosive atmospheres – Part 2: Equipment protection by pressurized enclosure "p" (IEC 60079-2:2007; EN 60079-2:2007)  
- zamijenjena s: HRN EN 60079-2:2015

HRN EN 60079-5:2009 en

Eksplozivne atmosfere – 5. dio: Vrsta zaštite opreme punjenje "q" (IEC 60079-5:2007; EN 60079-5:2007)  
Explosive atmospheres – Part 5: Equipment protection by powder filling "q" (IEC 60079-5:2007; EN 60079-5:2007)  
- zamijenjena s: HRN EN 60079-5:2015

HRN EN 60079-6:2007 en

Eksplozivne atmosfere – 6. dio: Vrsta zaštite opreme uranjanje "o" (IEC 60079-6:2007; EN 60079-6:2007)  
Explosive atmospheres – Part 6: Equipment protection by oil immersion "o" (IEC 60079-6:2007; EN 60079-6:2007)  
- zamijenjena s: HRN EN 60079-6:2016

HRN EN 60079-7:2007 en

Eksplozivne atmosfere – 7. dio: Vrsta zaštite opreme povećana sigurnost "e" (IEC 60079-7:2006; EN 60079-7:2007)  
Explosive atmospheres – Part 7: Equipment protection by increased safety "e" (IEC 60079-7:2006; EN 60079-7:2007)  
- zamijenjena s: HRN EN 60079-7:2016

HRN EN 60079-10-2:2009 en

Eksplozivne atmosfere – Dio 10-2: Klasifikacija ugroženih prostora – Eksplozivne atmosfere prašina (IEC 60079-10-2:2009; EN 60079-10-2:2009)  
Explosive atmospheres – Part 10-2: Classification of areas – Combustible dust atmospheres (IEC 60079-10-2:2009; EN 60079-10-2:2009)  
- zamijenjena s: HRN EN 60079-10-2:2015



- HRN EN 60079-13:2011 en  
Eksplozivne atmosfere – 13. dio: Vrsta zaštite opreme prostorije pod nadtlakom „p“ (IEC 60079-13:2010; EN 60079-13:2010)  
Explosive atmospheres – Part 13: Equipment protection by pressurized room “p” (IEC 60079-13:2010; EN 60079-13:2010)  
- zamijenjena s: HRN EN 60079-13:2017
- HRN EN 60079-18:2010 en  
Eksplozivne atmosfere – 18. dio: Vrsta zaštite opreme oblaganje “m” (IEC 60079-18:2009+Corr.:2009; EN 60079-18:2009)  
Explosive atmospheres – Part 18: Equipment protection by encapsulation “m” (IEC 60079-18:2009+Corr.:2009; EN 60079-18:2009)  
- zamijenjena s: HRN EN 60079-18:2015
- HRN EN 60079-26:2007 en  
Eksplozivne atmosfere – 26. dio: Oprema s razinom zaštite opreme (EPL) Ga (IEC 60079-26:2006; EN 60079-26:2007)  
Explosive atmospheres – Part 26: Equipment with equipment protection level (EPL) Ga (IEC 60079-26:2006; EN 60079-26:2007)  
- zamijenjena s: HRN EN 60079-26:2015
- HRN EN 60079-28:2007 en  
Eksplozivne atmosfere – 28. dio: Zaštita opreme i prijenosnih sustava s optičkim zračenjem (IEC 60079-28:2006; EN 60079-28:2007)  
Explosive atmospheres – Part 28: Protection of equipment and transmission systems using optical radiation (IEC 60079-28:2006; EN 60079-28:2007)  
- zamijenjena s: HRN EN 60079-28:2015
- HRN EN 60079-29-1:2008 en  
Eksplozivne atmosfere – Dio 29-1: Oprema za otkrivanje i mjerenje zapaljivih plinova – Zahtjevi za pogonska svojstva opreme za otkrivanje i mjerenje zapaljivih plinova (IEC 60079-29-1:2007, MOD; EN 60079-29-1:2007)  
Explosive atmospheres – Part 29-1: Gas detectors – Performance requirements of detectors for flammable gases (IEC 60079-29-1:2007, MOD; EN 60079-29-1:2007)  
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- HRN EN 62442-3:2015/A11:2017 en  
Energetske značajke predspojnih naprava – 3. dio: Predspojne naprave za halogene žarulje i module svjetlećih dioda – Mjerna metoda za određivanje učinkovitosti predspojne naprave (EN 62442-3:2014/A11:2017)  
Energy performance of lamp controlgear – Part 3: Controlgear for halogen lamps and LED modules – Method of measurement to determine the efficiency of the controlgear (EN 62442-3:2014/A11:2017)  
- zamijenjena s: HRN EN IEC 62442-3:2018
- HRN EN 62493:2012 en  
Procjena rasvjetne opreme s obzirom na izloženost ljudskoga tijela elektromagnetskim poljima (IEC 62493:2009; EN 62493:2010)  
Assessment of lighting equipment related to human exposure to electromagnetic fields (IEC 62493:2009; EN 62493:2010)  
- zamijenjena s: HRN EN 62493:2015

## **HZN/TO E37, Odvodnici prenapona**

- HRS CLC/TS 50539-12:2014 en  
Prenaponske zaštitne naprave za niski napon – Prenaponske zaštitne naprave za posebnu primjenu uključujući istosmjernu struju – 12. dio: Načela odabira i primjene – SPD-i spojeni na fotonaponske instalacije (CLC/TS 50539-12:2013)  
Low-voltage surge protective devices – Surge protective devices for specific application including d.c. – Part 12: Selection and application principles – SPDs connected to photovoltaic installations (CLC/TS 50539-12:2013)  
- bez zamjene



HRS CLC/TS 50544:2011 en

Prenaponske zaštitne naprave za sustave vuče za niski napon istosmjernje struje – Pravila za odabir i primjenu odvodnika prenapona (CLC/TS 50544:2010)  
Low voltage d.c. surge protective device for traction systems – Selection and application rules for surge arresters (CLC/TS 50544:2010)  
- bez zamjene

HRN EN 60099-4:2008 en

Odvodnici prenapona – 4. dio: Metaloksidni odvodnici prenapona bez iskrišta za sustave izmjenične struje (IEC 60099-4:2004, MOD+am1:2006; EN 60099-4:2004+A1:2006)  
Surge arresters – Part 4: Metal-oxide surge arresters without gaps for a.c. systems (IEC 60099-4:2004, MOD+am1:2006; EN 60099-4:2004+A1:2006)  
- zamijenjena s: HRN EN 60099-4:2014

HRN EN 60099-4:2008/A2:2011 en

Odvodnici prenapona – 4. dio: Metaloksidni odvodnici prenapona bez iskrišta za sustave izmjenične struje (IEC 60099-4:2004/am2:2009; EN 60099-4:2004/A2:2009)  
Surge arresters – Part 4: Metal-oxide surge arresters without gaps for a.c. systems (IEC 60099-4:2004/am2:2009; EN 60099-4:2004/A2:2009)  
- zamijenjena s: HRN EN 60099-4:2014

HRN EN 60099-5:2014 en

Odvodnici prenapona – 5. dio: Preporuke za odabir i primjenu (IEC 60099-5:2013; EN 60099-5:2013)  
Surge arresters – Part 5: Selection and application recommendations (IEC 60099-5:2013; EN 60099-5:2013)  
- zamijenjena s: HRN EN 60099-5:2018

HRN EN 60099-8:2014 en

Odvodnici prenapona – 8. dio: Metaloksidni odvodnici prenapona s vanjskim serijskim iskrištem (EGLA) za nadzemne prijenosne i distribucijske vodove sustava izmjenične struje napona većeg od 1 kV (IEC 60099-8:2011; EN 60099-8:2011)  
Surge arresters – Part 8: Metal-oxide surge arresters with external series gap (EGLA) for overhead transmission and distribution lines of a.c. systems above 1 kV (IEC 60099-8:2011; EN 60099-8:2011)  
- zamijenjena s: HRN EN IEC 60099-8:2018

HRN EN 61643-331:2008 en

Sastavnice prenaponskih zaštitnih naprava za niski napon – 331. dio: Specifikacija za metaloksidne varistore (MOV) (IEC 61643-331:2003; EN 61643-331:2003)  
Components for low-voltage surge protective devices – Part 331: Specification for metal oxide varistors (MOV) (IEC 61643-331:2003; EN 61643-331:2003)  
- zamijenjena s: HRN EN 61643-331:2018

## HZN/TO E44, Elektrotehnička sigurnost strojeva

HRN EN 60204-1:2008 en

Sigurnost strojeva – Električna oprema strojeva – 1. dio: Opći zahtjevi (IEC 60204-1:2005, MOD; EN 60204-1:2006)  
Safety of machinery – Electrical equipment of machines – Part 1: General requirements (IEC 60204-1:2005, MOD; EN 60204-1:2006)  
- zamijenjena s: HRN EN 60204-1:2018

HRN EN 60204-1:2008/A1:2009 en

Sigurnost strojeva – Električna oprema strojeva – 1. dio: Opći zahtjevi (IEC 60204-1:2005/A1:2008; EN 60204-1:2006/A1:2009)  
Safety of machinery – Electrical equipment of machines – Part 1: General requirements (IEC 60204-1:2005/A1:2008; EN 60204-1:2006/A1:2009)  
- zamijenjena s: HRN EN 60204-1:2018

HRN EN 60204-1:2008/lpr.1:2011 en

Sigurnost strojeva – Električna oprema strojeva – 1. dio: Opći zahtjevi (EN 60204-1:2006/AC:2010)  
Safety of machinery – Electrical equipment of machines – Part 1: General requirements (EN 60204-1:2006/AC:2010)  
- zamijenjena s: HRN EN 60204-1:2018

HRS CLC/TS 62046:2008 en

Sigurnost strojeva – Primjena zaštitne opreme za otkrivanje prisutnosti osoba (IEC/TS 62046:2008; CLC/TS 62046:2008)  
Safety of machinery – Application of protective equipment to detect the presence of persons (IEC/TS 62046:2008; CLC/TS 62046:2008)  
- zamijenjena s: HRN EN IEC 62046:2018

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

HRN EN 60870-6-503:2008 en

Oprema i sustavi daljinskog upravljanja – Dio 6-503: Protokoli daljinskog upravljanja usklađeni s ISO normama i ITU-T preporukama TASE.2 Servisi i protokol (IEC 60870-6-503:2002; EN 60870-6-503:2002)  
Telecontrol equipment and systems – Part 6-503: Telecontrol protocols compatible with ISO standards and ITU-T recommendations – TASE.2 Services and protocol (IEC 60870-6-503:2002; EN 60870-6-503:2002)  
- zamijenjena s: HRN EN 60870-6-503:2015

HRN EN 60870-6-702:2008 en

Oprema i sustavi daljinskog upravljanja – Dio 6-702: Protokoli daljinskog upravljanja usklađeni s ISO normama i ITU-T preporukama – Funkcijski opis za TASE.2 aplikacijske servise u ciljnom sustavu (IEC 60870-6-702:1998; EN 60870-6-702:1998)  
Telecontrol equipment and systems – Part 6-702: Telecontrol protocols compatible with ISO standards and ITU-T recommendations – Functional profile for providing the TASE.2 application service in end systems (IEC 60870-6-702:1998; EN 60870-6-702:1998)  
- zamijenjena s: HRN EN 60870-6-702:2015

HRN EN 60870-6-802:2008 en

Oprema i sustavi daljinskog upravljanja – Dio 6-802: Protokoli daljinskog upravljanja usklađeni s ISO normama i ITU-T preporukama – TASE.2 objektni model (IEC 60870-6-802:2002+am1:2005; EN 60870-6-802:2002+A1:2005)  
Telecontrol equipment and systems – Part 6-802: Telecontrol protocols compatible with ISO standards and ITU-T recommendations – TASE.2 Object models (IEC 60870-6-802:2002+am1:2005; EN 60870-6-802:2002+A1:2005)  
- zamijenjena s: HRN EN 60870-6-802:2015

HRN EN 61968-3:2008 en

Integracija aplikacija u elektroprivredama – Sučelja za sustave upravljanja u distribuciji – 3. dio: Sučelja za upravljanje distribucijskom mrežom (IEC 61968-3:2004; EN 61968-3:2004)  
Application integration at electric utilities – System interfaces for distribution management – Part 3: Interface for network operations (IEC 61968-3:2004; EN 61968-3:2004)  
- zamijenjena s: HRN EN IEC 61968-3:2018

HRN EN 61970-301:2015 en

Sučelje za aplikacije vođenja elektroenergetskog sustava (EMS-API) – 301. dio: Osnove zajedničkog modela podataka (CIM) (IEC 61970-301:2013; EN 61970-301:2014)  
Energy management system application program interface (EMS-API) – Part 301: Common information model (CIM) base (IEC 61970-301:2013; EN 61970-301:2014)  
- zamijenjena s: HRN EN 61970-301:2017

HRN EN 61970-452:2014 en

Sučelje za aplikacije vođenja elektroenergetskog sustava (EMS-API) – 452. dio: CIM profili za statički model prijenosne mreže (IEC 61970-452:2013; EN 61970-452:2013)  
Energy management system application program interface (EMS-API) – Part 452: CIM Static transmission network model profiles (IEC 61970-452:2013; EN 61970-452:2013)  
- zamijenjena s: HRN EN 61970-452:2015

HRN EN 61970-452:2015 en

Sučelje za aplikacije vođenja elektroenergetskog sustava (EMS-API) – 452. dio: Specifikacija CIM modela razmjene (IEC 61970-452:2015; EN 61970-452:2015)  
Energy management system application program interface (EMS-API) – Part 452: CIM model exchange specification (IEC 61970-452:2015; EN 61970-452:2015)  
- zamijenjena s: HRN EN 61970-452:2018

HRN EN 61970-456:2014 en

Sučelje za aplikacije vođenja elektroenergetskog sustava (EMS-API) – 456. dio: Riješeni profili stanja elektroenergetskog sustava (IEC 61970-456:2013; EN 61970-456:2013)  
Energy management system application program interface (EMS-API) – Part 456: Solved power system state profiles (IEC 61970-456:2013; EN 61970-456:2013)  
- zamijenjena s: HRN EN 61970-456:2018



- HRN EN 61970-456:2014/A1:2016 en  
Sučelje za aplikacije vođenja elektroenergetskog sustava (EMS-API) – 456. dio: Riješeni profili stanja elektroenergetskog sustava (IEC 61970-456:2013/am1:2015; EN 61970-456:2013/A1:2016)  
Energy management system application program interface (EMS-API) – Part 456: Solved power system state profiles (IEC 61970-456:2013/am1:2015; EN 61970-456:2013/A1:2016)  
- zamijenjena s: HRN EN 61970-456:2018
- HRN EN 61970-552:2014 en  
Sučelje za aplikacije vođenja elektroenergetskog sustava (EMS-API) – 552. dio: Format za razmjenu CIMXML modela (IEC 61970-552:2013; EN 61970-552:2014)  
Energy Management System Application Program Interface (EMS-API) – Part 552: CIM XML Model Exchange Format (IEC 61970-552:2013; EN 61970-552:2014)  
- zamijenjena s: HRN EN 61970-552:2017
- HRN EN 62325-301:2014 en  
Tehnički okviri za komunikaciju na tržištu električnom energijom – 301. dio: Proširenje zajedničkog informacijskog modela (CIM) prema zahtjevima tržišta (IEC 62325-301:2014; EN 62325-301:2014)  
Framework for energy market communications – Part 301: Common Information Model (CIM) extensions for markets (IEC 62325-301:2014; EN 62325-301:2014)  
- zamijenjena s: HRN EN IEC 62325-301:2018
- HRN EN 62325-351:2014 en  
Okvir za komunikaciju na tržištu električnom energijom – 351. dio: CIM europski model za razmjenu podataka na tržištu električnom energijom (IEC 62325-351:2013; EN 62325-351:2013)  
Framework for energy market communications – Part 351: CIM European market model exchange profile (IEC 62325-351:2013; EN 62325-351:2013)  
- zamijenjena s: HRN EN 62325-351:2016
- HRN EN 62325-451-1:2014 en  
Okvir za komunikaciju na tržištu električnom energijom – Dio 451-1: Poslovni proces potvrđivanja i kontekstualni model za CIM europsko tržište (IEC 62325-451-1:2013; EN 62325-451-1:2013)  
Framework for energy market communications – Part 451-1: Acknowledgement business process and contextual model for CIM European market (IEC 62325-451-1:2013; EN 62325-451-1:2013)  
- zamijenjena s: HRN EN 62325-451-1:2017
- HRN EN 62325-451-4:2016 en  
Okvir za komunikaciju na tržištu električnom energijom – Dio 451-4: Utvrđivanje i usklađivanje poslovnih procesa, kontekstualni i skupni modeli za europsko tržište (IEC 62325-451-4:2014; EN 62325-451-4:2015)  
Framework for energy market communications – Part 451-4: Settlement and reconciliation business process, contextual and assembly models for European market (IEC 62325-451-4:2014; EN 62325-451-4:2015)  
- zamijenjena s: HRN EN 62325-451-4:2017
- HRN EN 62325-451-6:2016 en  
Okvir za komunikaciju na tržištu električnom energijom – Dio 451-6: Objava informacija o tržišnim, kontekstualnim i skupnim modelima za europsko tržište (IEC 62325-451-6:2016; EN 62325-451-6:2016)  
Framework for energy market communications – Part 451-6: Publication of information on market, contextual and assembly models for European style market (IEC 62325-451-6:2016; EN 62325-451-6:2016)  
- zamijenjena s: HRN EN IEC 62325-451-6:2018
- HZN/TO E61, Sigurnost električnih kućanskih i sličnih aparata**
- HRN EN 60335-2-102:2008 en  
Kućanski i slični električni aparati – Sigurnost – Dio 2-102: Posebni zahtjevi za aparate na plinovito, uljno i kruto gorivo s električnim priključkom (IEC 60335-2-102:2004, MOD; EN 60335-2-102:2006)  
Household and similar electrical appliances – Safety – Part 2-102: Particular requirements for gas, oil and solid-fuel burning appliances having electrical connections (IEC 60335-2-102:2004, MOD; EN 60335-2-102:2006)  
- zamijenjena s: HRN EN 60335-2-102:2016
- HRN EN 60335-2-102:2008/A1:2011 en  
Kućanski i slični električni aparati – Sigurnost – Dio 2-102: Posebni zahtjevi za aparate na plinsko, uljno i kruto gorivo s električnim priključkom (IEC 60335-2-102:2004/am1:2008, MOD; EN 60335-2-102:2006/A1:2010)  
Household and similar electrical appliances – Safety – Part 2-102: Particular requirements for gas, oil and solid-fuel burning appliances having electrical connections (IEC 60335-2-102:2004/am1:2008, MOD; EN 60335-2-102:2006/A1:2010)  
- zamijenjena s: HRN EN 60335-2-102:2016
- HRN EN 60335-2-103:2008 en  
Kućanski i slični električni aparati – Sigurnost – Dio 2-103: Posebni zahtjevi za pogon vežnih vrata, vrata i prozora (IEC 60335-2-103:2002; EN 60335-2-103:2003)  
Household and similar electrical appliances – Safety – Part 2-103: Particular requirements for drives for gates, doors and windows (IEC 60335-2-103:2002; EN 60335-2-103:2003)  
- zamijenjena s: HRN EN 60335-2-103:2015
- HRN EN 60335-2-103:2008/A11:2011 en  
Kućanski i slični električni aparati – Sigurnost – Dio 2-103: Posebni zahtjevi za pogon vežnih vrata, vrata i prozora (EN 60335-2-103:2003/A11:2009)  
Household and similar electrical appliances – Safety – Part 2-103: Particular requirements for drives for gates, doors and windows (EN 60335-2-103:2003/A11:2009)  
- zamijenjena s: HRN EN 60335-2-103:2015
- HRN EN 60335-2-15:2006 en  
Kućanski i slični električni aparati – Sigurnost – Dio 2-15: Posebni zahtjevi aparata za grijanje tekućina (IEC 60335-2-15:2002; EN 60335-2-15:2002)  
Household and similar electrical appliances – Safety – Part 2-15: Particular requirements for appliances for heating liquids (IEC 60335-2-15:2002; EN 60335-2-15:2002)  
- zamijenjena s: HRN EN 60335-2-15:2016
- HRN EN 60335-2-15:2006/A11:2012 en  
Kućanski i slični električni aparati – Sigurnost – Dio 2-15: Posebni zahtjevi aparata za grijanje tekućina (EN 60335-2-15:2002/A11:2012)  
Household and similar electrical appliances – Safety – Part 2-15: Particular requirements for appliances for heating liquids (EN 60335-2-15:2002/A11:2012)  
- zamijenjena s: HRN EN 60335-2-15:2016
- HRN EN 60335-2-15:2006/A11:2012/Ispr.1:2014 en  
Kućanski i slični električni aparati – Sigurnost – Dio 2-15: Posebni zahtjevi aparata za grijanje tekućina (EN 60335-2-15:2002/A11:2012/AC:2013)  
Household and similar electrical appliances – Safety – Part 2-15: Particular requirements for appliances for heating liquids (EN 60335-2-15:2002/A11:2012/AC:2013)  
- zamijenjena s: HRN EN 60335-2-15:2016
- HRN EN 60335-2-15:2006/A1:2008 en  
Kućanski i slični električni aparati – Sigurnost – Dio 2-15: Posebni zahtjevi aparata za grijanje tekućina (IEC 60335-2-15:2002/am1:2005; EN 60335-2-15:2002/A1:2005)  
Household and similar electrical appliances – Safety – Part 2-15: Particular requirements for appliances for heating liquids (IEC 60335-2-15:2002/am1:2005; EN 60335-2-15:2002/A1:2005)  
- zamijenjena s: HRN EN 60335-2-15:2016
- HRN EN 60335-2-15:2006/A2:2008 en  
Kućanski i slični električni aparati – Sigurnost – Dio 2-15: Posebni zahtjevi aparata za grijanje tekućina (IEC 60335-2-15:2002/am2:2008; EN 60335-2-15:2002/A2:2008)  
Household and similar electrical appliances – Safety – Part 2-15: Particular requirements for appliances for heating liquids (IEC 60335-2-15:2002/am2:2008; EN 60335-2-15:2002/A2:2008)  
- zamijenjena s: HRN EN 60335-2-15:2016
- HRN EN 60335-2-15:2006/Ispr.1:2012 en  
Kućanski i slični električni aparati – Sigurnost – Dio 2-15: Posebni zahtjevi aparata za grijanje tekućina (EN 60335-2-15:2002/AC:2006)  
Household and similar electrical appliances – Safety – Part 2-15: Particular requirements for appliances for heating liquids (EN 60335-2-15:2002/AC:2006)  
- zamijenjena s: HRN EN 60335-2-15:2016

- HRN EN 60335-2-15:2006/Ispr.2:2014 en  
 Kućanski i slični električni aparati – Sigurnost – Dio 2-15: Posebni zahtjevi aparata za grijanje tekućina (EN 60335-2-15:2002/AC:2005)  
 Household and similar electrical appliances – Safety – Part 2-15: Particular requirements for appliances for heating liquids (EN 60335-2-15:2002/AC:2005)  
 - zamijenjena s: HRN EN 60335-2-15:2016
- HRN EN 60335-2-3:2005 en  
 Kućanski i slični električni aparati – Sigurnost – Dio 2-3: Posebni zahtjevi za glačala (IEC 60335-2-3:2002+Corr.1:2002; EN 60335-2-3:2002)  
 Household and similar electrical appliances – Safety – Part 2-3: Particular requirements for electric irons (IEC 60335-2-3:2002+Corr.1:2002; EN 60335-2-3:2002)  
 - zamijenjena s: HRN EN 60335-2-3:2016
- HRN EN 60335-2-3:2005/A11:2011 en  
 Kućanski i slični električni aparati – Sigurnost – Dio 2-3: Posebni zahtjevi za električna glačala (EN 60335-2-3:2002/A11:2010)  
 Household and similar electrical appliances – Safety – Part 2-3: Particular requirements for electric irons (EN 60335-2-3:2002/A11:2010)  
 - zamijenjena s: HRN EN 60335-2-3:2016
- HRN EN 60335-2-3:2005/A11:2011/Ispr.1:2012 en  
 Kućanski i slični električni aparati – Sigurnost – Dio 2-3: Posebni zahtjevi za električna glačala (EN 60335-2-3:2002/A11:2010/AC:2012)  
 Household and similar electrical appliances – Safety – Part 2-3: Particular requirements for electric irons (EN 60335-2-3:2002/A11:2010/AC:2012)  
 - zamijenjena s: HRN EN 60335-2-3:2016
- HRN EN 60335-2-3:2005/A1:2008 en  
 Kućanski i slični električni aparati – Sigurnost – Dio 2-3: Posebni zahtjevi za glačala (IEC 60335-2-3:2002/am1:2004; EN 60335-2-3:2002/A1:2005)  
 Household and similar electrical appliances – Safety – Part 2-3: Particular requirements for electric irons (IEC 60335-2-3:2002/am1:2004; EN 60335-2-3:2002/A1:2005)  
 - zamijenjena s: HRN EN 60335-2-3:2016
- HRN EN 60335-2-3:2005/A2:2008 en  
 Kućanski i slični električni aparati – Sigurnost – Dio 2-3: Posebni zahtjevi za glačala (IEC 60335-2-3:2002/am2:2008; EN 60335-2-3:2002/A2:2008)  
 Household and similar electrical appliances – Safety – Part 2-3: Particular requirements for electric irons (IEC 60335-2-3:2002/am2:2008; EN 60335-2-3:2002/A2:2008)  
 - zamijenjena s: HRN EN 60335-2-3:2016
- HRN EN 60335-2-34:2006 en  
 Kućanski i slični električni aparati – Sigurnost – Dio 2-34: Posebni zahtjevi za motorne kompresore (IEC 60335-2-34:2002; EN 60335-2-34:2002)  
 Household and similar electrical appliances – Safety – Part 2-34: Particular requirements for motor-compressors (IEC 60335-2-34:2002; EN 60335-2-34:2002)  
 - zamijenjena s: HRN EN 60335-2-34:2013
- HRN EN 60335-2-34:2006/A11:2008 en  
 Kućanski i slični električni aparati – Sigurnost – Dio 2-34: Posebni zahtjevi za motorne kompresore (EN 60335-2-34:2002/A11:2004)  
 Household and similar electrical appliances – Safety – Part 2-34: Particular requirements for motor-compressors (EN 60335-2-34:2002/A11:2004)  
 - zamijenjena s: HRN EN 60335-2-34:2013
- HRN EN 60335-2-34:2006/A1:2008 en  
 Kućanski i slični električni aparati – Sigurnost – Dio 2-34: Posebni zahtjevi za motorne kompresore (IEC 60335-2-34:2002/am1:2004; EN 60335-2-34:2002/A1:2005)  
 Household and similar electrical appliances – Safety – Part 2-34: Particular requirements for motor-compressors (IEC 60335-2-34:2002/am1:2004; EN 60335-2-34:2002/A1:2005)  
 - zamijenjena s: HRN EN 60335-2-34:2013
- HRN EN 60335-2-34:2006/A2:2011 en  
 Kućanski i slični električni aparati – Sigurnost – Dio 2-34: Posebni zahtjevi za motorne kompresore (IEC 60335-2-34:2002/am2:2008; EN 60335-2-34:2002/A2:2009)  
 Household and similar electrical appliances – Safety – Part 2-34: Particular requirements for motor-compressors (IEC 60335-2-34:2002/am2:2008; EN 60335-2-34:2002/A2:2009)  
 - zamijenjena s: HRN EN 60335-2-34:2013
- HRN EN 60335-2-35:2006 en  
 Kućanski i slični električni aparati – Sigurnost – Dio 2-35: Posebni zahtjevi protočnih vodogrijalica (IEC 60335-2-35:2002; EN 60335-2-35:2002)  
 Household and similar electrical appliances – Safety – Part 2-35: Particular requirements for instantaneous water heaters (IEC 60335-2-35:2002; EN 60335-2-35:2002)  
 - zamijenjena s: HRN EN 60335-2-35:2016
- HRN EN 60335-2-35:2006/A1:2008 en  
 Kućanski i slični električni aparati – Sigurnost – Dio 2-35: Posebni zahtjevi protočnih vodogrijalica (IEC 60335-2-35:2002/am1:2006; EN 60335-2-35:2002/A1:2007)  
 Household and similar electrical appliances – Safety – Part 2-35: Particular requirements for instantaneous water heaters (IEC 60335-2-35:2002/am1:2006; EN 60335-2-35:2002/A1:2007)  
 - zamijenjena s: HRN EN 60335-2-35:2016
- HRN EN 60335-2-35:2006/A2:2012 en  
 Kućanski i slični električni aparati – Sigurnost – Dio 2-35: Posebni zahtjevi protočnih vodogrijalica (IEC 60335-2-35:2002/am2:2009, MOD; EN 60335-2-35:2002/A2:2011)  
 Household and similar electrical appliances – Safety – Part 2-35: Particular requirements for instantaneous water heaters (IEC 60335-2-35:2002/am2:2009, MOD; EN 60335-2-35:2002/A2:2011)  
 - zamijenjena s: HRN EN 60335-2-35:2016
- HRN EN 60335-2-35:2006/Ispr.1:2012 en  
 Kućanski i slični električni aparati – Sigurnost – Dio 2-35: Posebni zahtjevi protočnih vodogrijalica (EN 60335-2-35:2002/AC:2005)  
 Household and similar electrical appliances – Safety – Part 2-35: Particular requirements for instantaneous water heaters (EN 60335-2-35:2002/AC:2005)  
 - zamijenjena s: HRN EN 60335-2-35:2016
- HRN EN 60335-2-61:2008/A11:2019 en  
 Kućanski i slični električni aparati – Sigurnost – Dio 2-61: Posebni zahtjevi za termoakumulacijske peći (EN 60335-2-61:2003/A11:2019)  
 Household and similar electrical appliances – Safety – Part 2-61: Particular requirements for thermal-storage room heaters (EN 60335-2-61:2003/A11:2019)  
 - bez zamjene
- HRN EN 60335-2-6:2006 en  
 Kućanski i slični električni aparati – Sigurnost – Dio 2-6: Posebni zahtjevi za nepomične štednjake, kuhala, pećnice i slične aparate (IEC 60335-2-6:2002, mod.; EN 60335-2-6:2003)  
 Household and similar electrical appliances – Safety – Part 2-6: Particular requirements for stationary cooking ranges, hobs, ovens and similar appliances (IEC 60335-2-6:2002, mod.; EN 60335-2-6:2003)  
 - zamijenjena s: HRN EN 60335-2-6:2015
- HRN EN 60335-2-6:2006/A11:2011 en  
 Kućanski i slični električni aparati – Sigurnost – Dio 2-6: Posebni zahtjevi za nepomične štednjake, kuhala, pećnice i slične aparate (EN 60335-2-6:2003/A11:2010)  
 Household and similar electrical appliances – Safety – Part 2-6: Particular requirements for stationary cooking ranges, hobs, ovens and similar appliances (EN 60335-2-6:2003/A11:2010)  
 - zamijenjena s: HRN EN 60335-2-6:2015
- HRN EN 60335-2-6:2006/A11:2011/Ispr.1:2012 en  
 Kućanski i slični električni aparati – Sigurnost – Dio 2-6: Posebni zahtjevi za nepomične štednjake, kuhala, pećnice i slične aparate (EN 60335-2-6:2003/A11:2010/AC:2012)  
 Household and similar electrical appliances – Safety – Part 2-6: Particular requirements for stationary cooking ranges, hobs, ovens and similar appliances (EN 60335-2-6:2003/A11:2010/AC:2012)  
 - bez zamjene
- HRN EN 60335-2-6:2006/A1:2008 en  
 Kućanski i slični električni aparati – Sigurnost – Dio 2-6: Posebni zahtjevi za nepomične štednjake, kuhala, pećnice i slične aparate (IEC 60335-2-6:2002/am1:2004; EN 60335-2-6:2003/A1:2005)  
 Household and similar electrical appliances – Safety – Part 2-6: Particular requirements for stationary cooking ranges, hobs, ovens and similar appliances (IEC 60335-2-6:2002/am1:2004; EN 60335-2-6:2003/A1:2005)  
 - zamijenjena s: HRN EN 60335-2-6:2015

- HRN EN 60335-2-6:2006/A12:2013 en  
 Kućanski i slični električni aparati – Sigurnost – Dio 2-6: Posebni zahtjevi za nepomične štednjake, kuhala, pećnice i slične aparate (EN 60335-2-6:2003/A12:2012)  
 Household and similar electrical appliances – Safety – Part 2-6: Particular requirements for stationary cooking ranges, hobs, ovens and similar appliances (EN 60335-2-6:2003/A12:2012)  
 - zamijenjena s: HRN EN 60335-2-6:2015
- HRN EN 60335-2-6:2006/A13:2013 en  
 Kućanski i slični električni aparati – Sigurnost – Dio 2-6: Posebni zahtjevi za nepomične štednjake, kuhala, pećnice i slične aparate (EN 60335-2-6:2003/A13:2013)  
 Household and similar electrical appliances – Safety – Part 2-6: Particular requirements for stationary cooking ranges, hobs, ovens and similar appliances (EN 60335-2-6:2003/A13:2013)  
 - zamijenjena s: HRN EN 60335-2-6:2015
- HRN EN 60335-2-6:2006/A2:2008 en  
 Kućanski i slični električni aparati – Sigurnost – Dio 2-6: Posebni zahtjevi za nepomične štednjake, kuhala, pećnice i slične aparate (IEC 60335-2-6:2002/am2:2008; EN 60335-2-6:2003/A2:2008)  
 Household and similar electrical appliances – Safety – Part 2-6: Particular requirements for stationary cooking ranges, hobs, ovens and similar appliances (IEC 60335-2-6:2002/am2:2008; EN 60335-2-6:2003/A2:2008)  
 - zamijenjena s: HRN EN 60335-2-6:2015
- HRN EN 60335-2-6:2006/Ispr.1:2012 en  
 Kućanski i slični električni aparati – Sigurnost – Dio 2-6: Posebni zahtjevi za nepomične štednjake, kuhala, pećnice i slične aparate (EN 60335-2-6:2003/AC:2007)  
 Household and similar electrical appliances – Safety – Part 2-6: Particular requirements for stationary cooking ranges, hobs, ovens and similar appliances (EN 60335-2-6:2003/AC:2007)  
 - zamijenjena s: HRN EN 60335-2-6:2015
- HRN EN 60335-2-7:2006/A11:2011 en  
 Kućanski i slični električni aparati – Sigurnost – Dio 2-7: Posebni zahtjevi za perilice rublja (EN 60335-2-7:2003/A11:2010)  
 Household and similar electrical appliances – Safety – Part 2-7: Particular requirements for washing machines (EN 60335-2-7:2003/A11:2010)  
 - bez zamjene
- HRN EN 60335-2-7:2006/A11:2011/Ispr.1:2012 en  
 Kućanski i slični električni aparati – Sigurnost – Dio 2-7: Posebni zahtjevi za perilice rublja (EN 60335-2-7:2003/A11:2010/AC:2012)  
 Household and similar electrical appliances – Safety – Part 2-7: Particular requirements for washing machines (EN 60335-2-7:2003/A11:2010/AC:2012)  
 - bez zamjene
- HRN EN IEC 60335-2-76:2018 en  
 Kućanski i slični električni aparati – Sigurnost – Dio 2-76: Posebni zahtjevi za električne ograde (IEC 60335-2-76:2018; EN IEC 60335-2-76:2018)  
 Household and similar electrical appliances – Safety – Part 2-76: Particular requirements for electric fence energizers (IEC 60335-2-76:2018; EN IEC 60335-2-76:2018)  
 - bez zamjene
- HRN EN 60335-2-8:2005 en  
 Kućanski i slični električni aparati – Sigurnost – Dio 2-8: Posebni zahtjevi za brijala, šišala i slične aparate (IEC 60335-2-8:2002, mod.; EN 60335-2-8:2003)  
 Household and similar electrical appliances – Safety – Part 2-8: Particular requirements for shavers, hair clippers and similar appliances (IEC 60335-2-8:2002, mod.; EN 60335-2-8:2003)  
 - zamijenjena s: HRN EN 60335-2-8:2015
- HRN EN 60335-2-8:2005/A1:2008 en  
 Kućanski i slični električni aparati – Sigurnost – Dio 2-8: Posebni zahtjevi za brijala, šišala i slične aparate (IEC 60335-2-8:2002/am1:2005; EN 60335-2-8:2003/A1:2005)  
 Household and similar electrical appliances – Safety – Part 2-8: Particular requirements for shavers, hair clippers and similar appliances (IEC 60335-2-8:2002/am1:2005; EN 60335-2-8:2003/A1:2005)  
 - zamijenjena s: HRN EN 60335-2-8:2015
- HRN EN 60335-2-8:2005/A2:2008 en  
 Kućanski i slični električni aparati – Sigurnost – Dio 2-8: Posebni zahtjevi za brijala, šišala i slične aparate (IEC 60335-2-8:2002/am2:2008; EN 60335-2-8:2003/A2:2008)  
 Household and similar electrical appliances – Safety – Part 2-8: Particular requirements for shavers, hair clippers and similar appliances (IEC 60335-2-8:2002/am2:2008; EN 60335-2-8:2003/A2:2008)  
 - zamijenjena s: HRN EN 60335-2-8:2015
- HRN EN 60335-2-95:2008 en  
 Kućanski i slični električni aparati – Sigurnost – Dio 2-95: Posebni zahtjevi pogona za okomito pomicanje garažnih vrata u domaćinstvu (IEC 60335-2-95:2002, MOD; EN 60335-2-95:2004)  
 Household and similar electrical appliances – Safety – Part 2-95: Particular requirements for drives for vertically moving garage doors for residential use (IEC 60335-2-95:2002, MOD; EN 60335-2-95:2004)  
 - zamijenjena s: HRN EN 60335-2-95:2015
- HZN/TO E64, Električne instalacije i zaštita od električnog udara**
- HRN HD 60364-4-41:2007 en  
 Niskonaponske električne instalacije – Dio 4-41: Sigurnosna zaštita – Zaštita od električnog udara (IEC 60364-4-41:2005, MOD; HD 60364-4-41:2007)  
 Low-voltage electrical installations – Part 4-41: Protection for safety – Protection against electric shock (IEC 60364-4-41:2005, MOD; HD 60364-4-41:2007)  
 - zamijenjena s: HRN HD 60364-4-41:2017
- HRN HD 60364-4-41:2007/A11:2017 en  
 Niskonaponske električne instalacije – Dio 4-41: Sigurnosna zaštita – Zaštita od električnog udara (HD 60364-4-41:2007/A11:2017)  
 Low-voltage electrical installations – Part 4-41: Protection for safety – Protection against electric shock (HD 60364-4-41:2007/A11:2017)  
 - bez zamjene
- HRN HD 60364-4-41:2007/Ispr.1:2014 en  
 Niskonaponske električne instalacije – Dio 4-41: Sigurnosna zaštita – Zaštita od električnog udara (HD 60364-4-41:2007/AC:2007)  
 Low-voltage electrical installations – Part 4-41: Protection for safety – Protection against electric shock (HD 60364-4-41:2007/AC:2007)  
 - zamijenjena s: HRN HD 60364-4-41:2017
- HRN HD 60364-7-704:2007 en  
 Niskonaponske električne instalacije – Dio 7-704: Zahtjevi za posebne instalacije ili prostore – Instalacije gradilišta i rušilišta (IEC 60364-7-704:2005, MOD; HD 60364-7-704:2007)  
 Low-voltage electrical installations – Part 7-704: Requirements for special installations or locations – Construction and demolition site installations (IEC 60364-7-704:2005, MOD; HD 60364-7-704:2007)  
 - zamijenjena s: HRN HD 60364-7-704:2018
- HRN HD 60364-7-704:2007/A11:2017 en  
 Niskonaponske električne instalacije – Dio 7-704: Zahtjevi za posebne instalacije ili prostore – Instalacije gradilišta i rušilišta (HD 60364-7-704:2007/A11:2017)  
 Low-voltage electrical installations – Part 7-704: Requirements for special installations or locations – Construction and demolition site installations (HD 60364-7-704:2007/A11:2017)  
 - zamijenjena s: HRN HD 60364-7-704:2018
- HRN HD 60364-7-704:2007/Ispr.1:2014 en  
 Niskonaponske električne instalacije – Dio 7-704: Zahtjevi za posebne instalacije ili prostore – Instalacije gradilišta i rušilišta (HD 60364-7-704:2007/AC:2008)  
 Low-voltage electrical installations – Part 7-704: Requirements for special installations or locations – Construction and demolition site installations (HD 60364-7-704:2007/AC:2008)  
 - zamijenjena s: HRN HD 60364-7-704:2018
- HRN HD 60364-7-708:2010 en  
 Niskonaponske električne instalacije – Dio 7-708: Zahtjevi za posebne instalacije ili prostore – Kampovi za kamp prikolice i šatore te slični prostori (IEC 60364-7-708:2007, MOD; HD 60364-7-708:2009)  
 Low-voltage electrical installations – Part 7-708: Requirements for special installations or locations – Caravan parks, camping parks and similar locations (IEC 60364-7-708:2007, MOD; HD 60364-7-708:2009)  
 - zamijenjena s: HRN HD 60364-7-708:2017



HRN HD 60364-7-708:2010/A11:2017 en  
Niskonaponske električne instalacije – Dio 7-708: Zahtjevi za posebne instalacije ili prostore – Kampovi za kamp prikolice i šatore te slični prostori (HD 60364-7-708:2009/A11:2017)  
Low-voltage electrical installations – Part 7-708: Requirements for special installations or locations – Caravan parks, camping parks and similar locations (HD 60364-7-708:2009/A11:2017)  
- zamijenjena s: HRN HD 60364-7-708:2017

HRN HD 60364-7-722:2016 en  
Niskonaponske električne instalacije – Dio 7-722: Zahtjevi za posebne instalacije ili prostore – Napajanje električnih vozila (IEC 60364-7-722:2015, MOD; HD 60364-7-722:2016)  
Low-voltage electrical installations – Part 7-722: Requirements for special installations or locations – Supplies for electric vehicles (IEC 60364-7-722:2015, MOD; HD 60364-7-722:2016)  
- zamijenjena s: HRN HD 60364-7-722:2019

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

HRN EN 61326-3-2:2008 en  
Električna oprema za mjerenje, vođenje i laboratorijsku uporabu – Zahtjevi za elektromagnetsku kompatibilnost (EMC) – Dio 3-2: Zahtjevi za imunost sigurnosnih sustava i opremu namijenjenu za određivanje sigurnosnih funkcija (funkcionalna sigurnost) – Industrijske primjene s uvjetovanim elektromagnetskim okruženjem (IEC 61326-3-2:2008; EN 61326-3-2:2008)  
Electrical equipment for measurement, control and laboratory use – EMC requirements – Part 3-2: Immunity requirements for safety-related systems and for equipment intended to perform safety-related functions (functional safety) – Industrial applications with specified electromagnetic environment (IEC 61326-3-2:2008; EN 61326-3-2:2008)  
- zamijenjena s: HRN EN IEC 61326-3-2:2018

HRN EN 61784-5-12:2012 en  
Industrijske komunikacijske mreže – Profili – Dio 5-12: Instalacija industrijskih sabirnica (fieldbus) – Instalacijski profili za CPF 12 (IEC 61784-5-12:2010; EN 61784-5-12:2012)  
Industrial communication networks – Profiles – Part 5-12: Installation of fieldbuses – Installation profiles for CPF 12 (IEC 61784-5-12:2010; EN 61784-5-12:2012)  
- zamijenjena s: HRN EN IEC 61784-5-12:2019

HRN EN 61784-5-12:2012/A1:2015 en  
Industrijske komunikacijske mreže – Profili – Dio 5-12: Instalacija industrijskih sabirnica (fieldbus) – Instalacijski profili za CPF 12 (IEC 61784-5-12:2010/am1:2015; EN 61784-5-12:2012/A1:2015)  
Industrial communication networks – Profiles – Part 5-12: Installation of fieldbuses – Installation profiles for CPF 12 (IEC 61784-5-12:2010/am1:2015; EN 61784-5-12:2012/A1:2015)  
- zamijenjena s: HRN EN IEC 61784-5-12:2019

HRN EN 61784-5-18:2014 en  
Industrijske komunikacijske mreže – Profili – Dio 5-18: Instalacija industrijskih sabirnica (fieldbus) – Instalacijski profili za CPF 18 (IEC 61784-5-18:2013; EN 61784-5-18:2013)  
Industrial communication networks – Profiles – Part 5-18: Installation of fieldbuses – Installation profiles for CPF 18 (IEC 61784-5-18:2013; EN 61784-5-18:2013)  
- zamijenjena s: HRN EN IEC 61784-5-18:2019

HRN EN 61784-5-2:2014 en  
Industrijske komunikacijske mreže – Profili – Dio 5-2: Instalacija industrijskih sabirnica (fieldbus) – Instalacijski profili za CPF 2 (IEC 61784-5-2:2013; EN 61784-5-2:2013)  
Industrial communication networks – Profiles – Part 5-2: Installation of fieldbuses – Installation profiles for CPF 2 (IEC 61784-5-2:2013; EN 61784-5-2:2013)  
- zamijenjena s: HRN EN IEC 61784-5-2:2019

HRN EN 61784-5-3:2014 en  
Industrijske komunikacijske mreže – Profili – Dio 5-3: Instalacija industrijskih sabirnica (fieldbus) – Instalacijski profili za CPF 3 (IEC 61784-5-3:2013; EN 61784-5-3:2013)  
Industrial communication networks – Profiles – Part 5-3: Installation of fieldbuses – Installation profiles for CPF 3 (IEC 61784-5-3:2013; EN 61784-5-3:2013)  
- zamijenjena s: HRN EN IEC 61784-5-3:2019

HRN EN 61784-5-6:2014 en  
Industrijske komunikacijske mreže – Profili – Dio 5-6: Instalacija industrijskih sabirnica (fieldbus) – Instalacijski profili za CPF 6 (IEC 61784-5-6:2013; EN 61784-5-6:2013)  
Industrial communication networks – Profiles – Part 5-6: Installation of fieldbuses – Installation profiles for CPF 6 (IEC 61784-5-6:2013; EN 61784-5-6:2013)  
- zamijenjena s: HRN EN IEC 61784-5-6:2019

HRN EN 61784-5-8:2014 en  
Industrijske komunikacijske mreže – Profili – Dio 5-8: Instalacija industrijskih sabirnica (fieldbus) – Instalacijski profili za CPF 8 (IEC 61784-5-8:2013; EN 61784-5-8:2013)  
Industrial communication networks – Profiles – Part 5-8: Installation of fieldbuses – Installation profiles for CPF 8 (IEC 61784-5-8:2013; EN 61784-5-8:2013)  
- zamijenjena s: HRN EN IEC 61784-5-8:2019

HRN EN 61918:2014 en  
Industrijske komunikacijske mreže – Instalacija komunikacijskih mreža u industrijskim uvjetima (IEC 61918:2013, MOD; EN 61918:2013)  
Industrial communication networks – Installation of communication networks in industrial premises (IEC 61918:2013, MOD; EN 61918:2013)  
- zamijenjena s: HRN EN IEC 61918:2018

HRN EN 61918:2014/Ispr.1:2014 en  
Industrijske komunikacijske mreže – Instalacija komunikacijskih mreža u industrijskim uvjetima (EN 61918:2013/AC:2014)  
Industrial communication networks – Installation of communication networks in industrial premises (EN 61918:2013/AC:2014)  
- zamijenjena s: HRN EN IEC 61918:2018

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

HRN EN 61851-21:2008 en  
Sustav kontaktnog punjenja električnih vozila – 21. dio: Zahtjevi za kontaktno spajanje električnog vozila na izmjenični/istosmjerni sustav napajanja (IEC 61851-21:2001; EN 61851-21:2002)  
Electric vehicle conductive charging system – Part 21: Electric vehicle requirements for conductive connection to an a.c./d.c. supply (IEC 61851-21:2001; EN 61851-21:2002)  
- zamijenjena s: HRN EN 61851-21-1:2017, HRN EN 61851-21-2:2021

HRN EN 61851-22:2008 en  
Sustav kontaktnog punjenja električnih vozila – 22. dio: Stanica za punjenje vozila izmjeničnom strujom (IEC 61851-22:2001; EN 61851-22:2002)  
Electric vehicle conductive charging system – Part 22: AC electric vehicle charging station (IEC 61851-22:2001; EN 61851-22:2002)  
- bez zamjene

HRN EN 62576:2012 en  
Električni dvoslojni kondenzatori za uporabu u hibridnim električnim vozilima – Ispitne metode električnih značajki (IEC 62576:2009; EN 62576:2010)  
Electric double-layer capacitors for use in hybrid electric vehicles – Test methods for electrical characteristics (IEC 62576:2009; EN 62576:2010)  
- zamijenjena s: HRN EN IEC 62576:2018

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

HRN EN 61040:1999 de  
Detektori, mjerni uređaji i oprema za mjerenje snage i energije laserskoga zračenja (IEC 61040:1990; EN 61040:1992)  
Power and energy measuring detectors, instruments and equipment for laser radiation (IEC 61040:1990; EN 61040:1992)  
- bez zamjene

## **HZN/TO E78, Rad pod naponom**

HRN EN 50321:2008 en  
Električna izolacijska obuća za rad u postrojenjima niskog napona (EN 50321:1999)  
Electrically insulating footwear for working on low voltage installations (EN 50321:1999)  
- zamijenjena s: HRN EN 50321-1:2018

HRN EN 60855:2008 en  
Izolacijske cijevi punjene pjenom i štapovi punog presjeka za rad pod naponom (IEC 60855:1985, MOD; EN 60855:1996)  
Insulating foam-filled tubes and solid rods for live working (IEC 60855:1985, MOD; EN 60855:1996)  
- zamijenjena s: HRN EN 60855-1:2017

HRN EN 60900:2013 en  
Rad pod naponom – Ručni alati za rad pod naponom do 1000 V izmjenično i 1500 V istosmjerno (IEC 60900:2012; EN 60900:2012)  
Live working – Hand tools for use up to 1000 V a.c. and 1500 V d.c. (IEC 60900:2012; EN 60900:2012)  
- zamijenjena s: HRN EN IEC 60900:2018



HRN EN 61057:2008 en  
Nadzemne platforme s izolacijskim umetkom za rad pod naponom iznad izmjeničnog napona 1 kV (IEC 61057:1991, MOD; EN 61057:1993)  
Aerial devices with insulating boom used for live working exceeding 1 kV a.c. (IEC 61057:1991, MOD; EN 61057:1993)  
- zamijenjena s: HRN EN 61057:2017

HRN EN 61057:2008/Ispr.1:2014 en  
Nadzemne platforme s izolacijskim umetkom za rad pod naponom iznad izmjeničnog napona 1 kV (EN 61057:1993/AC:2005)  
Aerial devices with insulating boom used for live working exceeding 1 kV a.c. (EN 61057:1993/AC:2005)  
- zamijenjena s: HRN EN 61057:2017

HRN EN 61243-3:2011 en  
Rad pod naponom – Indikatori napona – 3. dio: Niskonaponski dvopolni tip (IEC 61243-3:2009; EN 61243-3:2010)  
Live working – Voltage detectors – Part 3: Two-pole low-voltage type (IEC 61243-3:2009; EN 61243-3:2010)  
- zamijenjena s: HRN EN 61243-3:2015

HRN EN 61482-1-2:2008 en  
Rad pod naponom – Odjeća za zaštitu od toplinskih učinaka električnog luka – Dio 1-2: Ispitne metode – Metoda 2: Određivanje klase zaštite od električnog luka za materijale i odjeću uporabom ograničenog i usmjerenog električnog luka (ispitivanje kutijom) (IEC 61482-1-2:2007; EN 61482-1-2:2007)  
Live working – Protective clothing against the thermal hazards of an electric arc – Part 1-2: Test methods – Method 2: Determination of arc protection class of material and clothing by using a constrained and directed arc (box test) (IEC 61482-1-2:2007; EN 61482-1-2:2007)  
- zamijenjena s: HRN EN 61482-1-2:2015

## **HZN/TO E79, Alarmni sustavi**

HRS CLC/TS 50131-2-10:2014 en  
Alarmni sustavi – Protuprovalni i protuprepadni sustavi – Dio 2-10: Protuprovalni detektori – Kontakti za detekciju zaključanosti (magnetski) (CLC/TS 50131-2-10:2014)  
Alarm systems – Intrusion and hold-up systems – Part 2-10: Intrusion detectors – Lock state contacts (magnetic) (CLC/TS 50131-2-10:2014)  
- zamijenjena s: HRN EN 50131-2-10:2018

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

HRN EN 61993-2:2013 en  
Pomorska navigacijska i radiokomunikacijska oprema i sustavi – Sustavi automatske identifikacije (AIS) – 2. dio: Brodska oprema za univerzalni sustav automatske identifikacije (AIS) razreda A – Radni i izvedbeni zahtjevi, metode ispitivanja i zahtijevani rezultati ispitivanja (IEC 61993-2:2012; EN 61993-2:2013)  
Maritime navigation and radiocommunication equipment and systems – Automatic Identification Systems (AIS) – Part 2: Class A shipborne equipment of the automatic identification system (AIS) – Operational and performance requirements, methods of test and required test results (IEC 61993-2:2012; EN 61993-2:2013)  
- zamijenjena s: HRN EN IEC 61993-2:2018

## **HZN/TO E81, Zaštita od munje**

HRN EN 50468:2011 en  
Zahtjevi za podnosivost prenapona i udarnih struja munje za uređaje s telekomunikacijskim ulazima (EN 50468:2009)  
Resistibility requirements to overvoltages and overcurrents due to lightning for equipment having telecommunication ports (EN 50468:2009)  
- bez zamjene

HRN EN 50536:2013 en  
Zaštita od munje – Sustavi detekcije grmljavinskih oluja (EN 50536:2011+AC:2011+A1:2012)  
Protection against lightning – Thunderstorm warning systems (EN 50536:2011+AC:2011+A1:2012)  
- bez zamjene

HRN EN 62561-1:2013 en  
Sastavnice sustava zaštite od munje (LPSC) – 1. dio: Zahtjevi za spojne elemente (IEC 62561-1:2012, MOD; EN 62561-1:2012)  
Lightning Protection System Components (LPSC) – Part 1: Requirements for connection components (IEC 62561-1:2012, MOD; EN 62561-1:2012)  
- zamijenjena s: HRN EN 62561-1:2017

HRN EN 62561-2:2013 en  
Sastavnice sustava zaštite od munje (LPSC) – 2. dio: Zahtjevi za vodiče i uzemljivače (IEC 62561-2:2012, MOD; EN 62561-2:2012)  
Lightning Protection System Components (LPSC) – Part 2: Requirements for conductors and earth electrodes (IEC 62561-2:2012, MOD; EN 62561-2:2012)  
- zamijenjena s: HRN EN 62561-2:2018

HRN EN 62561-3:2013 en  
Sastavnice sustava zaštite od munje (LPSC) – 3. dio: Zahtjevi za odvojna iskrišta (IEC 62561-3:2012, MOD; EN 62561-3:2012)  
Lightning Protection System Components (LPSC) – Part 3: Requirements for isolating spark gaps (IEC 62561-3:2012, MOD; EN 62561-3:2012)  
- zamijenjena s: HRN EN 62561-3:2017

HRN EN 62561-4:2013 en  
Sastavnice sustava zaštite od munje (LPSC) – 4. dio: Zahtjevi za držače vodiča (IEC 62561-4:2010, MOD; EN 62561-4:2011)  
Lightning protection system components (LPSC) – Part 4: Requirements for conductor fasteners (IEC 62561-4:2010, MOD; EN 62561-4:2011)  
- zamijenjena s: HRN EN 62561-4:2018

HRN EN 62561-5:2013 en  
Sastavnice sustava zaštite od munje (LPSC) – 5. dio: Zahtjevi za uzemne zdence i brtvenice vodiča uzemljivača (IEC 62561-5:2011, MOD; EN 62561-5:2011)  
Lightning protection system components (LPSC) – Part 5: Requirements for earth electrode inspection housings and earth electrode seals (IEC 62561-5:2011, MOD; EN 62561-5:2011)  
- zamijenjena s: HRN EN 62561-5:2018

HRN EN 62561-6:2013 en  
Sastavnice sustava zaštite od munje (LPSC) – 6. dio: Zahtjevi za brojače udara munja (IEC 62561-6:2011, MOD; EN 62561-6:2011)  
Lightning protection system components (LPSC) – Part 6: Requirements for lightning strike counters (LSC) (IEC 62561-6:2011, MOD; EN 62561-6:2011)  
- zamijenjena s: HRN EN 62561-6:2018

HRN EN 62561-7:2013 en  
Sastavnice sustava zaštite od munje (LPSC) – 7. dio: Zahtjevi za smjese za poboljšanje uzemljenja (IEC 62561-7:2011, MOD; EN 62561-7:2012)  
Lightning Protection System Components (LPSC) – Part 7: Requirements for earthing enhancing compounds (IEC 62561-7:2011, MOD; EN 62561-7:2012)  
- zamijenjena s: HRN EN IEC 62561-7:2018

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

HRN EN 62586-1:2014 en  
Mjerenje kvalitete energije u sustavima opskrbe energijom – 1. dio: Instrumenti za mjerenje kvalitete energije (IEC 62586-1:2013; EN 62586-1:2014)  
Power quality measurement in power supply systems – Part 1: Power Quality Instruments (PQI) (IEC 62586-1:2013; EN 62586-1:2014)  
- zamijenjena s: HRN EN 62586-1:2017

## **HZN/TO E88, Vjetroagregati**

HRN EN 61400-12-1:2008 en  
Vjetroagregati – Dio 12-1: Mjerenje značajka snage vjetroagregata koji proizvode električnu energiju (IEC 61400-12-1:2005; EN 61400-12-1:2006)  
Wind turbines – Part 12-1: Power performance measurements of electricity producing wind turbines (IEC 61400-12-1:2005; EN 61400-12-1:2006)  
- zamijenjena s: HRN EN 61400-12-1:2017

HRN EN 61400-25-1:2008 en  
Vjetroagregati – Dio 25-1: Komunikacije za nadzor i upravljanje vjetroelektranama – Opći opis načela i modela (IEC 61400-25-1:2006; EN 61400-25-1:2007)  
Wind turbines – Part 25-1: Communications for monitoring and control of wind power plants – Overall description of principles and models (IEC 61400-25-1:2006; EN 61400-25-1:2007)  
- zamijenjena s: HRN EN 61400-25-1:2018

HRN EN 61400-25-2:2008 en  
Vjetroagregati – Dio 25-2: Komunikacije za nadzor i upravljanje vjetroelektranama – Informacijski modeli (IEC 61400-25-2:2006; EN 61400-25-2:2007)  
Wind turbines – Part 25-2: Communications for monitoring and control of wind power plants – Information models (IEC 61400-25-2:2006; EN 61400-25-2:2007)  
- zamijenjena s: HRN EN 61400-25-2:2015

HRN EN 61400-25-3:2008 en  
Vjetroagregati – Dio 25-3: Komunikacije za nadzor i upravljanje vjetroelektranama – Model razmjene informacija (IEC 61400-25-3:2006; EN 61400-25-3:2007)  
Wind turbines – Part 25-3: Communications for monitoring and control of wind power plants – Information exchange models (IEC 61400-25-3:2006; EN 61400-25-3:2007)  
- zamijenjena s: HRN EN 61400-25-3:2015

HRN EN 61400-25-4:2008 en  
Vjetroagregati – Dio 25-4: Komunikacije za nadzor i upravljanje vjetroelektranama – Preslikavanje komunikacijskog profila (IEC 61400-25-4:2008; EN 61400-25-4:2008)  
Wind turbines – Part 25-4: Communications for monitoring and control of wind power plants – Mapping to communication profile (IEC 61400-25-4:2008; EN 61400-25-4:2008)  
- zamijenjena s: HRN EN 61400-25-4:2017

HRN EN 61400-25-5:2008 en  
Vjetroagregati – Dio 25-5: Komunikacije za nadzor i upravljanje vjetroelektranama – Ispitivanje usklađenosti (IEC 61400-25-5:2006; EN 61400-25-5:2007)  
Wind turbines – Part 25-5: Communications for monitoring and control of wind power plants – Conformance testing (IEC 61400-25-5:2006; EN 61400-25-5:2007)  
- zamijenjena s: HRN EN 61400-25-5:2018

HRN EN 61400-25-6:2014 en  
Wind turbines – Part 25-6: Communications for monitoring and control of wind power plants – Logical node classes and data classes for condition monitoring (IEC 61400-25-6:2010; EN 61400-25-6:2011)  
- zamijenjena s: HRN EN 61400-25-6:2017

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

HRN HD 369.18 S1:2008 en  
Audiovisual, video and television equipment and systems – Part 18: Connectors for automatic slide projectors with built-in triacs for audiovisual application (IEC 60574-18:1987; HD 369.18 S1:1989)  
- bez zamjene

HRN HD 549 S1:2008 en  
Konferencijski sustavi – Električni i audio zahtjevi (IEC 60914:1988; HD 549 S1:1989)  
Conference systems – Electrical and audio requirements (IEC 60914:1988; HD 549 S1:1989)  
- bez zamjene

HRN EN 60268-4:2015 en  
Oprema audiosustava – 4. dio: Mikrofoni (IEC 60268-4:2014; EN 60268-4:2014)  
Sound system equipment – Part 4: Microphones (IEC 60268-4:2014; EN 60268-4:2014)  
- zamijenjena s: HRN EN IEC 60268-4:2018

HRN EN 60574-21:2008 en  
Audiovisual, video and television equipment and systems – Part 21: Video tape leader and trailer for education and training applications (IEC 60574-21:1992; EN 60574-21:1993)  
- bez zamjene

HRN EN 60933-3:2008 en  
Audio, video and audiovisual systems – Interconnections and matching values – Part 3: Interface for the interconnection of ENG cameras and portable VTRs using non-composite signals, for 625 line/50 field systems (IEC 60933-3:1992; EN 60933-3:1992)  
- bez zamjene

HRN EN 61030:2008 en  
Audio, video and audiovisual systems – Domestic Digital Bus (D2B) (IEC 61030:1991+am1:1993; EN 61030:1993)  
- bez zamjene

HRN EN 62394:2014 en  
Dijagnostičko sučelje za servisiranje korisničke elektroničke opreme i mreža – Uporaba ECHONET-a (IEC 62394:2013; EN 62394:2014)  
Service diagnostic interface for consumer electronics products and networks – Implementation for ECHONET (IEC 62394:2013; EN 62394:2014)  
- bez zamjene

HRN EN 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 62680-1-3:2017; EN 62680-1-3:2017)  
Universal serial bus interfaces for data and power – Part 1-3: Common components – USB Type-CTM Cable and Connector Specification (IEC 62680-1-3:2017; EN 62680-1-3:2017)  
- zamijenjena s: HRN EN IEC 62680-1-3:2018

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

HRI CLC/TR 50600-99-1:2020 en  
Informacijska tehnologija – Sredstva i infrastrukture podatkovnih centara – Dio 99-1: Preporučene prakse upravljanja energijom (CLC/TR 50600-99-1:2020)  
Information technology – Data centre facilities and infrastructures – Part 99-1: Recommended practices for energy management (CLC/TR 50600-99-1:2020)  
- zamijenjena s: HRI CLC/TR 50600-99-1:2021

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

HRN EN ISO 23999:2018 en  
Elastične podne obloge – Određivanje dimenzijske stabilnosti i valovitosti nakon izlaganja toplini (ISO 23999:2018; EN ISO 23999:2018)  
Resilient floor coverings – Determination of dimensional stability and curling after exposure to heat (ISO 23999:2018; EN ISO 23999:2018)  
- zamijenjena s: HRN EN ISO 23999:2021

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

HRN EN ISO 4787:2012 en  
Laboratorijsko stakleno posuđe – Volumetrijski instrumenti – Metode za ispitivanje kapaciteta i upotrebu (ISO 4787:2010, ispravljena verzija 2010-06-15; EN ISO 4787:2011)  
Laboratory glassware – Volumetric instruments – Methods for testing of capacity and for use (ISO 4787:2010, Corrected version 2010-06-15; EN ISO 4787:2011)  
- zamijenjena s: HRN EN ISO 4787:2021

HRN EN ISO/ASTM 52900:2017 en  
Proizvodnja aditiva – Opća načela – Nazivlje (ISO/ASTM 52900:2015; EN ISO/ASTM 52900:2017)  
Additive manufacturing – General principles – Terminology (ISO/ASTM 52900:2015; EN ISO/ASTM 52900:2017)  
- zamijenjena s: HRN EN ISO/ASTM 52900:2021

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

HRN EN ISO 5832-3:2016 en  
Kirurški implantati – Metalni materijali – 3. dio: Kovana legura titana koja sadrži 6% aluminija i 4% vanadija (ISO 5832-3:2016; EN ISO 5832-3:2016)  
Implants for surgery – Metallic materials – Part 3: Wrought titanium 6-aluminium 4-vanadium alloy (ISO 5832-3:2016; EN ISO 5832-3:2016)  
- zamijenjena s: HRN EN ISO 5832-3:2021

HRN EN ISO 7711-1:2008 en  
Stomatološki rotirajući instrumenti – Dijamantni instrumenti – 1. dio: Dimenzije, zahtjevi, označavanje i pakiranje (ISO 7711-1:1997; EN ISO 7711-1:1998)  
Dental rotary instruments – Diamond instruments – Part 1: Dimensions, requirements, marking and packaging (ISO 7711-1:1997; EN ISO 7711-1:1998)  
- zamijenjena s: HRN EN ISO 7711-1:2021

HRN EN ISO 7711-1:2008/A1:2011 en  
Stomatološki rotirajući instrumenti – Dijamantni instrumenti – 1. dio: Dimenzije, zahtjevi, označavanje i pakiranje – Amandman 1 (ISO 7711-1:1997/Amd 1:2009; EN ISO 7711-1:1998/A1:2009)  
Dental rotary instruments – Diamond instruments – Part 1: Dimensions, requirements, marking and packaging – Amendment 1 (ISO 7711-1:1997/Amd 1:2009; EN ISO 7711-1:1998/A1:2009)  
- zamijenjena s: HRN EN ISO 7711-1:2021

HRN EN ISO 7711-3:2008 en  
Stomatologija – Rotirajući dijamantni instrumenti – 3. dio: Veličine zrna, oznake i obilježavanje bojom (ISO 7711-3:2004; EN ISO 7711-3:2004)  
Dentistry – Diamond rotary instruments – Part 3: Grit sizes, designation and colour code (ISO 7711-3:2004; EN ISO 7711-3:2004)  
- zamijenjena s: HRN EN ISO 7711-1:2021

HRN EN ISO 8282:2008 en  
Stomatološka oprema – Uređaji za miješanje i doziranje žive i slitina (ISO 8282:1994; EN ISO 8282:1997)  
Dental equipment – Mercury and alloy mixers and dispensers (ISO 8282:1994; EN ISO 8282:1997)  
- bez zamjene

HRN EN ISO 9680:2015 en  
Stomatologija – Operacijska rasvjeta (ISO 9680:2014; EN ISO 9680:2014)  
Dentistry – Operating lights (ISO 9680:2014; EN ISO 9680:2014)  
- zamijenjena s: HRN EN ISO 9680:2021

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

HRN HD 478.2.4 S1:2008 en  
Klasifikacija uvjeta okoliša – 2. dio: Radni uvjeti koji se pojavljuju u prirodi – Solarno zračenje i temperatura (IEC 60721-2-4:1987+am1:1988; HD 478.2.4 S1:1989)  
Classification of environmental conditions – Part 2: Environmental conditions appearing in nature – Solar radiation and temperature (IEC 60721-2-4:1987+am1:1988; HD 478.2.4 S1:1989)  
- zamijenjena s: HRN EN IEC 60721-2-4:2020

HRN HD 478.2.7 S1:2008 en  
Klasifikacija uvjeta okoliša – 2. dio: Radni uvjeti koji se pojavljuju u prirodi – Biljni i životinjski svijet (IEC 60721-2-7:1987; HD 478.2.7 S1:1990)  
Classification of environmental conditions – Part 2: Environmental conditions appearing in nature – Fauna and flora (IEC 60721-2-7:1987; HD 478.2.7 S1:1990)  
- zamijenjena s: HRN EN IEC 60721-2-7:2018

HRN EN 50436-1:2009 en  
Blokada u slučaju alkoholiziranosti – Metode ispitivanja i izvedbeni zahtjevi – 1. dio: Instrumenti za programe kontrole pristupnika pri vožnji pod utjecajem alkohola (EN 50436-1:2005+AC:2009)  
Alcohol interlocks – Test methods and performance requirements – Part 1: Instruments for drink-driving-offender programs (EN 50436-1:2005+AC:2009)  
- zamijenjena s: HRN EN 50436-1:2014

HRS CLC/TS 50574-2:2014 en  
Zahtjevi s obzirom na prikupljanje, logistiku i postupanje za kućanske aparate na kraju životnog ciklusa koji sadrže hlapljive hlorofluorouglikove ili hlapljive ugljikovodike – 2. dio: Specifikacija za uklanjanje onečišćenja (CLC/TS 50574-2:2014)  
Collection, logistics & treatment requirements for end-of-life household appliances containing volatile fluorocarbons or volatile hydrocarbons – Part 2: Specification for de-pollution (CLC/TS 50574-2:2014)  
- bez zamjene

HRN EN 60068-2-5:2013 en  
Ispitivanje utjecaja okoliša – Dio 2-5: Ispitivanja – Ispitivanje Sa: Simulirano solarno zračenje na razini tla i uputa za ispitivanje solarnog zračenja (IEC 60068-2-5:2010+Corr.1:2010; EN 60068-2-5:2011)  
Environmental testing – Part 2-5: Tests – Test Sa: Simulated solar radiation at ground level and guidance for solar radiation testing (IEC 60068-2-5:2010+Corr.1:2010; EN 60068-2-5:2011)  
- zamijenjena s: HRN EN IEC 60068-2-5:2018

HRN EN 60068-2-52:2008 en  
Ispitivanje utjecaja okoliša – 2. dio: Ispitivanja – Kb ispitivanje: Slana magla, ciklički (natrijev klorid) (IEC 60068-2-52:1996; EN 60068-2-52:1996)  
Environmental testing – Part 2: Tests – Test Kb: Salt mist, cyclic (sodium chloride solution) (IEC 60068-2-52:1996; EN 60068-2-52:1996)  
- zamijenjena s: HRN EN 60068-2-52:2018

HRN EN 60068-3-5:2008 en  
Ispitivanje utjecaja okoliša – Dio 3-5: Popratna dokumentacija i upute – Potvrda o izvedbi temperaturnih komora (IEC 60068-3-5:2001; EN 60068-3-5:2002)  
Environmental testing – Part 3-5: Supporting documentation and guidance – Confirmation of the performance of temperature chambers (IEC 60068-3-5:2001; EN 60068-3-5:2002)  
- zamijenjena s: HRN EN IEC 60068-3-5:2018

HRN EN 60068-3-6:2008 en  
Ispitivanje utjecaja okoliša – Dio 3-6: Popratna dokumentacija i upute – Potvrda o izvedbi temperatura/vlažnost komora (IEC 60068-3-6:2001; EN 60068-3-6:2002)  
Environmental testing – Part 3-6: Supporting documentation and guidance – Confirmation of the performance of temperature/humidity chambers (IEC 60068-3-6:2001; EN 60068-3-6:2002)  
- zamijenjena s: HRN EN IEC 60068-3-6:2018

HRN EN 60071-2:2003 en  
Usklađivanje izolacije – 2. dio: Upute za primjenu (IEC 71-2:1996; EN 60071-2:1997)  
Insulation co-ordination – Part 2: Application guide (IEC 71-2:1996; EN 60071-2:1997)  
- zamijenjena s: HRN EN IEC 60071-2:2018

HRN EN 60375:2008 en  
Konvencije o električnim i magnetskim krugovima (IEC 60375:2003; EN 60375:2003)  
Conventions concerning electric and magnetic circuits (IEC 60375:2003; EN 60375:2003)  
- zamijenjena s: HRN EN IEC 60375:2019

HRN EN 60404-6:2008 en  
Magnetski materijali – 6. dio: Mjerne metode magnetskih svojstava magnetski mekih metalnih i praškastih materijala na frekvencijama u rasponu od 20 Hz do 200 kHz uporabom prstenastih uzoraka (IEC 60404-6:2003; EN 60404-6:2003)  
Magnetic materials – Part 6: Methods of measurement of the magnetic properties of magnetically soft metallic and powder materials at frequencies in the range 20 Hz to 200 kHz by the use of ring specimens (IEC 60404-6:2003; EN 60404-6:2003)  
- zamijenjena s: HRN EN IEC 60404-6:2018

HRN EN 60404-13:2008 en  
Magnetski materijali – 13. dio: Mjerne metode za gustoću, otpor i faktor električnoga čeličnog lima i trake (IEC 60404-13:1995; EN 60404-13:2007)  
Magnetic materials – Part 13: Methods of measurement of density, resistivity and stacking factor of electrical steel sheet and strip (IEC 60404-13:1995; EN 60404-13:2007)  
- zamijenjena s: HRN EN IEC 60404-13:2018

HRN EN 60695-6-2:2013 en  
Ispitivanje opasnosti od požara – Dio 6-2: Dimno zamračenje – Sažetak i značaj metode ispitivanja (IEC 60695-6-2:2011; EN 60695-6-2:2011)  
Fire hazard testing – Part 6-2: Smoke obscuration – Summary and relevance of test methods (IEC 60695-6-2:2011; EN 60695-6-2:2011)  
- zamijenjena s: HRN EN IEC 60695-6-2:2018

HRN EN 60721-3-1:2008 en  
Razredba uvjeta okoliša – 3. dio: Razredba skupina utjecaja okoliša i njihove strogosti – Skladištenje (IEC 60721-3-1:1997; EN 60721-3-1:1997)  
Classification of environmental conditions – Part 3: Classification of groups of environmental parameters and their severities – Section 1: Storage (IEC 60721-3-1:1997; EN 60721-3-1:1997)  
- zamijenjena s: HRN EN IEC 60721-3-1:2018

HRN EN 60721-3-2:2008 en  
Razredba uvjeta okoliša – 3. dio: Razredba skupina utjecaja okoliša i njihove strogosti – Prijevoz (IEC 60721-3-2:1997; EN 60721-3-2:1997)  
Classification of environmental conditions – Part 3: Classification of groups of environmental parameters and their severities – Section 2: Transportation (IEC 60721-3-2:1997; EN 60721-3-2:1997)  
- zamijenjena s: HRN EN IEC 60721-3-2:2018

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

HRI CLC/TR 50510:2013 en  
Fibre optic access to end-user – A guideline to building of FTTX fibre optic network (CLC/TR 50510:2012)  
- zamijenjena s: HRI CLC/TR 50510:2021



HRN EN 60424-3:2016 en  
Ferrite cores – Guideline on the limits of surface irregularities – Part 3: ETD-cores, EER-cores, EC-cores and E-cores (IEC 60424-3:2015; EN 60424-3:2016)  
- zamijenjena s: HRN EN IEC 63093-6:2018, HRN EN IEC 63093-7:2018, HRN EN IEC 63093-8:2018, HRN EN IEC 63093-11:2018

HRN EN 60512-1:2008 en  
Connectors for electronic equipment – Tests and measurements – Part 1: General (IEC 60512-1:2001; EN 60512-1:2001)  
- zamijenjena s: HRN EN IEC 60512-1:2018

HRN EN 60793-1-49:2009 en  
Optical fibres – Part 1-49: Measurement methods and test procedures – Differential mode delay (IEC 60793-1-49:2006; EN 60793-1-49:2006)  
- zamijenjena s: HRN EN IEC 60793-1-49:2018

HRN EN 60794-4:2008 en  
Optical fibre cables – Part 4: Sectional specification – Aerial optical cables along electrical power lines (IEC 60794-4:2003; EN 60794-4:2003)  
- zamijenjena s: HRN EN IEC 60794-4:2018

HRN EN 60794-4-20:2014 en  
Optical fibre cables – Part 4-20: Aerial optical cables along electrical power lines – Family specification for ADSS (All Dielectric Self Supported) optical cables (IEC 60794-4-20:2012; EN 60794-4-20:2012)  
- zamijenjena s: HRN EN IEC 60794-4-20:2018

HRN EN IEC 61010-2-120:2018 en  
Sigurnosni zahtjevi za električnu opremu za mjerenje, upravljanje i za korištenje u laboratoriju – Dio 2-120: Posebni zahtjevi sigurnosti za strojne dijelove opreme (IEC 61010-2-120:2016; EN IEC 61010-2-120:2018)  
Safety requirements for electrical equipment for measurement, control, and laboratory use – Part 2-120: Particular safety requirements for machinery aspects of equipment (IEC 61010-2-120:2016; EN IEC 61010-2-120:2018)  
- bez zamjene

HRN EN 61051-1:2009 en  
Varistors for use in electronic equipment – Part 1: Generic specification (IEC 61051-1:2007; EN 61051-1:2008)  
- zamijenjena s: HRN EN IEC 61051-1:2019

HRN EN 61191-1:2014 en  
Printed board assemblies – Part 1: Generic specification – Requirements for soldered electrical and electronic assemblies using surface mount and related assembly technologies (IEC 61191-1:2013; EN 61191-1:2013)  
- zamijenjena s: HRN EN IEC 61191-1:2018

HRN EN 61757-1:2014 en  
Fibre optic sensors – Part 1: Generic specification (IEC 61757-1:2012; EN 61757-1:2012)  
- zamijenjena s: HRN EN IEC 61757:2018

HRN EN 62132-3:2008 en  
Integrated circuits – Measurement of electromagnetic immunity, 150 kHz to 1 GHz – Part 3: Bulk current injection (BCI) method (IEC 62132-3:2007; EN 62132-3:2007)  
- bez zamjene

HRN EN 62317-5:2016 en  
Ferrite cores – Dimensions – Part 5: EP-cores and associated parts for use in inductors and transformers (IEC 62317-5:2015; EN 62317-5:2015)  
- zamijenjena s: HRN EN IEC 63093-5:2018

HRN EN 62317-6:2016 en  
Ferrite cores – Dimensions – Part 6: ETD-cores for use in power supplies (IEC 62317-6:2015; EN 62317-6:2016)  
- zamijenjena s: HRN EN IEC 63093-6:2018

HRN EN 62317-7:2008 en  
Ferrite cores – Dimensions – Part 7: EER-cores (IEC 62317-7:2005; EN 62317-7:2005)  
- zamijenjena s: HRN EN IEC 63093-7:2018

HRN EN 62317-8:2008 en  
Ferrite cores – Dimensions – Part 8: E-cores (IEC 62317-8:2006; EN 62317-8:2006)  
- zamijenjena s: HRN EN IEC 63093-8:2018

HRN EN 62317-11:2016 en  
Ferrite cores – Dimensions – Part 11: EC-cores for use in power supply applications (IEC 62317-11:2015; EN 62317-11:2016)  
- zamijenjena s: HRN EN IEC 63093-11:2018

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

HRN EN 50156-1:2008 en  
Električna oprema za peći i pomoćna oprema – 1. dio: Zahtjevi za primjenu konstrukcije i instaliranje (EN 50156-1:2004)  
Electrical equipment for furnaces and ancillary equipment – Part 1: Requirements for application design and installation (EN 50156-1:2004)  
- zamijenjena s: HRN EN 50156-1:2015

HRN EN 50205:2008 en  
Releji s prinudno vođenim (mehanički povezanim) kontaktima (EN 50205:2002)  
Relays with forcibly guided (mechanically linked) contacts (EN 50205:2002)  
- zamijenjena s: HRN EN 61810-3:2015

HRN EN 60704-2-3:2019/A11:2019 en  
Kućanski i slični električni aparati – Ispitne odredbe za određivanje uzdušne buke – Dio 2-3: Posebni zahtjevi za perilice posuđa (EN 60704-2-3:2019/A11:2019)  
Household and similar electrical appliances – Test code for the determination of airborne acoustical noise – Part 2-3: Particular requirements for dishwashers (EN 60704-2-3:2019/A11:2019)  
- bez zamjene

## 1.6 Ispravci hrvatskih norma

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

### HZN/TO 8, *Brodogradnja*

- **umjesto**

HRN EN ISO 8849:2021  
Mala plovila – Elektromotorne kaljužne **crpke** (ISO 8849:2020; EN ISO 8849:2021)  
Small craft – Electrically operated bilge pumps (ISO 8849:2020; EN ISO 8849:2021)

- **treba biti**

HRN EN ISO 8849:2021  
Mala plovila – Elektromotorne kaljužne **pumpe** (ISO 8849:2020; EN ISO 8849:2021)  
Small craft – Electrically operated bilge pumps (ISO 8849:2020; EN ISO 8849:2021)

- **umjesto**

HRN ISO 15372:2003  
Brodovi i pomorska tehnologija – **Napuhujuće brodice za prikupljanje** – Impregnirana **platna** za napuhujuće komore (ISO 15372:2000)  
Ships and marine technology – Inflatable rescue boats – Coated fabrics for inflatable chambers (ISO 15372:2000)

- **treba biti**

HRN ISO 15372:2003  
Brodovi i pomorska tehnologija – **Brodice za spašavanje na napuhavanje** – Impregnirana **tkanina** za napuhujuće komore (ISO 15372:2000)  
Ships and marine technology – Inflatable rescue boats – Coated fabrics for inflatable chambers (ISO 15372:2000)



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

- **umjesto**

HRN EN 14930:2010

Poljoprivredna i šumarska mehanizacija i oprema za vrtove i parkove – **Određivanje nehotičnog pristupa vrelim površinama – Dopunski element** (EN 14930:2007+A1:2009)  
Agricultural and forestry machinery and gardening equipment – Pedestrian controlled and hand-held machines – Determination of accessibility of hot surfaces (EN 14930:2007+A1:2009)

- **treba biti**

HRN EN 14930:2010

Poljoprivredna i šumarska mehanizacija i oprema za vrtove i parkove – **Ručno upravljani strojevi – Određivanje nehotičnog pristupa vrućim površinama** (EN 14930:2007+A1:2009)  
Agricultural and forestry machinery and gardening equipment – Pedestrian controlled and hand-held machines – Determination of accessibility of hot surfaces (EN 14930:2007+A1:2009)

## HZN/TO 147, Kvaliteta vode

- **umjesto**

HRN EN ISO 7393-2:2018

Kvaliteta vode – Određivanje slobodnoga i ukupnoga klora – 2. dio: Kolorimetrijska metoda s **N,N-dietil-**1,4-fenilendiaminom u svrhu rutinske kontrole (ISO 7393-2:2017; EN ISO 7393-2:2018)  
Water quality – Determination of free chlorine and total chlorine – Part 2: Colorimetric method using **N,N-diethyl-**1,4-phenylenediamine, for routine control purposes (ISO 7393-2:2017; EN ISO 7393-2:2018)

- **treba biti**

HRN EN ISO 7393-2:2018

Kvaliteta vode – Određivanje slobodnoga i ukupnoga klora – 2. dio: Kolorimetrijska metoda s **N,N-dialkil-**1,4-fenilendiaminom u svrhu rutinske kontrole (ISO 7393-2:2017; EN ISO 7393-2:2018)  
Water quality – Determination of free chlorine and total chlorine – Part 2: Colorimetric method using **N,N-dialkyl-**1,4-phenylenediamine, for routine control purposes (ISO 7393-2:2017; EN ISO 7393-2:2018)

- **umjesto**

HRN EN ISO 14403-1:2012

Kvaliteta vode – Određivanje ukupnih cijanida i slobodnih cijanida protočnom analizom (FIA i CFA) – 1. dio: Metoda protočne analize injektiranjem (FIA) (ISO 14403-1:2012; EN ISO 14403-1:2012)  
Water quality – Determination of total cyanide and free cyanide using flow analysis (FIA and CFA) – Part 1: Method with flow injection analysis (FIA) (ISO 14403-1:2012; EN ISO 14403-1:2012)

- **treba biti**

HRN EN ISO 14403-1:2012

Kvaliteta vode – Određivanje ukupnih cijanida i slobodnih cijanida protočnom analizom (FIA i CFA) – 1. dio: Metoda protočne analize injektiranjem (FIA) (ISO 14403-1:2012; EN ISO 14403-1:2012)  
Water quality – Determination of total cyanide and free cyanide using flow analysis (FIA and CFA) – Part 1: Method using flow injection analysis (FIA) (ISO 14403-1:2012; EN ISO 14403-1:2012)

- **umjesto**

HRN ISO 6059:1998

**Kakvoća** vode – Određivanje **sume** kalcija i magnezija – Volumetrijska metoda s EDTA (ISO 6059:1984)  
Water quality – Determination of the sum of calcium and magnesium – EDTA titrimetric method (ISO 6059:1984)

- **treba biti**

HRN ISO 6059:1998

**Kvaliteta** vode – Određivanje **zbroja** kalcija i magnezija – Volumetrijska metoda s EDTA (ISO 6059:1984)  
Water quality – Determination of the sum of calcium and magnesium – EDTA titrimetric method (ISO 6059:1984)

- **umjesto**

HRN ISO 10566:1998

**Kakvoća** vode – Određivanje aluminija – Spektrometrijska metoda s **pirokatekol violetom** (ISO 10566:1994)  
Water quality – Determination of aluminium – Spectrometric method using pyrocatechol violet (ISO 10566:1994)

- **treba biti**

HRN ISO 10566:1998

**Kvaliteta** vode – Određivanje aluminija – Spektrometrijska metoda s **pirokatehol ljubičastom** (ISO 10566:1994)  
Water quality – Determination of aluminium – Spectrometric method using pyrocatechol violet (ISO 10566:1994)

## HZN/TO 228, Usluge u turizmu

- **umjesto**

HRN ISO 13687-1:2019

Turističke i srodne usluge – Luke **u nautičkom turizmu** – 1. dio: Minimalni zahtjevi za luke osnovne razine usluga (ISO 13687-1:2017)  
Tourism and related services – Yacht harbours – Part 1: Minimum requirements for basic service level harbours (ISO 13687-1:2017)

- **treba biti**

HRN ISO 13687-1:2019

Turističke i srodne usluge – Luke **nautičkog turizma** – 1. dio: Minimalni zahtjevi za luke osnovne razine usluga (ISO 13687-1:2017)  
Tourism and related services – Yacht harbours – Part 1: Minimum requirements for basic service level harbours (ISO 13687-1:2017)

- **umjesto**

HRN ISO 13687-2:2019

Turističke i srodne usluge – Luke **u nautičkom turizmu** – 2. dio: Minimalni zahtjevi za luke srednje razine usluga (ISO 13687-2:2017)  
Tourism and related services – Yacht harbours – Part 2: Minimum requirements for intermediate service level harbours (ISO 13687-2:2017)

- **treba biti**

HRN ISO 13687-2:2019

Turističke i srodne usluge – Luke **nautičkog turizma** – 2. dio: Minimalni zahtjevi za luke srednje razine usluga (ISO 13687-2:2017)  
Tourism and related services – Yacht harbours – Part 2: Minimum requirements for intermediate service level harbours (ISO 13687-2:2017)

- **umjesto**

HRN ISO 13687-3:2019

Turističke i srodne usluge – Luke **u nautičkom turizmu** – 3. dio: Minimalni zahtjevi za luke visoke razine usluga (ISO 13687-3:2017)  
Tourism and related services – Yacht harbours – Part 3: Minimum requirements for high service level harbours (ISO 13687-3:2017)

- **treba biti**

HRN ISO 13687-3:2019

Turističke i srodne usluge – Luke **nautičkog turizma** – 3. dio: Minimalni zahtjevi za luke visoke razine usluga (ISO 13687-3:2017)  
Tourism and related services – Yacht harbours – Part 3: Minimum requirements for high service level harbours (ISO 13687-3:2017)

## HZN/TO 513, Mjerne jedinice i mjerila

- **umjesto**

HRN EN ISO 80000-2:2019

Veličine i jedinice – 2. dio: Matematika (ISO 80000-2:2019; EN ISO 80000-2:2019)  
Quantities and units – Part 2: Mathematics (ISO 80000-2:2019; EN ISO 80000-2:2019)

- **treba biti**

HRN EN ISO 80000-2:2019

Veličine i jedinice – 2. dio: Matematika (ISO 80000-2:2019, **Ispravljena verzija 2021-11**; EN ISO 80000-2:2019)  
Quantities and units – Part 2: Mathematics (ISO 80000-2:2019, **Corrected version 2021-11**; EN ISO 80000-2:2019)

- **umjesto**  
HRN EN ISO 80000-12:2019  
Veličine i jedinice – 12. dio: Fizika kondenzirane tvari (ISO 80000-12:2019; EN ISO 80000-12:2019)  
Quantities and units – Part 12: Condensed matter physics (ISO 80000-12:2019; EN ISO 80000-12:2019)
- **treba biti**  
HRN EN ISO 80000-12:2019  
Veličine i jedinice – 12. dio: Fizika kondenzirane tvari (ISO 80000-12:2019, **Ispravljena verzija 2021-11**; EN ISO 80000-12:2019)  
Quantities and units – Part 12: Condensed matter physics (ISO 80000-12:2019, **Corrected version 2021-11**; EN ISO 80000-12:2019)

## TO 554, Obrada otpadnih voda

- **umjesto**  
HRN EN 1433:2005  
Ovodni kanali za **prometna i pješačka područja** – Razredba, projektiranje i ispitni zahtjevi, označavanje i **ocjena uporabivosti** (EN 1433:2002+AC:2004)  
Drainage channels for vehicular and pedestrian areas – Classification, design and testing requirements, marking and evaluation of conformity (EN 1433:2002+AC:2004)
- **treba biti**  
HRN EN 1433:2005  
Ovodni kanali za **prometne i pješačke površine** – Razredba, projektiranje i ispitni zahtjevi, označavanje i  **vrednovanje sukladnosti** (EN 1433:2002+AC:2004)  
Drainage channels for vehicular and pedestrian areas – Classification, design and testing requirements, marking and evaluation of conformity (EN 1433:2002+AC:2004)
- **umjesto**  
HRN EN 1433:2005/A1:2008  
Ovodni kanali za **prometna i pješačka područja** – Razredba, projektiranje i ispitni zahtjevi, označavanje i vrednovanje **upotrebljivosti** (EN 1433:2002/A1:2005)  
Drainage channels for vehicular and pedestrian areas – Classification, design and testing requirements, marking and evaluation of conformity (EN 1433:2002/A1:2005)
- **treba biti**  
HRN EN 1433:2005/A1:2008  
Ovodni kanali za **prometne i pješačke površine** – Razredba, projektiranje i ispitni zahtjevi, označavanje i vrednovanje **sukladnosti** (EN 1433:2002/A1:2005)  
Drainage channels for vehicular and pedestrian areas – Classification, design and testing requirements, marking and evaluation of conformity (EN 1433:2002/A1:2005)

## HZN/TO 563, Sigurnost strojeva

- **umjesto**  
HRN EN ISO 13856-2:2013  
Sigurnost strojeva – Zaštitni uređaji osjetljivi na tlak – 1. dio: Opća načela za projektiranje i ispitivanje bridova osjetljivih na tlak i šipki osjetljivih na tlak (ISO 13856-2:2013; EN ISO 13856-2:2013)  
Safety of machinery – Pressure-sensitive protective devices – Part 2: General principles for design and testing of pressure-sensitive edges and pressure-sensitive bars (ISO 13856-2:2013; EN ISO 13856-2:2013)
- **treba biti**  
HRN EN ISO 13856-2:2013  
Sigurnost strojeva – Zaštitni uređaji osjetljivi na tlak – 2. dio: Opća načela za projektiranje i ispitivanje bridova osjetljivih na tlak i šipki osjetljivih na tlak (ISO 13856-2:2013; EN ISO 13856-2:2013)  
Safety of machinery – Pressure-sensitive protective devices – Part 2: General principles for design and testing of pressure-sensitive edges and pressure-sensitive bars (ISO 13856-2:2013; EN ISO 13856-2:2013)

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

- **umjesto**  
HRN EN 415-11:2021  
Sigurnost strojeva za pakiranje – 11. dio: Određivanje učinkovitosti i **raspoloživosti** (EN 415-11:2021)  
Safety of packaging machines – Part 11: Determination of efficiency and availability (EN 415-11:2021)
- **treba biti**  
HRN EN 415-11:2021  
Sigurnost strojeva za pakiranje – 11. dio: Određivanje učinkovitosti i **raspoloživosti** (EN 415-11:2021)  
Safety of packaging machines – Part 11: Determination of efficiency and availability (EN 415-11:2021)

- **umjesto**  
HRN EN 9208:2021  
Zrakoplovstvo – Upravljanje programom – Iskazivanje potrebe – Upute i format za (**potrebu**) tehničku specifikaciju (EN 9208:2021)  
Aerospace series – Programme management – Expression of need – Guidance on and format for (Need) Technical Specification (EN 9208:2021)
- **treba biti**  
HRN EN 9208:2021  
Zrakoplovstvo – Upravljanje programom – Iskazivanje potrebe – Upute i format za tehničku specifikaciju (**potrebe**) (EN 9208:2021)  
Aerospace series – Programme management – Expression of need – Guidance on and format for (Need) Technical Specification (EN 9208:2021)

## 1.10 Prijevodi hrvatskih normativnih dokumenata

### TO 548, Konstrukcijski eurokodovi

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

HRN EN 1992-4:2019 hr-en pr-pp

Eurokod 2: Projektiranje betonskih konstrukcija – 4. dio: Projektiranje pričvršćivača za uporabu u betonu (EN 1992-4:2018)  
Eurocode 2: Design of concrete structures – Part 4: Design of fastenings for use in concrete (EN 1992-4:2018)

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

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

HRN EN 61557-14:2013 hr-en pr-pp  
Električna sigurnost u niskonaponskim distribucijskim sustavima do 1000 V izmjenične struje i 1500 V istosmjerne struje – Oprema za ispitivanje, mjerenje ili nadzor zaštite – 14. dio: Oprema za ispitivanje sigurnosti električne opreme strojeva (IEC 61557-14:2013; EN 61557-14:2013)  
Electrical safety in low voltage distribution systems up to 1000 V a.c. and 1500 V d.c. – Equipment for testing, measuring or monitoring of protective measures – Part 14: Equipment for testing the safety of electrical equipment of machinery (IEC 61557-14:2013; EN 61557-14:2013)

## 2 Rezultati međunarodne i europske normizacije

### Europska normizacija (CEN)

Oznaka norme	Naslov norme	ICS	Datum objave
EN 285+A1	Sterilization – Steam sterilizers – Large sterilizers	11.080.10	2021-10
EN 415-3	Safety of packaging machines – Part 3: Form, fill and seal machines; fill and seal machines	55.200	2021-10
EN 415-11	Safety of packaging machines – Part 11: Determination of efficiency and availability	55.200	2021-10
EN 508-1	Roofing and cladding products from metal sheet – Specification for self-supporting products of steel, aluminium or stainless steel sheet – Part 1: Steel	91.060.20	2021-10
EN 508-3	Roofing and cladding products from metal sheet – Specification for self-supporting products of steel, aluminium or stainless steel sheet – Part 3: Stainless steel	91.060.20	2021-10
EN 620	Continuous handling equipment and systems – Safety requirements for fixed belt conveyors for bulk materials	53.040.10	2021-10
EN 877	Cast iron pipe systems and their components for the evacuation of water from works – Characteristics and test methods	23.040.01	2021-10
EN 1439	LPG equipment and accessories – Procedure for checking transportable refillable LPG cylinders before, during and after filling	23.020.35	2021-10
EN 4613	Aerospace series – Spherical plain bearing in corrosion resisting steel with self-lubricating liner, narrow series – Dimensions and loads – Inch series	49.035	2021-10
EN 4614	Aerospace series – Spherical plain bearing in corrosion resisting steel with self-lubricating liner, wide series – Dimensions and loads – Inch series	49.035	2021-10
EN 9208	Aerospace series – Programme management – Expression of need – Guidance on and format for (Need) Technical Specification	49.020	2021-10
EN 12012-4+A1	Plastics and rubber machines – Size reduction machines – Part 4: Safety requirements for agglomerators	83.200	2021-10
EN 12301/AC	Plastics and rubber machines – Calenders – Safety requirements	83.200	2021-10
EN 12405-1	Gas meters – Conversion devices – Part 1: Volume conversion	91.140.40	2021-10
EN 12516-2+A1	Industrial valves – Shell design strength – Part 2: Calculation method for steel valve shells	23.060.01	2021-10
EN 13138-1	Buoyant aids for swimming instruction – Part 1: Safety requirements and test methods for buoyant aids to be worn	13.340.70; 97.220.40	2021-10
EN 13138-2	Buoyant aids for swimming instruction – Part 2: Safety requirements and test methods for buoyant aids to be held	13.340.70; 97.220.40	2021-10
EN 13138-3	Buoyant aids for swimming instruction – Part 3: Safety requirements and test methods for swim seats into which a user is positioned	13.340.70; 97.220.40	2021-10
EN 13477-2	Non-destructive testing – Acoustic emission testing – Equipment characterisation – Part 2: Verification of operating characteristics	19.100	2021-10
EN 13480-2/A8	Metallic industrial piping – Part 2: Materials	23.040.01	2021-10
EN 13480-5/A2	Metallic industrial piping – Part 5: Inspection and testing	23.040.01	2021-10
EN 13523-0	Coil coated metals – Test methods – Part 0: General introduction	25.220.60	2021-10
EN 13523-2	Coil coated metals – Test methods – Part 2: Gloss	25.220.60	2021-10



Oznaka norme	Naslov norme	ICS	Datum objave
EN 13523-3	Coil coated metals – Test methods – Part 3: Colour difference and metamerism – Instrumental comparison	25.220.60	2021-10
EN 13523-7	Coil coated metals – Test methods – Part 7: Resistance to cracking on bending (T-bend test)	25.220.60	2021-10
EN 15216	Environmental solid matrices – Determination of total dissolved solids (TDS) in water and eluates	13.030.20	2021-10
EN 15302	Railway applications – Wheel-rail contact geometry parameters – Definitions and methods for evaluation	17.040.20; 45.060.01	2021-10
EN 15421	Packaging – Flexible aluminium tubes – Determination of the adhesion of the internal and external protective lacquering	55.120	2021-10
EN 15882-5	Extended application of results from fire resistance tests for service installations – Part 5: Combined penetration seals	13.220.99	2021-10
EN 16002/AC	Flexible sheets for waterproofing – Determination of the resistance to wind load of mechanically fastened flexible sheets for roof waterproofing	91.100.50	2021-10
EN 16165	Determination of slip resistance of pedestrian surfaces – Methods of evaluation	17.040.20; 91.060.30; 93.080.10	2021-10
EN 16480	Pumps – Rotodynamic pumps – Minimum required efficiency of water pumps and determination of Minimum Efficiency Index (MEI)	23.080	2021-10
EN 16704-1+A1	Railway applications – Track – Safety protection on the track during work – Part 1: Railway risks and common principles for protection of fixed and mobile work sites	93.100	2021-10
EN 16704-3+A1	Railway applications – Track – Safety protection on the track during work – Part 3: Competences for personnel related to work on or near tracks	93.100	2021-10
EN 16952+A1	Agricultural machinery – Rough-terrain Work Platforms for Orchard's operations (WPO) – Safety	53.020.99; 65.060.99	2021-10
EN 16981	Photocatalysis – Glossary of terms	01.040.25; 25.220.01	2021-10
EN 17037/AC	Daylight in buildings	91.160.01	2021-10
EN 17038-1/AC	Pumps – Methods of qualification and verification of the Energy Efficiency Index for rotodynamic pump units – Part 1: General requirements and procedures for testing and calculation of Energy Efficiency Index (EEI)	23.080	2021-10
EN 17038-2/AC	Pumps – Methods of qualification and verification of the Energy Efficiency Index for rotodynamic pump units – Part 2: Testing and calculation of Energy Efficiency Index (EEI) of single pump units	23.080	2021-10
EN 17106-1	Road operation machinery – Safety – Part 1: General requirements	43.160; 93.080.99	2021-10
EN 17106-2	Road operation machinery – Safety – Part 2: Specific requirements for road surface cleaning machines	43.160; 93.080.99	2021-10
EN 17106-3-1	Road operation machinery – Safety – Part 3-1: Winter service machines – Requirements for snow clearing machines with rotating tools and snow ploughs	43.160; 93.080.99	2021-10
EN 17106-3-2	Road operation machinery – Safety – Part 3-2: Winter service machines – Specific requirements for spreading machines	43.160	2021-10
EN 17106-4	Road operation machinery – Safety – Part 4: Road service area maintenance machines – Requirements for grass and brush cutting machines	43.160; 93.080.99	2021-10
EN 17206/AC	Entertainment technology – Machinery for stages and other production areas – Safety requirements and inspections	97.200.10	2021-10

Oznaka norme	Naslov norme	ICS	Datum objave
EN 17255-3	Stationary source emissions – Data acquisition and handling systems – Part 3: Specification of requirements for the performance test of data acquisition and handling systems	13.040.40	2021-10
EN 17290	Non-destructive testing – Ultrasonic testing – Examination for loss of thickness due to erosion and/or corrosion using the TOFD technique	19.100	2021-10
EN 17517	Animal feeding stuffs: Methods of sampling and analysis – Determination of mineral oil saturated hydrocarbons (MOSH) and mineral oil aromatic hydrocarbons (MOAH) with on-line HPLC-GC-FID analysis	65.120	2021-10
CEN/TR 17696	Railway applications – Vehicle Maintenance – Guide for identification and management of Safety Critical Components for railway vehicles	45.060.01	2021-10
CEN/TR 17698	Ergonomics – Demands and availability of anthropometric and strength data of children in Europe	13.180	2021-10
CWA 17806	Design Circular Framework Setting – Composite recovery design solutions in the automotive industry	13.030.50; 43.020	2021-10
CWA 17807	Dismantling methods and protocols in a Circular Economy Framework – Composite recovery in the automotive industry	13.030.50; 43.020	2021-10
CWA 17815	Materials characterisation – Terminology, metadata and classification	07.120; 17.020	2021-10
EN ISO 1973	Textile fibres – Determination of linear density – Gravimetric method and vibroscope method (ISO 1973:2021)	59.060.01	2021-10
EN ISO 3691-6	Industrial trucks – Safety requirements and verification – Part 6: Burden and personnel carriers (ISO 3691-6:2021)	53.060	2021-10
EN ISO 3834-5	Quality requirements for fusion welding of metallic materials – Part 5: Documents with which it is necessary to conform to claim conformity to the quality requirements of ISO 3834-2, ISO 3834-3 or ISO 3834-4 (ISO 3834-5:2021)	25.160.01	2021-10
EN ISO 4674-2	Rubber- or plastics-coated fabrics – Determination of tear resistance – Part 2: Ballistic pendulum method (ISO 4674-2:2021)	59.080.40	2021-10
EN ISO 6370-1	Vitreous and porcelain enamels – Determination of the resistance to abrasion – Part 1: Abrasion testing apparatus (ISO 6370-1:1991)	25.220.50	2021-10
EN ISO 6370-2	Vitreous and porcelain enamels – Determination of the resistance to abrasion – Part 2: Loss in mass after sub-surface abrasion (ISO 6370-2:2020)	25.220.50	2021-10
EN ISO 6450	Rubber- or plastics-coated fabrics – Determination of resistance to liquids (ISO 6450:2021)	59.080.40	2021-10
EN ISO 8666/A11	Small craft – Principal data (ISO 8666:2020)	47.080	2021-10
EN ISO 10079-4	Medical suction equipment – Part 4: General requirements (ISO 10079-4:2021)	11.040.10	2021-10
EN ISO 11432	Building and civil engineering sealants – Determination of resistance to compression (ISO 11432:2021)	91.100.50	2021-10
EN ISO 11807-1	Integrated optics – Vocabulary – Part 1: Optical waveguide basic terms and symbols (ISO 11807-1:2021)	01.040.31; 31.260	2021-10
EN ISO 11807-2	Integrated optics – Vocabulary – Part 2: Terms used in classification (ISO 11807-2:2021)	01.040.31; 31.260	2021-10

Oznaka norme	Naslov norme	ICS	Datum objave
EN ISO 11855-2	Building environment design – Embedded radiant heating and cooling systems – Part 2: Determination of the design heating and cooling capacity (ISO 11855-2:2021)	91.040.01	2021-10
EN ISO 11916-3	Soil quality – Determination of selected explosives and related compounds – Part 3: Method using liquid chromatography-tandem mass spectrometry (LC-MS/MS) (ISO 11916-3:2021)	13.080.10	2021-10
EN ISO 14065	General principles and requirements for bodies validating and verifying environmental information (ISO 14065:2020)	13.020.40	2021-10
EN ISO 14881	Integrated optics – Interfaces – Parameters relevant to coupling properties (ISO 14881:2021)	31.260	2021-10
EN ISO 14922	Thermal spraying – Quality requirements for manufacturers of thermal sprayed coatings (ISO 14922:2021)	25.220.20	2021-10
EN ISO 15384/A1	Protective clothing for firefighters – Laboratory test methods and performance requirements for wildland firefighting clothing – Amendment 1 (ISO 15384:2018/Amd 1:2021)	13.340.10	2021-10
EN ISO 15614-12	Specification and qualification of welding procedures for metallic materials – Welding procedure test – Part 12: Spot, seam and projection welding (ISO 15614-12:2021)	25.160.10	2021-10
EN ISO 15874-3/A2	Plastics piping systems for hot and cold water installations – Polypropylene (PP) – Part 3: Fittings – Amendment 2 (ISO 15874-3:2013/Amd 2:2021)	23.040.45; 91.140.60	2021-10
EN ISO 15875-3/A2	Plastics piping systems for hot and cold water installations – Crosslinked polyethylene (PE-X) – Part 3: Fittings – Amendment 2 (ISO 15875-3:2003/Amd 2:2021)	23.040.45; 91.140.60	2021-10
EN ISO 15876-3/A2	Plastics piping systems for hot and cold water installations – Polybutene (PB) – Part 3: Fittings – Amendment 2 (ISO 15876-3:2017/Amd 2:2021)	23.040.45; 91.140.60	2021-10
EN ISO 15877-3/A2	Plastics piping systems for hot and cold water installations – Chlorinated poly(vinyl chloride) (PVC-C) – Part 3: Fittings – Amendment 2 (ISO 15877-3:2009/Amd 2:2021)	23.040.45; 91.140.60	2021-10
GEN ISO/TR 16178	Footwear – Critical substances potentially present in footwear and footwear components – Lists of critical chemical substances (ISO/TR 16178:2021)	61.060	2021-10
EN ISO 16256	Clinical laboratory testing and in vitro diagnostic test systems – Broth micro-dilution reference method for testing the in vitro activity of antimicrobial agents against yeast fungi involved in infectious diseases (ISO 16256:2021)	11.100.10	2021-10
EN ISO 16672	Ophthalmic implants – Ocular endotamponades (ISO 16672:2020)	11.040.70	2021-10
EN ISO 18496	Brazing – Fluxes for brazing – Classification and technical delivery conditions (ISO 18496:2020)	25.160.50	2021-10
EN ISO 20884/A1	Petroleum products – Determination of sulfur content of automotive fuels – Wavelength-dispersive X-ray fluorescence spectrometry – Amendment 1: Addition of the SSD detector to the Monochromatic excitation part of Table 1 (ISO 20884:2019/Amd 1:2021)	75.080; 75.160.30	2021-10
EN ISO 21003-3/A1	Multilayer piping systems for hot and cold water installations inside buildings – Part 3: Fittings – Amendment 1 (ISO 21003-3:2008/Amd 1:2021)	23.040.45; 91.140.60	2021-10
EN ISO 21058	Road vehicles – Dimethyl Ether (DME) refuelling connector (ISO 21058:2019)	43.060.40	2021-10



Oznaka norme	Naslov norme	ICS	Datum objave
EN ISO 21857	Petroleum, petrochemical and natural gas industries – Prevention of corrosion on pipeline systems influenced by stray currents (ISO 21857:2021)	75.200	2021-10
EN ISO 22042	Blast chiller and freezer cabinets for professional use – Classification, requirements and test conditions (ISO 22042:2021)	97.130.20	2021-10
EN ISO 22391-3/A2	Plastics piping systems for hot and cold water installations – Polyethylene of raised temperature resistance (PE-RT) – Part 3: Fittings – Amendment 2 (ISO 22391-3:2009/Amd 2:2021)	23.040.45; 91.140.60; 93.025	2021-10
EN ISO 22475-1	Geotechnical investigation and testing – Sampling methods and groundwater measurements – Part 1: Technical principles for the sampling of soil, rock and groundwater (ISO 22475-1:2021)	93.020	2021-10
CEN ISO/TS 22703	Health informatics – Requirements for medication safety alerts (ISO/TS 22703:2021)	35.240.80	2021-10
CEN ISO/TS 23406	Nuclear sector – Requirements for bodies providing audit and certification of quality management systems for organizations supplying products and services important to nuclear safety (ITNS) (ISO/TS 23406:2020)	03.120.20; 27.120.01	2021-10
EN ISO 23826	Gas cylinders – Ball valves – Specification and testing (ISO 23826:2021)	23.020.35	2021-10
EN ISO 27789	Health informatics – Audit trails for electronic health records (ISO 27789:2021)	35.240.80	2021-10
EN ISO 29461-1	Air intake filter systems for rotary machinery – Test methods – Part 1: Static filter elements (ISO 29461-1:2021)	29.160.99	2021-10
EN ISO 56005	Innovation management – Tools and methods for intellectual property management – Guidance (ISO 56005:2020)	03.100.01; 03.100.40; 03.140	2021-10
EN ISO 80601-2-90	Medical electrical equipment – Part 2-90: Particular requirements for basic safety and essential performance of respiratory high-flow therapy equipment (ISO 80601-2-90:2021)	11.040.10	2021-10

## Europska normizacija (CENELEC)

Oznaka norme	Naslov norme	ICS	Datum objave
CEN/CENELEC Guide 38	Guide for multifuel stations	43.060.40; 43.120; 75.200	2021-10
EN 16602-70-16	Space engineering – Adhesive bonding for spacecraft and launcher applications	49.025.50; 49.140	2021-10
EN 17463	Valuation of Energy Related Investments (VALERI)	03.100.01; 27.015	2021-10
CEN/CLC/TR 17602-70-23	Space product assurance – Materials, mechanical parts and processes obsolescence management handbook	49.140	2021-10
CEN/CLC/TR 17602-80-01	Space product assurance – Reuse of existing software	35.240.99; 49.140	2021-10
CEN/CLC/TR 17602-80-03	Space product assurance – Software dependability and safety	35.240.99; 49.140	2021-10
CEN/CLC/TR 17602-80-04	Space product assurance – Software metrication programme definition and implementation	35.240.99; 49.140	2021-10
CEN/CLC/TR 17602-80-11	Space product assurance – Software process assessment and improvement – Part 1: Framework	35.240.99; 49.140	2021-10
CEN/CLC/TR 17602-80-12	Space product assurance – Software process assessment and improvement – Part 2: Assessor instrument	35.240.99; 49.140	2021-10
EN 50342-1/A2	Lead-acid starter batteries – Part 1: General requirements and methods of test	29.220.20	2021-10
EN 50377-14-1	Connector sets and interconnect components to be used in optical fibre communication systems – Product specifications Part 14-1: Simplex and duplex cords made from simplex plugs with cylindrical ferrules, using EN 60793-2-50 single-mode B-652 or B-657 fibre for Category C according to EN 61753-1	33.180.20	2021-10
CLC/TR 50510	Fibre optic access to end-user – A guideline to building of FTTX fibre optic network	33.180.99	2021-10
EN 50527-2-3	Procedure for the assessment of the exposure to electromagnetic fields of workers bearing active implantable medical devices – Part 2-3: Specific assessment for workers with implantable neurostimulators	11.040.40; 17.240	2021-10
EN 50708-1-2	Power transformers – Additional European requirements – Part 1-2: Common part – Assessment of energy performance	29.180	2021-10
CLC IEC/TS 60034-30-2	Rotating electrical machines – Part 30-2: Efficiency classes of variable speed AC motors (IE-code) (IEC/TS 60034-30-2:2016)	29.160.01; 29.160.30	2021-10
CLC IEC/TS 60034-32	Rotating electrical machines – Part 32: Measurement of stator end-winding vibration at form-wound windings (IEC/TS 60034-32:2016)	29.160.01	2021-10
EN IEC 60068-3-3/AC	Environmental testing – Part 3-3: Supporting documentation and guidance – Seismic test methods for equipment (IEC 60068-3-3:2019/COR1:2021)	19.040	2021-10
EN IEC 60238/A2	Edison screw lampholders (IEC 60238:2016/A2:2020)	29.140.10	2021-10
EN IEC 60320-1	Appliance couplers for household and similar general purposes – Part 1: General requirements (IEC 60320-1:2021)	29.120.30	2021-10
EN 60335-2-15/A1	Household and similar electrical appliances – Safety – Part 2-15: Particular requirements for appliances for heating liquids (IEC 60335-2-15:2012/A1:2016)	97.040.20; 97.040.50	2021-10
EN 60335-2-15/A12	Household and similar electrical appliances – Safety – Part 2-15: Particular requirements for appliances for heating liquids	97.040.20; 97.040.50	2021-10

Oznaka norme	Naslov norme	ICS	Datum objave
EN 60335-2-21/A1	Household and similar electrical appliances – Safety – Part 2-21: Particular requirements for storage water heaters (IEC 60335-2-21:2012/A1:2018)	13.120; 91.140.65	2021-10
EN IEC 60335-2-25	Household and similar electrical appliances – Safety – Part 2-25: Particular requirements for microwave ovens, including combination microwave ovens (IEC 60335-2-25:2020)	13.120; 97.040.20	2021-10
EN IEC 60335-2-25/A11	Household and similar electrical appliances – Safety – Part 2-25: Particular requirements for microwave ovens, including combination microwave ovens	13.120; 97.040.20	2021-10
EN 60335-2-35/A2	Household and similar electrical appliances – Safety – Part 2-35: Particular requirements for instantaneous water heaters (IEC 60335-2-35:2012/A2:2020, modified)	13.120; 91.140.65; 97.040.50	2021-10
EN 60335-2-61/A12	Household and similar electrical appliances – Safety – Part 2-61: Particular requirements for thermal-storage room heaters	97.100.10	2021-10
EN IEC 60335-2-76	Household and similar electrical appliances – Safety – Part 2-76: Particular requirements for electric fence energizers (IEC 60335-2-76:2018 + COR1:2018)	65.040.10; 65.040.99	2021-10
EN IEC 60335-2-76/A11	Household and similar electrical appliances – Safety – Part 2-76: Particular requirements for electric fence energizers	65.040.10; 65.040.99	2021-10
EN IEC 60335-2-110	Household and similar electrical appliances – Safety – Part 2-110: Particular requirements for commercial microwave appliances with insertion or contacting applicators (IEC 60335-2-110:2013)	97.040.20	2021-10
EN IEC 60444-6	Measurement of quartz crystal unit parameters – Part 6: Measurement of drive level dependence (DLD) (IEC 60444-6:2021)	31.140	2021-10
EN 60601-1/A2	Medical electrical equipment – Part 1: General requirements for basic safety and essential performance (IEC 60601-1:2005/A2:2020)	11.040.01	2021-10
EN IEC 60674-3-1	Plastic films for electrical purposes – Part 3: Specifications for individual materials – Sheet 1: Biaxially oriented polypropylene (PP) film for capacitors (IEC 60674-3-1:2021)	29.035.20	2021-10
EN IEC 60695-2-13	Fire hazard testing – Part 2-13: Glowing/hot-wire based test methods – Glow-wire ignition temperature (GWIT) test method for materials (IEC 60695-2-13:2021)	13.220.40; 29.020	2021-10
EN IEC 60695-9-2	Fire hazard testing – Part 9-2: Surface spread of flame – Summary and relevance of test methods (IEC 60695-9-2:2021)	13.220.40; 29.020	2021-10
EN 60700-1/A1	Thyristor valves for high voltage direct current (HVDC) power transmission – Part 1: Electrical testing (IEC 60700-1:2015/AMD1:2021)	29.200; 31.080.20	2021-10
EN 60700-2/A1	Thyristor valves for high voltage direct current (HVDC) power transmission – Part 2: Terminology (IEC 60700-2:2016/AMD1:2021)	01.040.29; 01.040.31; 29.200; 31.080.20	2021-10
EN IEC 60704-1	Household and similar electrical appliances – Test code for the determination of airborne acoustical noise – Part 1: General requirements (IEC 60704-1:2021)	17.140.20; 97.030	2021-10
EN IEC 60839-11-33	Alarm and electronic security systems – Part 11-33: Electronic access control systems – Access control configuration based on Web services (IEC 60839-11-33:2021)	13.320	2021-10
EN IEC 60958-1	Digital audio interface – Part 1: General (IEC 60958-1:2021)	33.160.01; 33.160.30	2021-10



Oznaka norme	Naslov norme	ICS	Datum objave
EN IEC 60958-3	Digital audio interface – Part 3: Consumer applications (IEC 60958-3:2021)	33.160.01; 33.160.30	2021-10
EN 61009-1/A13	Residual current operated circuit-breakers with integral overcurrent protection for household and similar uses (RCBOs) – Annex N – Additional requirements and tests for RCBOs consisting of one residual current protection function and several independent two-pole overcurrent protection functions	29.120.50	2021-10
EN IEC 61169-54	Radio frequency connectors – Part 54: Sectional specification for coaxial connectors with 10 mm inner diameter of outer conductor, nominal characteristic impedance 50 $\Omega$ , Series 4,3-10 (IEC 61169-54:2021)	33.120.30	2021-10
EN IEC 61189-2-807	Test methods for electrical materials, printed boards and other interconnection structures and assemblies – Part 2-807: Test methods for materials for interconnection structures – Decomposition temperature (Td) using TGA (IEC 61189-2-807:2021)	31.180; 31.190	2021-10
EN IEC 61753-111-07	Fibre optic interconnecting devices and passive components – Performance standard – Part 111-07: Sealed closures – Category A – Aerial (IEC 61753-111-07:2021)	33.180.20	2021-10
EN IEC 61753-111-09	Fibre optic interconnecting devices and passive components – Performance standard – Part 111-09: Sealed closures – Category S – Subterranean (IEC 61753-111-09:2021)	33.180.20	2021-10
EN IEC 61788-23	Superconductivity – Part 23: Residual resistance ratio measurement – Residual resistance ratio of cavity-grade Nb superconductors (IEC 61788-23:2021)	29.050	2021-10
EN IEC 62153-4-5	Metallic communication cable test methods – Part 4-5: Electromagnetic compatibility (EMC) – Screening or coupling attenuation – Absorbing clamp method (IEC 62153-4-5:2021)	33.100.10; 33.120.10	2021-10
EN IEC 62153-4-16	Metallic cables and other passive components test methods – Part 4-16: Electromagnetic compatibility (EMC) – Extension of the frequency range to higher frequencies for transfer impedance and to lower frequencies for screening attenuation measurements using the triaxial set-up (IEC 62153-4-16:2021)	33.100.10; 33.120.10	2021-10
EN 62262/A1	Degrees of protection provided by enclosures for electrical equipment against external mechanical impacts (IK code) (IEC 62262:2002/AMD1:2021)	29.100.99	2021-10
EN IEC 62321-2	Determination of certain substances in electrotechnical products – Part 2: Disassembly, disjointment and mechanical sample preparation (IEC 62321-2:2021)	13.020.01; 29.020; 43.040.10	2021-10
EN IEC 62321-3-3	Determination of certain substances in electrotechnical products – Part 3-3: Screening – Polybrominated biphenyls, polybrominated diphenyl ethers and phthalates in polymers by gas chromatography-mass spectrometry using a pyrolyser/thermal desorption accessory (Py/TD-GC-MS) (IEC 62321-3-3:2021)	13.020.01; 29.020; 43.040.10; 71.040.50	2021-10
EN IEC 62321-9	Determination of certain substances in electrotechnical products – Part 9: Hexabromocyclododecane in polymers by chromatography-mass spectrometry (GC-MS) (IEC 62321-9:2021)	13.020.01; 29.020; 43.040.10	2021-10
EN IEC 62435-9	Electronic components – Long-term storage of electronic semiconductor devices – Part 9: Special cases (IEC 62435-9:2021)	31.200	2021-10

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EN 62586-2/A1	Power quality measurement in power supply systems – Part 2: Functional tests and uncertainty requirements (IEC 62586-2:2017/AMD1:2021)	17.220.20	2021-10
EN IEC 62841-4-5	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 4-5: Particular requirements for grass shears (IEC 62841-4-5:2021)	25.140.20; 65.060.70	2021-10
EN IEC 62841-4-5/A11	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 4-5: Particular requirements for grass shears	25.140.20; 65.060.70	2021-10
EN 62920/A1	Photovoltaic power generating systems – EMC requirements and test methods for power conversion equipment (IEC 62920:2017/A1:2021)	27.160	2021-10
EN 62922/A1	Organic light emitting diode (OLED) panels for general lighting – Performance requirements (IEC 62922:2016/AMD1:2021)	29.140.99; 31.260	2021-10
EN IEC 63041-1	Piezoelectric sensors – Part 1: Generic specifications (IEC 63041-1:2021)	31.140	2021-10
EN IEC 63087-1	Assistive listening devices and systems for active assisted living – Part 1: General (IEC 63087-1:2021)	33.160.30	2021-10
EN IEC 63218	Secondary cells and batteries containing alkaline or other non- acid electrolytes – Secondary lithium, nickel cadmium and nickel- metal hydride cells and batteries for portable applications – Guidance on environmental aspects (IEC 63218:2021)	29.220.30	2021-10
EN IEC 63244-1	Semiconductor devices – Semiconductor devices for wireless power transfer and charging – Part 1: General requirements and specifications (IEC 63244-1:2021)	29.200; 31.080.99	2021-10
EN IEC 63246-1	Configurable car infotainment services (CCIS) – Part 1: General (IEC 63246-1:2021)	33.160.60; 43.040.15	2021-10
EN IEC 63287-1	Semiconductor devices – Generic semiconductor qualification guidelines – Part 1: Guidelines for IC reliability qualification (IEC 63287-1:2021)	31.080.01	2021-10
EN IEC 80001-1	Application of risk management for IT-networks incorporating medical devices – Part 1: Safety, effectiveness and security in the implementation and use of connected medical devices or connected health software (IEC 80001-1:2021)	11.040.01; 35.240.80	2021-10
EN IEC 80601-2-26/AC	Medical electrical equipment – Part 2-26: Particular requirements for the basic safety and essential performance of electroencephalographs (IEC 80601-2-26:2019/COR1:2021)	11.040.01; 11.040.55	2021-10
EN IEC 80601-2-77	Medical electrical equipment – Part 2-77: Particular requirements for the basic safety and essential performance of robotically assisted surgical equipment (IEC 80601-2-77:2019)	11.040.01	2021-10
EN ISO/IEC 29101	Information technology – Security techniques – Privacy architecture framework (ISO/IEC 29101:2018)	35.030	2021-10

## Europska normizacija (ETSI)

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 100392-3-15 V 1.3.1	Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 3: Interworking at the Inter-System Interface (ISI) – Sub-part 15: Transport layer independent Additional Network Feature, Mobility Management (ANF-ISIMM)	33.070.10	2021-10
ETSI TS 102221 V 16.6.0	Smart Cards – UICC-Terminal interface – Physical and logical characteristics (Release 16)	35.240.15	2021-10
ETSI TS 102221 V 17.0.0	Smart Cards – UICC-Terminal interface – Physical and logical characteristics (Release 17)	35.240.15	2021-10
ETSI TS 102232-2 V 3.13.2	Lawful Interception (LI) – Handover Interface and Service-Specific Details (SSD) for IP delivery – Part 2: Service-specific details for messaging services	33.040.35	2021-10
ETSI TS 102268 V 7.1.0	Smart Cards – Test specification for the UICC Application Programming Interface (API) for Java Card(TM) (Release 7)	35.240.15	2021-10
ETSI TS 102412 V 16.3.0	Smart Cards – Smart Card Platform Requirements Stage 1 (Release 16)	35.240.15	2021-10
ETSI TR 102546 V 2.1.1	System Reference document (SRdoc) – Technical characteristics for Audio PMSE equipment	33.100.10	2021-10
ETSI TS 102613 V 16.0.0	Smart Cards – UICC – Contactless Front-end (CLF) Interface – Physical and data link layer characteristics (Release 16)	35.240.15	2021-10
ETSI TS 102941 V 2.1.1	Intelligent Transport Systems (ITS) – Security – Trust and Privacy Management – Release 2	35.240.60	2021-10
ETSI TS 103097 V 2.1.1	Intelligent Transport Systems (ITS) – Security – Security header and certificate formats – Release 2	35.240.60	2021-10
ETSI TS 103221-2 V 1.5.2	Lawful Interception (LI) – Internal Network Interfaces – Part 2: X2/X3	33.040.35	2021-10
ETSI TR 103439 V 2.1.1	Intelligent Transport Systems (ITS) – Multi-Channel Operation study – Release 2	35.240.60	2021-10
ETSI TS 103624 V 1.2.1	Characterization Methodology and Requirement Specifications for the ETSI LC3plus speech codec	33.040.01	2021-10
ETSI TS 103634 V 1.3.1	Digital Enhanced Cordless Telecommunications (DECT) – Low Complexity Communication Codec plus (LC3plus)	33.070.30	2021-10
ETSI TS 103666-1 V 15.8.0	Smart Secure Platform (SSP) – Part 1: General characteristics (Release 15)	35.240.15	2021-10
ETSI TS 103666-1 V 16.4.0	Smart Secure Platform (SSP) – Part 1: General characteristics (Release 16)	35.240.15	2021-10
ETSI TS 103737 V 1.4.1	Speech and multimedia Transmission Quality (STQ) – Transmission requirements for narrowband mobile wireless terminals (handset and headset) from a QoS perspective as perceived by the user	33.040.01	2021-10
ETSI TS 103738 V 1.4.1	Speech and multimedia Transmission Quality (STQ) – Transmission requirements for narrowband mobile wireless terminals (hands-free) from a QoS perspective as perceived by the user	33.040.01	2021-10
ETSI TS 103739 V 1.4.1	Speech and multimedia Transmission Quality (STQ) – Transmission requirements for wideband mobile wireless terminals (handset and headset) from a QoS perspective as perceived by the user	33.040.01	2021-10
ETSI TS 103740 V 1.4.1	Speech and multimedia Transmission Quality (STQ) – Transmission requirements for wideband mobile wireless terminals (hands-free) from a QoS perspective as perceived by the user	33.040.01	2021-10
ETSI TS 103807 V 1.1.1	Mobile Standards Group (MSG) – IMT Cellular Networks Base Stations (BS) Additional Regulatory Requirements	33.070.99	2021-10



Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TR 103823 V 1.1.2	CYBER – Quantum-Safe Public-Key Encryption and Key Encapsulation	35.030; 35.240.30	2021-10
ETSI TS 122261 V 15.9.0	5G – Service requirements for the 5G system (3GPP TS 22.261 version 15.9.0 Release 15)	33.070.50	2021-10
ETSI TS 122261 V 16.15.0	5G – Service requirements for the 5G system (3GPP TS 22.261 version 16.15.0 Release 16)	33.070.50	2021-10
ETSI TS 123280 V 16.6.0	LTE – Common functional architecture to support mission critical services – Stage 2 (3GPP TS 23.280 version 16.6.0 Release 16)	33.070.99	2021-10
ETSI TS 124282 V 16.8.0	LTE – Mission Critical Data (MCData) signalling control – Protocol specification (3GPP TS 24.282 version 16.8.0 Release 16)	33.070.99	2021-10
ETSI TS 124379 V 15.12.0	LTE – Mission Critical Push To Talk (MCPTT) call control – Protocol specification (3GPP TS 24.379 version 15.12.0 Release 15)	33.070.99	2021-10
ETSI TS 124379 V 16.10.0	LTE – Mission Critical Push To Talk (MCPTT) call control – Protocol specification (3GPP TS 24.379 version 16.10.0 Release 16)	33.070.99	2021-10
ETSI TS 124544 V 16.4.0	5G – Group Management – Service Enabler Architecture Layer for Verticals (SEAL) – Protocol specification (3GPP TS 24.544 version 16.4.0 Release 16)	33.070.99	2021-10
ETSI TS 124587 V 16.6.0	5G – Vehicle-to-Everything (V2X) services in 5G System (5GS) – Stage 3 (3GPP TS 24.587 version 16.6.0 Release 16)	33.070.99	2021-10
ETSI TS 126114 V 16.11.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – IP Multimedia Subsystem (IMS) – Multimedia telephony – Media handling and interaction (3GPP TS 26.114 version 16.11.0 Release 16)	33.070.50	2021-10
ETSI TS 126116 V 16.4.0	Universal Mobile Telecommunications System (UMTS) – LTE – Television (TV) over 3GPP services – Video profiles (3GPP TS 26.116 version 16.4.0 Release 16)	33.070.50	2021-10
ETSI TS 126247 V 16.5.0	Universal Mobile Telecommunications System (UMTS) – LTE – Transparent end-to-end Packet-switched Streaming Service (PSS) – Progressive Download and Dynamic Adaptive Streaming over HTTP (3GP-DASH) (3GPP TS 26.247 version 16.5.0 Release 16)	33.070.50	2021-10
ETSI TS 126442 V 12.14.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Codec for Enhanced Voice Services (EVS) – ANSI C code (fixed-point) (3GPP TS 26.442 version 12.14.0 Release 12)	33.070.50	2021-10
ETSI TS 126442 V 13.9.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Codec for Enhanced Voice Services (EVS) – ANSI C code (fixed-point) (3GPP TS 26.442 version 13.9.0 Release 13)	33.070.50	2021-10
ETSI TS 126442 V 14.5.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Codec for Enhanced Voice Services (EVS) – ANSI C code (fixed-point) (3GPP TS 26.442 version 14.5.0 Release 14)	33.070.50	2021-10
ETSI TS 126442 V 15.3.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Codec for Enhanced Voice Services (EVS) – ANSI C code (fixed-point) (3GPP TS 26.442 version 15.3.0 Release 15)	33.070.50	2021-10
ETSI TS 126442 V 16.3.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Codec for Enhanced Voice Services (EVS) – ANSI C code (fixed-point) (3GPP TS 26.442 version 16.3.0 Release 16)	33.070.50	2021-10

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 126443 V 12.13.0	Universal Mobile Telecommunications System (UMTS) – LTE – Codec for Enhanced Voice Services (EVS) – ANSI C code (floating-point) (3GPP TS 26.443 version 12.13.0 Release 12)	33.070.50	2021-10
ETSI TS 126443 V 13.9.0	Universal Mobile Telecommunications System (UMTS) – LTE – Codec for Enhanced Voice Services (EVS) – ANSI C code (floating-point) (3GPP TS 26.443 version 13.9.0 Release 13)	33.070.50	2021-10
ETSI TS 126443 V 14.5.0	Universal Mobile Telecommunications System (UMTS) – LTE – Codec for Enhanced Voice Services (EVS) – ANSI C code (floating-point) (3GPP TS 26.443 version 14.5.0 Release 14)	33.070.50	2021-10
ETSI TS 126443 V 15.3.0	Universal Mobile Telecommunications System (UMTS) – LTE – Codec for Enhanced Voice Services (EVS) – ANSI C code (floating-point) (3GPP TS 26.443 version 15.3.0 Release 15)	33.070.50	2021-10
ETSI TS 126443 V 16.2.0	Universal Mobile Telecommunications System (UMTS) – LTE – Codec for Enhanced Voice Services (EVS) – ANSI C code (floating-point) (3GPP TS 26.443 version 16.2.0 Release 16)	33.070.50	2021-10
ETSI TS 126444 V 12.13.0	Universal Mobile Telecommunications System (UMTS) – LTE – Codec for Enhanced Voice Services (EVS) – Test sequences (3GPP TS 26.444 version 12.13.0 Release 12)	33.070.50	2021-10
ETSI TS 126444 V 13.8.0	Universal Mobile Telecommunications System (UMTS) – LTE – Codec for Enhanced Voice Services (EVS) – Test sequences (3GPP TS 26.444 version 13.8.0 Release 13)	33.070.50	2021-10
ETSI TS 126444 V 14.5.0	Universal Mobile Telecommunications System (UMTS) – LTE – Codec for Enhanced Voice Services (EVS) – Test sequences (3GPP TS 26.444 version 14.5.0 Release 14)	33.070.50	2021-10
ETSI TS 126444 V 15.3.0	Universal Mobile Telecommunications System (UMTS) – LTE – Codec for Enhanced Voice Services (EVS) – Test sequences (3GPP TS 26.444 version 15.3.0 Release 15)	33.070.50	2021-10
ETSI TS 126444 V 16.4.0	Universal Mobile Telecommunications System (UMTS) – LTE – Codec for Enhanced Voice Services (EVS) – Test sequences (3GPP TS 26.444 version 16.4.0 Release 16)	33.070.50	2021-10
ETSI TS 126452 V 16.3.0	5G – Universal Mobile Telecommunications System (UMTS) – LTE – Codec for Enhanced Voice Services (EVS) – ANSI C code – Alternative fixed-point using updated basic operators (3GPP TS 26.452 version 16.3.0 Release 16)	33.070.50	2021-10
ETSI TS 126512 V 16.4.0	5G – 5G Media Streaming (5GMS) – Protocols (3GPP TS 26.512 version 16.4.0 Release 16)	33.070.50	2021-10
ETSI TS 127007 V 16.10.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – AT command set for User Equipment (UE) (3GPP TS 27.007 version 16.10.0 Release 16)	33.070.50	2021-10
ETSI TS 128541 V 16.10.0	5G – Management and orchestration – 5G Network Resource Model (NRM) – Stage 2 and stage 3 (3GPP TS 28.541 version 16.10.0 Release 16)	33.070.50	2021-10
ETSI TS 128623 V 16.9.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Telecommunication management – Generic Network Resource Model (NRM) Integration Reference Point (IRP) – Solution Set (SS) definitions (3GPP TS 28.623 version 16.9.0 Release 16)	33.070.50	2021-10

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 129379 V 16.3.0	LTE – 5G – Mission Critical Push To Talk (MCPTT) call control interworking with Land Mobile Radio (LMR) systems – Stage-3 (3GPP TS 29.379 version 16.3.0 Release 16)	33.070.99	2021-10
ETSI TS 129413 V 16.3.0	5G – Application of the NG Application Protocol (NGAP) to non-3GPP access (3GPP TS 29.413 version 16.3.0 Release 16)	33.070.99	2021-10
ETSI TS 131121 V 16.5.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – UICC-terminal interface – Universal Subscriber Identity Module (USIM) application test specification (3GPP TS 31.121 version 16.5.0 Release 16)	33.070.50	2021-10
ETSI TS 132291 V 16.9.0	5G – Telecommunication management – Charging management – 5G system, charging service – Stage 3 (3GPP TS 32.291 version 16.9.0 Release 16)	33.070.50	2021-10
ETSI TS 134229-1 V 15.9.0	Universal Mobile Telecommunications System (UMTS) – LTE – Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP) – User Equipment (UE) conformance specification – Part 1: Protocol conformance specification (3GPP TS 34.229-1 version 15.9.0 Release 15)	33.070.50	2021-10
ETSI TS 134229-2 V 15.8.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP) – User Equipment (UE) conformance specification – Part 2: Implementation Conformance Statement (ICS) specification (3GPP TS 34.229-2 version 15.8.0 Release 15)	33.070.50	2021-10
ETSI TS 134229-2 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP) – User Equipment (UE) conformance specification – Part 2: Implementation Conformance Statement (ICS) specification (3GPP TS 34.229-2 version 16.0.0 Release 16)	33.070.50	2021-10
ETSI TS 134229-3 V 16.3.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP) – User Equipment (UE) conformance specification – Part 3: Abstract test suite (ATS) (3GPP TS 34.229-3 version 16.3.0 Release 16)	33.070.50	2021-10
ETSI TS 134229-5 V 15.5.0	5G – Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP) – User Equipment (UE) conformance specification – Part 5: Protocol conformance specification using 5G System (5GS) (3GPP TS 34.229-5 version 15.5.0 Release 15)	33.070.50	2021-10
ETSI TS 134229-5 V 16.0.0	5G – Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP) – User Equipment (UE) conformance specification – Part 5: Protocol conformance specification using 5G System (5GS) (3GPP TS 34.229-5 version 16.0.0 Release 16)	33.070.50	2021-10
ETSI TS 136104 V 15.13.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Base Station (BS) radio transmission and reception (3GPP TS 36.104 version 15.13.0 Release 15)	33.070.50	2021-10

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 136104 V 16.11.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Base Station (BS) radio transmission and reception (3GPP TS 36.104 version 16.11.0 Release 16)	33.070.50	2021-10
ETSI TS 136141 V 15.14.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Base Station (BS) conformance testing (3GPP TS 36.141 version 15.14.0 Release 15)	33.070.50	2021-10
ETSI TS 136141 V 16.11.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Base Station (BS) conformance testing (3GPP TS 36.141 version 16.11.0 Release 16)	33.070.50	2021-10
ETSI TS 136171 V 15.2.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Requirements for Support of Assisted Global Navigation Satellite System (A-GNSS) (3GPP TS 36.171 version 15.2.0 Release 15)	33.070.50	2021-10
ETSI TS 136171 V 16.3.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Requirements for Support of Assisted Global Navigation Satellite System (A-GNSS) (3GPP TS 36.171 version 16.3.0 Release 16)	33.070.50	2021-10
ETSI TS 136211 V 15.14.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Physical channels and modulation (3GPP TS 36.211 version 15.14.0 Release 15)	33.070.50	2021-10
ETSI TS 136211 V 16.7.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Physical channels and modulation (3GPP TS 36.211 version 16.7.0 Release 16)	33.070.50	2021-10
ETSI TS 136213 V 15.15.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Physical layer procedures (3GPP TS 36.213 version 15.15.0 Release 15)	33.070.50	2021-10
ETSI TS 136213 V 16.7.1	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Physical layer procedures (3GPP TS 36.213 version 16.7.1 Release 16)	33.070.50	2021-10
ETSI TS 136304 V 16.5.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – User Equipment (UE) procedures in idle mode (3GPP TS 36.304 version 16.5.0 Release 16)	33.070.50	2021-10
ETSI TS 136305 V 16.4.0	LTE – Evolved Universal Terrestrial Radio Access Network (E-UTRAN) – Stage 2 functional specification of User Equipment (UE) positioning in E-UTRAN (3GPP TS 36.305 version 16.4.0 Release 16)	33.070.50	2021-10
ETSI TS 136306 V 16.6.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – User Equipment (UE) radio access capabilities (3GPP TS 36.306 version 16.6.0 Release 16)	33.070.50	2021-10
ETSI TS 136307 V 13.14.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Requirements on User Equipments (UEs) supporting a release-independent frequency band (3GPP TS 36.307 version 13.14.0 Release 13)	33.070.50	2021-10
ETSI TS 136307 V 14.11.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Requirements on User Equipments (UEs) supporting a release-independent frequency band (3GPP TS 36.307 version 14.11.0 Release 14)	33.070.50	2021-10
ETSI TS 136307 V 15.8.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Requirements on User Equipments (UEs) supporting a release-independent frequency band (3GPP TS 36.307 version 15.8.0 Release 15)	33.070.50	2021-10
ETSI TS 136307 V 16.4.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Requirements on User Equipments (UEs) supporting a release-independent frequency band (3GPP TS 36.307 version 16.4.0 Release 16)	33.070.50	2021-10
ETSI TS 136321 V 16.6.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Medium Access Control (MAC) protocol specification (3GPP TS 36.321 version 16.6.0 Release 16)	33.070.50	2021-10



Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 136323 V 16.4.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Packet Data Convergence Protocol (PDCP) specification (3GPP TS 36.323 version 16.4.0 Release 16)	33.070.50	2021-10
ETSI TS 136331 V 15.15.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Radio Resource Control (RRC) – Protocol specification (3GPP TS 36.331 version 15.15.0 Release 15)	33.070.50	2021-10
ETSI TS 136331 V 16.6.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Radio Resource Control (RRC) – Protocol specification (3GPP TS 36.331 version 16.6.0 Release 16)	33.070.50	2021-10
ETSI TS 136413 V 16.7.0	LTE – Evolved Universal Terrestrial Radio Access Network (E-UTRAN) – S1 Application Protocol (S1AP) (3GPP TS 36.413 version 16.7.0 Release 16)	33.070.50	2021-10
ETSI TS 136521-2 V 16.10.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – User Equipment (UE) conformance specification – Radio transmission and reception – Part 2: Implementation Conformance Statement (ICS) (3GPP TS 36.521-2 version 16.10.0 Release 16)	33.070.50	2021-10
ETSI TS 136523-2 V 16.10.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Packet Core (EPC) – User Equipment (UE) conformance specification – Part 2: Implementation Conformance Statement (ICS) proforma specification (3GPP TS 36.523-2 version 16.10.0 Release 16)	33.070.50	2021-10
ETSI TS 136579-1 V 15.3.1	LTE – Mission Critical (MC) services over LTE – Part 1: Common test environment (3GPP TS 36.579-1 version 15.3.1 Release 15)	33.070.99	2021-10
ETSI TS 136579-2 V 15.1.0	LTE – Mission Critical (MC) services over LTE – Part 2: Mission Critical Push To Talk (MCPTT) User Equipment (UE) Protocol conformance specification (3GPP TS 36.579-2 version 15.1.0 Release 15)	33.070.99	2021-10
ETSI TS 136579-4 V 15.1.0	LTE – Mission Critical (MC) services over LTE – Part 4: Test Applicability and Implementation Conformance Statement (ICS) proforma specification (3GPP TS 36.579-4 version 15.1.0 Release 15)	33.070.99	2021-10
ETSI TS 136579-5 V 14.4.0	LTE – Mission Critical (MC) services over LTE – Part 5: Abstract test suite (ATS) (3GPP TS 36.579-5 version 14.4.0 Release 14)	33.070.99	2021-10
ETSI TS 136579-6 V 15.1.0	LTE – Mission Critical (MC) services over LTE – Part 6: Mission Critical Video (MCVideo) User Equipment (UE) Protocol conformance specification (3GPP TS 36.579-6 version 15.1.0 Release 15)	33.070.99	2021-10
ETSI TS 136579-7 V 14.3.0	LTE – Mission Critical (MC) services over LTE – Part 7: Mission Critical Data (MCData) User Equipment (UE) Protocol conformance specification (3GPP TS 36.579-7 version 14.3.0 Release 14)	33.070.99	2021-10
ETSI TR 136905 V 16.7.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Universal Terrestrial Radio Access Network (E-UTRAN) – Derivation of test points for radio transmission and reception conformance test cases (3GPP TR 36.905 version 16.7.0 Release 16)	33.070.99	2021-10
ETSI TS 137104 V 16.11.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – NR, E-UTRA, UTRA and GSM/EDGE – Multi-Standard Radio (MSR) Base Station (BS) radio transmission and reception (3GPP TS 37.104 version 16.11.0 Release 16)	33.070.50	2021-10

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 137105 V 15.14.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Active Antenna System (AAS) Base Station (BS) transmission and reception (3GPP TS 37.105 version 15.14.0 Release 15)	33.070.99	2021-10
ETSI TS 137105 V 16.9.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Active Antenna System (AAS) Base Station (BS) transmission and reception (3GPP TS 37.105 version 16.9.0 Release 16)	33.070.99	2021-10
ETSI TS 137141 V 16.11.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – NR, E-UTRA, UTRA and GSM/EDGE – Multi-Standard Radio (MSR) Base Station (BS) conformance testing (3GPP TS 37.141 version 16.11.0 Release 16)	33.070.50	2021-10
ETSI TS 137145-1 V 15.11.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Active Antenna System (AAS) Base Station (BS) conformance testing – Part 1: conducted conformance testing (3GPP TS 37.145-1 version 15.11.0 Release 15)	33.070.99	2021-10
ETSI TS 137145-1 V 16.8.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Active Antenna System (AAS) Base Station (BS) conformance testing – Part 1: conducted conformance testing (3GPP TS 37.145-1 version 16.8.0 Release 16)	33.070.99	2021-10
ETSI TS 137145-2 V 15.12.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Active Antenna System (AAS) Base Station (BS) conformance testing – Part 2: radiated conformance testing (3GPP TS 37.145-2 version 15.12.0 Release 15)	33.070.99	2021-10
ETSI TS 137145-2 V 16.9.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Active Antenna System (AAS) Base Station (BS) conformance testing – Part 2: radiated conformance testing (3GPP TS 37.145-2 version 16.9.0 Release 16)	33.070.99	2021-10
ETSI TS 137320 V 16.6.0	Universal Mobile Telecommunications System (UMTS) – LTE – Universal Terrestrial Radio Access (UTRA) and Evolved Universal Terrestrial Radio Access (E-UTRA) – Radio measurement collection for Minimization of Drive Tests (MDT) – Overall description – Stage 2 (3GPP TS 37.320 version 16.6.0 Release 16)	33.070.50	2021-10
ETSI TS 137340 V 15.14.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – NR – Multi-connectivity – Overall description – Stage-2 (3GPP TS 37.340 version 15.14.0 Release 15)	33.070.99	2021-10
ETSI TS 137340 V 16.7.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – NR – Multi-connectivity – Overall description – Stage-2 (3GPP TS 37.340 version 16.7.0 Release 16)	33.070.99	2021-10
ETSI TS 137355 V 16.6.0	LTE – 5G – LTE Positioning Protocol (LPP) (3GPP TS 37.355 version 16.6.0 Release 16)	33.070.50	2021-10
ETSI TS 137544 V 16.2.0	Universal Mobile Telecommunications System (UMTS) – LTE – Universal Terrestrial Radio Access (UTRA) and Evolved UTRA (E-UTRA) – User Equipment (UE) Over The Air (OTA) performance – Conformance testing (3GPP TS 37.544 version 16.2.0 Release 16)	33.070.99	2021-10
ETSI TS 137571-1 V 16.10.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – User Equipment (UE) conformance specification for UE positioning – Part 1: Conformance test specification (3GPP TS 37.571-1 version 16.10.0 Release 16)	33.070.50	2021-10

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 137571-2 V 16.9.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – User Equipment (UE) conformance specification for UE positioning – Part 2: Protocol conformance (3GPP TS 37.571-2 version 16.9.0 Release 16)	33.070.50	2021-10
ETSI TS 137571-3 V 16.9.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – User Equipment (UE) conformance specification for UE positioning – Part 3: Implementation Conformance Statement (ICS) (3GPP TS 37.571-3 version 16.9.0 Release 16)	33.070.50	2021-10
ETSI TS 137571-4 V 16.3.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – User Equipment (UE) conformance specification for UE positioning – Part 4: Test suites (3GPP TS 37.571-4 version 16.3.0 Release 16)	33.070.50	2021-10
ETSI TS 137571-5 V 16.6.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – User Equipment (UE) conformance specification for UE positioning – Part 5: Test scenarios and assistance data (3GPP TS 37.571-5 version 16.6.0 Release 16)	33.070.50	2021-10
ETSI TR 137901-5 V 16.5.0	5G – Study on 5G NR User Equipment (UE) application layer data throughput performance (3GPP TR 37.901-5 version 16.5.0 Release 16)	33.070.99	2021-10
ETSI TR 137941 V 15.3.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Radio Frequency (RF) conformance testing background for radiated Base Station (BS) requirements (3GPP TR 37.941 version 15.3.0 Release 15)	33.070.50	2021-10
ETSI TR 137941 V 16.3.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Radio Frequency (RF) conformance testing background for radiated Base Station (BS) requirements (3GPP TR 37.941 version 16.3.0 Release 16)	33.070.50	2021-10
ETSI TS 138101-1 V 15.15.0	5G – NR – User Equipment (UE) radio transmission and reception – Part 1: Range 1 Standalone (3GPP TS 38.101-1 version 15.15.0 Release 15)	33.070.99	2021-10
ETSI TS 138101-1 V 16.9.0	5G – NR – User Equipment (UE) radio transmission and reception – Part 1: Range 1 Standalone (3GPP TS 38.101-1 version 16.9.0 Release 16)	33.070.99	2021-10
ETSI TS 138101-2 V 15.15.0	5G – NR – User Equipment (UE) radio transmission and reception – Part 2: Range 2 Standalone (3GPP TS 38.101-2 version 15.15.0 Release 15)	33.070.99	2021-10
ETSI TS 138101-2 V 16.9.0	5G – NR – User Equipment (UE) radio transmission and reception – Part 2: Range 2 Standalone (3GPP TS 38.101-2 version 16.9.0 Release 16)	33.070.99	2021-10
ETSI TS 138101-3 V 15.15.0	5G – NR – User Equipment (UE) radio transmission and reception – Part 3: Range 1 and Range 2 Interworking operation with other radios (3GPP TS 38.101-3 version 15.15.0 Release 15)	33.070.99	2021-10
ETSI TS 138101-3 V 16.9.0	5G – NR – User Equipment (UE) radio transmission and reception – Part 3: Range 1 and Range 2 Interworking operation with other radios (3GPP TS 38.101-3 version 16.9.0 Release 16)	33.070.99	2021-10
ETSI TS 138101-4 V 15.11.0	5G – NR – User Equipment (UE) radio transmission and reception – Part 4: Performance requirements (3GPP TS 38.101-4 version 15.11.0 Release 15)	33.070.99	2021-10
ETSI TS 138101-4 V 16.6.0	5G – NR – User Equipment (UE) radio transmission and reception – Part 4: Performance requirements (3GPP TS 38.101-4 version 16.6.0 Release 16)	33.070.99	2021-10
ETSI TS 138104 V 15.15.0	5G – NR – Base Station (BS) radio transmission and reception (3GPP TS 38.104 version 15.15.0 Release 15)	33.070.99	2021-10

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 138104 V 16.9.0	5G – NR – Base Station (BS) radio transmission and reception (3GPP TS 38.104 version 16.9.0 Release 16)	33.070.99	2021-10
ETSI TS 138141-1 V 15.10.0	5G – NR – Base Station (BS) conformance testing Part 1: Conducted conformance testing (3GPP TS 38.141-1 version 15.10.0 Release 15)	33.070.99	2021-10
ETSI TS 138141-1 V 16.9.0	5G – NR – Base Station (BS) conformance testing Part 1: Conducted conformance testing (3GPP TS 38.141-1 version 16.9.0 Release 16)	33.070.99	2021-10
ETSI TS 138141-2 V 15.11.0	5G – NR – Base Station (BS) conformance testing Part 2: Radiated conformance testing (3GPP TS 38.141-2 version 15.11.0 Release 15)	33.070.99	2021-10
ETSI TS 138141-2 V 16.9.0	5G – NR – Base Station (BS) conformance testing Part 2: Radiated conformance testing (3GPP TS 38.141-2 version 16.9.0 Release 16)	33.070.99	2021-10
ETSI TS 138174 V 16.4.0	5G – NR – Integrated Access and Backhaul (IAB) radio transmission and reception (3GPP TS 38.174 version 16.4.0 Release 16)	33.070.99	2021-10
ETSI TS 138175 V 16.3.0	5G – NR – Integrated Access and Backhaul (IAB) Electromagnetic Compatibility (EMC) (3GPP TS 38.175 version 16.3.0 Release 16)	33.070.99	2021-10
ETSI TS 138176-1 V 16.1.0	5G – NR – Integrated Access and Backhaul (IAB) conformance testing – Part 1: Conducted conformance testing (3GPP TS 38.176-1 version 16.1.0 Release 16)	33.070.99	2021-10
ETSI TS 138176-2 V 16.1.0	5G – NR – Integrated Access and Backhaul (IAB) conformance testing – Part 2: Radiated conformance testing (3GPP TS 38.176-2 version 16.1.0 Release 16)	33.070.99	2021-10
ETSI TS 138211 V 16.7.0	5G – NR – Physical channels and modulation (3GPP TS 38.211 version 16.7.0 Release 16)	33.070.99	2021-10
ETSI TS 138212 V 15.12.0	5G – NR – Multiplexing and channel coding (3GPP TS 38.212 version 15.12.0 Release 15)	33.070.99	2021-10
ETSI TS 138212 V 16.7.0	5G – NR – Multiplexing and channel coding (3GPP TS 38.212 version 16.7.0 Release 16)	33.070.99	2021-10
ETSI TS 138213 V 16.7.0	5G – NR – Physical layer procedures for control (3GPP TS 38.213 version 16.7.0 Release 16)	33.070.99	2021-10
ETSI TS 138214 V 15.14.0	5G – NR – Physical layer procedures for data (3GPP TS 38.214 version 15.14.0 Release 15)	33.070.99	2021-10
ETSI TS 138214 V 16.7.0	5G – NR – Physical layer procedures for data (3GPP TS 38.214 version 16.7.0 Release 16)	33.070.99	2021-10
ETSI TS 138300 V 16.7.0	5G – NR – NR and NG-RAN Overall description – Stage-2 (3GPP TS 38.300 version 16.7.0 Release 16)	33.070.99	2021-10
ETSI TS 138304 V 15.8.0	5G – NR – User Equipment (UE) procedures in idle mode and in RRC Inactive state (3GPP TS 38.304 version 15.8.0 Release 15)	33.070.99	2021-10
ETSI TS 138304 V 16.6.0	5G – NR – User Equipment (UE) procedures in idle mode and in RRC Inactive state (3GPP TS 38.304 version 16.6.0 Release 16)	33.070.99	2021-10
ETSI TS 138305 V 15.9.0	5G – NG Radio Access Network (NG-RAN) – Stage 2 functional specification of User Equipment (UE) positioning in NG-RAN (3GPP TS 38.305 version 15.9.0 Release 15)	33.070.99	2021-10
ETSI TS 138305 V 16.6.0	5G – NG Radio Access Network (NG-RAN) – Stage 2 functional specification of User Equipment (UE) positioning in NG-RAN (3GPP TS 38.305 version 16.6.0 Release 16)	33.070.99	2021-10
ETSI TS 138306 V 15.15.0	5G – NR – User Equipment (UE) radio access capabilities (3GPP TS 38.306 version 15.15.0 Release 15)	33.070.99	2021-10
ETSI TS 138306 V 16.6.0	5G – NR – User Equipment (UE) radio access capabilities (3GPP TS 38.306 version 16.6.0 Release 16)	33.070.99	2021-10



Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 138307 V 15.9.0	5G – NR – Requirements on User Equipments (UEs) supporting a release-independent frequency band (3GPP TS 38.307 version 15.9.0 Release 15)	33.070.99	2021-10
ETSI TS 138307 V 16.8.0	5G – NR – Requirements on User Equipments (UEs) supporting a release-independent frequency band (3GPP TS 38.307 version 16.8.0 Release 16)	33.070.99	2021-10
ETSI TS 138314 V 16.4.0	5G – NR – Layer 2 measurements (3GPP TS 38.314 version 16.4.0 Release 16)	33.070.99	2021-10
ETSI TS 138321 V 16.6.0	5G – NR – Medium Access Control (MAC) protocol specification (3GPP TS 38.321 version 16.6.0 Release 16)	33.070.99	2021-10
ETSI TS 138323 V 16.5.0	5G – NR – Packet Data Convergence Protocol (PDCP) specification (3GPP TS 38.323 version 16.5.0 Release 16)	33.070.99	2021-10
ETSI TS 138331 V 15.15.0	5G – NR – Radio Resource Control (RRC) – Protocol specification (3GPP TS 38.331 version 15.15.0 Release 15)	33.070.99	2021-10
ETSI TS 138331 V 16.6.0	5G – NR – Radio Resource Control (RRC) – Protocol specification (3GPP TS 38.331 version 16.6.0 Release 16)	33.070.99	2021-10
ETSI TS 138401 V 16.7.0	5G – NG-RAN – Architecture description (3GPP TS 38.401 version 16.7.0 Release 16)	33.070.99	2021-10
ETSI TS 138410 V 16.4.0	5G – NG-RAN – NG general aspects and principles (3GPP TS 38.410 version 16.4.0 Release 16)	33.070.99	2021-10
ETSI TS 138413 V 15.13.0	5G – NG-RAN – NG Application Protocol (NGAP) (3GPP TS 38.413 version 15.13.0 Release 15)	33.070.99	2021-10
ETSI TS 138413 V 16.7.0	5G – NG-RAN – NG Application Protocol (NGAP) (3GPP TS 38.413 version 16.7.0 Release 16)	33.070.99	2021-10
ETSI TS 138423 V 15.13.0	5G – NG-RAN – Xn Application Protocol (XnAP) (3GPP TS 38.423 version 15.13.0 Release 15)	33.070.99	2021-10
ETSI TS 138423 V 16.7.0	5G – NG-RAN – Xn Application Protocol (XnAP) (3GPP TS 38.423 version 16.7.0 Release 16)	33.070.99	2021-10
ETSI TS 138455 V 16.5.0	5G – NG-RAN – NR Positioning Protocol A (NRPPa) (3GPP TS 38.455 version 16.5.0 Release 16)	33.070.99	2021-10
ETSI TS 138463 V 15.9.0	5G – NG-RAN – E1 Application Protocol (E1AP) (3GPP TS 38.463 version 15.9.0 Release 15)	33.070.99	2021-10
ETSI TS 138463 V 16.7.0	5G – NG-RAN – E1 Application Protocol (E1AP) (3GPP TS 38.463 version 16.7.0 Release 16)	33.070.99	2021-10
ETSI TS 138473 V 15.15.0	5G – NG-RAN – F1 Application Protocol (F1AP) (3GPP TS 38.473 version 15.15.0 Release 15)	33.070.99	2021-10
ETSI TS 138473 V 16.7.0	5G – NG-RAN – F1 Application Protocol (F1AP) (3GPP TS 38.473 version 16.7.0 Release 16)	33.070.99	2021-10
ETSI TS 138509 V 16.2.0	5G – LTE – 5GS – Special conformance testing functions for User Equipment (UE) (3GPP TS 38.509 version 16.2.0 Release 16)	33.070.99	2021-10
ETSI TS 138521-2 V 16.9.0	5G – NR – User Equipment (UE) conformance specification – Radio transmission and reception – Part 2: Range 2 standalone (3GPP TS 38.521-2 version 16.9.0 Release 16)	33.070.99	2021-10
ETSI TS 138523-2 V 16.9.0	5G – LTE – 5GS – User Equipment (UE) conformance specification – Part 2: Applicability of protocol test cases (3GPP TS 38.523-2 version 16.9.0 Release 16)	33.070.99	2021-10
ETSI TS 138523-3 V 16.3.0	5G – LTE – 5GS – User Equipment (UE) conformance specification – Part 3: Protocol Test Suites (3GPP TS 38.523-3 version 16.3.0 Release 16)	33.070.99	2021-10

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TR 138903 V 16.9.0	5G – NR – Derivation of test tolerances and measurement uncertainty for User Equipment (UE) conformance test cases (3GPP TR 38.903 version 16.9.0 Release 16)	33.070.99	2021-10
ETSI TS 151010-2 V 13.12.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Mobile Station (MS) conformance specification – Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification (3GPP TS 51.010-2 version 13.12.0 Release 13)	33.070.50	2021-10
ETSI GS ARF 004-3 V 1.1.1	Augmented Reality Framework (ARF) – Interoperability Requirements for AR components, systems and services – Part 3: World Capture, World Analysis and Scene Management	35.040.40; 35.140	2021-10
ETSI GR NFV-EVE 019 V 4.1.1	Network Functions Virtualisation (NFV) Release 4 – Architectural Framework – Report on VNF generic OAM functions	35.110	2021-10
ETSI GR NFV-IFA 034 V 4.1.1	Network Functions Virtualisation (NFV) Release 4 – Management and Orchestration – Report on Architectural enhancement for VNF License Management support and use of VNF licenses	35.110	2021-10
ETSI GS NFV-SOL 005 V 3.5.1	Network Functions Virtualisation (NFV) Release 3 – Protocols and Data Models – RESTful protocols specification for the Os-Ma-nfvo Reference Point	35.110	2021-10
EN 302217-1 V 3.3.1	Fixed Radio Systems – Characteristics and requirements for point-to-point equipment and antennas – Part 1: Overview, common characteristics and requirements not related to access to radio spectrum	33.060.20; 33.060.30; 33.120.40	2021-10
EN 302217-2 V 3.3.1	Fixed Radio Systems – Characteristics and requirements for point-to-point equipment and antennas – Part 2: Digital systems operating in frequency bands from 1 GHz to 86 GHz – Harmonised Standard for access to radio spectrum	33.060.20; 33.060.30; 33.120.40	2021-10
EN 319122-1 V 1.2.1	Electronic Signatures and Infrastructures (ESI) – CADES digital signatures – Part 1: Building blocks and CADES baseline signatures	35.240.30	2021-10

## Međunarodna normizacija (ISO)

Oznaka norme	Naslov norme	ICS	Datum objave
ISO 616	Coke – Determination of shatter indices	75.160.10	2021-10
ISO 3716	Hydrometry – Functional requirements and characteristics of suspended-sediment samplers	17.120.20	2021-10
ISO 3739-3	Industrial tyres and rims – Part 3: Rims	53.060	2021-10
ISO 3834-5	Quality requirements for fusion welding of metallic materials – Part 5: Documents with which it is necessary to conform to claim conformity to the quality requirements of ISO 3834-2, ISO 3834-3 or ISO 3834-4	25.160.01	2021-10
ISO 3934	Rubber, vulcanized and thermoplastic – Preformed gaskets used in buildings – Classification, specifications and test methods	83.140.50; 91.100.50	2021-10
ISO 4000-2	Passenger car tyres and rims – Part 2: Rims	43.040.50	2021-10
ISO 4211-5	Furniture – Tests for surface finishes – Part 5: Assessment of resistance to abrasion	97.140	2021-10
ISO 4307	Molecular in vitro diagnostic examinations – Specifications for pre-examination processes for saliva – Isolated human DNA	11.100.10	2021-10
ISO 4524-3	Metallic coatings – Test methods for electrodeposited gold and gold alloy coatings – Part 3: Electrographic tests for porosity	25.220.40	2021-10
ISO 4674-2	Rubber- or plastics-coated fabrics – Determination of tear resistance – Part 2: Ballistic pendulum method	59.080.40	2021-10
ISO 4695	Iron ores for blast furnace feedstocks – Determination of the reducibility by the rate of reduction index	73.060.10	2021-10
ISO 4803	Laboratory glassware – Borosilicate glass tubing	71.040.20	2021-10
ISO/PAS 5101	Road vehicles – Field load specification for brake actuation and modulation systems	43.040.40	2021-10
ISO 5682-4	Equipment for crop protection – Spraying equipment – Part 4: Test methods for agitation of sprayer tanks	65.060.40	2021-10
ISO 6469-3	Electrically propelled road vehicles – Safety specifications – Part 3: Electrical safety	43.120	2021-10
ISO 7293	Forestry machinery – Portable chain-saws – Engine performance and fuel consumption	65.060.80	2021-10
ISO 7788	Steel – Surface finish of hot-rolled plates and wide flats – Delivery requirements	77.140.50	2021-10
ISO 8000-66	Data quality – Part 66: Data quality management: Assessment indicators for data processing in manufacturing operations	25.040.40	2021-10
ISO 8082-1 AMD 1	Self-propelled machinery for forestry – Laboratory tests and performance requirements for roll-over protective structures – Part 1: General machines; Amendment 1	65.060.80	2021-10
ISO 8893	Forestry machinery – Portable brush-cutters and grass-trimmers – Engine performance and fuel consumption	65.060.80	2021-10
ISO 9286	Abrasive grains and crude – Chemical analysis of silicon carbide	25.100.70	2021-10
ISO 10298 AMD 1	Gas cylinders – Gases and gas mixtures – Determination of toxicity for the selection of cylinder valve outlets; Amendment 1	71.100.20	2021-10
ISO 10535	Assistive products – Hoists for the transfer of persons – Requirements and test methods	11.180.10	2021-10
ISO 10591	Building and civil engineering sealants – Determination of adhesion/cohesion properties of sealants after immersion in water	91.100.50	2021-10

Oznaka norme	Naslov norme	ICS	Datum objave
ISO 11114-2	Gas cylinders – Compatibility of cylinder and valve materials with gas contents – Part 2: Non-metallic materials	23.020.35	2021-10
ISO 11228-1	Ergonomics – Manual handling – Part 1: Lifting, lowering and carrying	13.180	2021-10
ISO 11432	Building and civil engineering sealants – Determination of resistance to compression	91.100.50	2021-10
ISO 11439 AMD 1	Gas cylinders – High pressure cylinders for the on-board storage of natural gas as a fuel for automotive vehicles; Amendment 1	23.020.35; 43.060.40	2021-10
ISO 11452-9	Road vehicles – Component test methods for electrical disturbances from narrowband radiated electromagnetic energy – Part 9: Portable transmitters	33.100.20; 43.040.10	2021-10
ISO 11680-1	Machinery for forestry – Safety requirements and testing for pole-mounted powered pruners – Part 1: Machines fitted with an integral combustion engine	65.060.80	2021-10
ISO 11680-2	Machinery for forestry – Safety requirements and testing for pole-mounted powered pruners – Part 2: Machines for use with backpack power source	65.060.80	2021-10
ISO 11738	Agricultural irrigation equipment – Control heads	65.060.35	2021-10
ISO 11807-1	Integrated optics – Vocabulary – Part 1: Optical waveguide basic terms and symbols	01.040.31; 31.260	2021-10
ISO 11807-2	Integrated optics – Vocabulary – Part 2: Terms used in classification	01.040.31; 31.260	2021-10
ISO 12151-3	Connections for hydraulic fluid power and general use – Hose fittings – Part 3: Hose fittings with ISO 6162-1 or ISO 6162-2 flange ends	23.040.70; 23.100.40	2021-10
ISO 12297-1	Rolling bearings – Cylindrical rollers – Part 1: Boundary dimensions, geometrical product specifications (GPS) and tolerance values for steel rollers	21.100.20	2021-10
ISO 12609-1	Eye and face protection against intense light sources used on humans and animals for cosmetic and medical applications – Part 1: Specification for products	13.340.20	2021-10
ISO 13457	Agricultural irrigation equipment – Water-driven chemical injector pumps	65.060.35	2021-10
ISO 14229-2	Road vehicles – Unified diagnostic services (UDS) – Part 2: Session layer services	43.180	2021-10
ISO 14400	Road vehicles – Wheels and rims – Use, general maintenance and safety requirements and out-of-service conditions	43.040.50	2021-10
ISO 14548	Photography – Dimensions of glass plates	37.040.20	2021-10
ISO 14782	Plastics – Determination of haze for transparent materials	83.080.01	2021-10
ISO 14881	Integrated optics – Interfaces – Parameters relevant to coupling properties	31.260	2021-10
ISO 15614-12	Specification and qualification of welding procedures for metallic materials – Welding procedure test – Part 12: Spot, seam and projection welding	25.160.10	2021-10
ISO 15874-3 AMD 2	Plastics piping systems for hot and cold water installations – Polypropylene (PP) – Part 3: Fittings; Amendment 2	23.040.45; 91.140.60	2021-10
ISO 15875-3 AMD 2	Plastics piping systems for hot and cold water installations – Crosslinked polyethylene (PE-X) – Part 3: Fittings; Amendment 2	23.040.45; 91.140.60	2021-10



Oznaka norme	Naslov norme	ICS	Datum objave
ISO 15876-3 AMD 2	Plastics piping systems for hot and cold water installations – Polybutene (PB) – Part 3: Fittings; Amendment 2	23.040.45; 91.140.60	2021-10
ISO/TR 16158	Space systems – Avoiding collisions among orbiting objects	49.140	2021-10
ISO 16256	Clinical laboratory testing and in vitro diagnostic test systems – Broth micro-dilution reference method for testing the in vitro activity of antimicrobial agents against yeast fungi involved in infectious diseases	11.100.10	2021-10
ISO 16653-2	Mobile elevating work platforms – Design, calculations, safety requirements and test methods relative to special features – Part 2: MEWPs with non-conductive (insulating) components	53.020.99	2021-10
ISO/TS 17420-8	Respiratory protective devices – Performance requirements – Part 8: Special application chemical, biological, radiological and nuclear (CBRN) filtering and radiological-nuclear (RN) filtering RPD	13.340.30	2021-10
ISO/TS 17420-9	Respiratory protective devices – Performance requirements – Part 9: Special application chemical, biological, radiological and nuclear (CBRN) supplied breathable RPD	13.340.30	2021-10
ISO/TR 18228-2	Design using geosynthetics – Part 2: Separation	59.080.70	2021-10
ISO 18543	Glass in building – Electrochromic glazings – Accelerated ageing test and requirements	81.040.20	2021-10
ISO 18947-2	Imaging materials and prints – Abrasion resistance – Part 2: Rub testing of photographic prints	37.040.20	2021-10
ISO 19050	Rubber, raw, vulcanized – Determination of metal content by ICP-OES	83.040.10; 83.060	2021-10
ISO 19085-2	Woodworking machines – Safety – Part 2: Horizontal beam panel circular sawing machines	13.110; 79.120.10	2021-10
ISO 19085-14	Woodworking machines – Safety – Part 14: Four-sided moulding machines	13.110; 79.120.10	2021-10
ISO 19085-15	Woodworking machines – Safety – Part 15: Presses	13.110; 79.120.10	2021-10
ISO 19085-16	Woodworking machines – Safety – Part 16: Table band saws and band re-saws	79.120.10	2021-10
ISO 19242	Rubber – Determination of total sulfur content by ion chromatography	83.060	2021-10
ISO 19259	Plain bearings – Bearings with embedded solid lubricants	21.100.10	2021-10
ISO/TS 19807-2	Nanotechnologies – Magnetic nanomaterials – Part 2: Specification of characteristics and measurement methods for nanostructured magnetic beads for nucleic acid extraction	07.120	2021-10
ISO 19916-3	Glass in building – Vacuum insulating glass – Part 3: Test methods for evaluation of performance under temperature differences	81.040.20	2021-10
ISO/TR 20078-4	Road vehicles – Extended vehicle (ExVe) web services – Part 4: Control	43.040.15	2021-10
ISO 20344	Personal protective equipment – Test methods for footwear	13.340.50	2021-10
ISO 20730-3	Road vehicles – Vehicle interface for electronic Periodic Technical Inspection (ePTI) – Part 3: Data definitions	43.180	2021-10
ISO/TS 20791-2	Photography – Photographic reflection prints – Part 2: Evaluation of colour variation in printing	37.040.20	2021-10
ISO 20932-1 AMD 1	Textiles – Determination of the elasticity of fabrics – Part 1: Strip tests; Amendment 1	59.080.30	2021-10

Oznaka norme	Naslov norme	ICS	Datum objave
ISO 21003-3 AMD 1	Multilayer piping systems for hot and cold water installations inside buildings – Part 3: Fittings; Amendment 1	23.040.45; 91.140.60	2021-10
ISO 21111-10	Road vehicles – In-vehicle Ethernet – Part 10: Transport layer and network layer conformance test plans	43.040.10	2021-10
ISO/TS 21596	Solid biofuels – Determination of grindability – Hardgrove type method for thermally treated biomass fuels	75.160.40	2021-10
ISO 21795-1	Mine closure and reclamation planning – Part 1: Requirements	73.020	2021-10
ISO 21795-2	Mine closure and reclamation planning – Part 2: Guidance	73.020	2021-10
ISO/TS 22107	Dispersibility of solid particles into a liquid	19.120	2021-10
ISO 22391-3 AMD 2	Plastics piping systems for hot and cold water installations – Polyethylene of raised temperature resistance (PE-RT) – Part 3: Fittings; Amendment 2	23.040.45; 91.140.60; 93.025	2021-10
ISO 22467	Traditional Chinese medicine – Determination of microorganisms in natural products	11.120.10	2021-10
ISO 22475-1	Geotechnical investigation and testing – Sampling methods and groundwater measurements – Part 1: Technical principles for the sampling of soil, rock and groundwater	93.020	2021-10
ISO 22496	Windows and pedestrian doors – Vocabulary	01.040.91; 91.060.50	2021-10
ISO 22685	Refractory products – Determination of compressive strength at elevated temperature	81.080	2021-10
ISO/TS 22690	Genomics informatics – Reliability assessment criteria for high-throughput gene-expression data	35.240.80	2021-10
ISO/TS 22703	Health informatics – Requirements for medication safety alerts	35.240.80	2021-10
ISO 22752	Railway applications – Bodyside windows for rolling stock	45.060.01	2021-10
ISO 22949-1	Molecular biomarker analysis – Methods of analysis for the detection and identification of animal species in food and feed products (nucleotide sequencing-based methods) – Part 1: General requirements	67.050	2021-10
ISO/TR 23016-3	Fine bubble technology – Agricultural applications – Part 3: Guidelines for the minimum viable number concentration of ultrafine bubbles for promoting the germination of barley seeds	07.030; 65.020.20	2021-10
ISO/TR 23076	Ergonomics – Recovery model for cyclical industrial work	13.180	2021-10
ISO/TS 23105	Biotechnology – Biobanking – Requirements for the biobanking of plant biological material for research and development	07.080	2021-10
ISO 23247-1	Automation systems and integration – Digital twin framework for manufacturing – Part 1: Overview and general principles	25.040.40; 35.240.50	2021-10
ISO 23247-2	Automation systems and integration – Digital twin framework for manufacturing – Part 2: Reference architecture	25.040.40; 35.240.50	2021-10
ISO 23247-3	Automation systems and integration – Digital twin framework for manufacturing – Part 3: Digital representation of manufacturing elements	25.040.40; 35.240.50	2021-10
ISO 23247-4	Automation systems and integration – Digital twin framework for manufacturing – Part 4: Information exchange	25.040.40; 35.240.50	2021-10

Oznaka norme	Naslov norme	ICS	Datum objave
ISO 23400	Guidelines for the determination of organic carbon and nitrogen stocks and their variations in mineral soils at field scale	13.080.01	2021-10
ISO/TS 23565	Biotechnology – Bioprocessing – General requirements and considerations for equipment systems used in the manufacturing of cells for therapeutic use	07.080	2021-10
ISO/TS 23650	Nanotechnologies – Evaluation of the antimicrobial performance of textiles containing manufactured nanomaterials	07.120	2021-10
ISO 23664	Traceability of rare earths in the supply chain from mine to separated products	73.020	2021-10
ISO 23826	Gas cylinders – Ball valves – Specification and testing	23.020.35	2021-10
ISO 23972	Traditional Chinese medicine – Zingiber officinale rhizome	11.120.10	2021-10
ISO 24045	Ships and marine technology – Adjustable roller-type chain stoppers	47.020.50	2021-10
ISO 24059	Ships and marine technology – Anchor chain releasers	47.020.50	2021-10
ISO 24061	Ships and marine technology – High holding power balance anchors	47.020.50	2021-10
ISO 24366	Financial services – Natural person identifier (NPI)	03.060	2021-10
ISO 24449	Metallic and other inorganic coatings – Determination of thermal conductivity of thermal barrier coatings at elevated temperature	25.220.20	2021-10
ISO 24459	Determination of uranium content in samples coming from the nuclear fuel cycle by L-absorption edge spectrometry	27.120.30	2021-10
ISO/TR 24463	Digital validation by effective use of simulation	25.040.40	2021-10
ISO 24669	Water-absorbent polyacrylate in urine absorbing products – Requirements	11.180.20	2021-10
ISO 24673	Concentrated date juice – Specifications and test methods	67.160.20	2021-10
ISO 25518	Single-use rubber gloves for general applications – Specification	83.140.99	2021-10
ISO 27789	Health informatics – Audit trails for electronic health records	35.240.80	2021-10
ISO/TR 27877	Statistical analysis for evaluating the precision of binary measurement methods and their results	03.120.30	2021-10
ISO 37106	Sustainable cities and communities – Guidance on establishing smart city operating models for sustainable communities	13.020.20	2021-10
ISO 44004	Collaborative business relationship management – Guidelines for large organizations seeking collaboration with micro, small and medium-sized enterprises (MSMEs)	03.100.01	2021-10

## Međunarodna normizacija (IEC)

Oznaka norme	Naslov norme	ICS	Datum objave
CISPR/TR 16-4-5 AMD 2	Specification for radio disturbance and immunity measuring apparatus and methods – Part 4-5: Uncertainties, statistics and limit modelling – Conditions for the use of alternative test methods; Amendment 2	33.100.10; 33.100.20	2021-10
CISPR/TR 16-4-5 Edition 1.2	Specification for radio disturbance and immunity measuring apparatus and methods – Part 4-5: Uncertainties, statistics and limit modelling – Conditions for the use of alternative test methods	33.100.10; 33.100.20	2021-10
IEC 60034-9	Rotating electrical machines – Part 9: Noise limits	17.140.20; 29.160.01	2021-10
IEC 60092-503	Electrical installations in ships – Part 503: Special features – AC supply systems with voltages in the range of above 1 kV up to and including 36 kV	47.020.60	2021-10
IEC/TR 60286-3-3	Packaging of components for automatic handling – Part 3-3: Packaging of surface mount components on continuous paper tapes for Auto Loading Feeder	31.020; 31.240; 55.060	2021-10
IEC/TR 60286-3-4	Packaging of components for automatic handling – Part 3-4: Packaging of surface mount components on continuous embossed tapes for Auto Loading Feeder	31.020; 31.240; 55.060	2021-10
IEC 60695-2-10	Fire hazard testing – Part 2-10: Glowing/hot-wire based test methods – Glow-wire apparatus and common test procedure	13.220.40; 29.020	2021-10
IEC 60695-2-11	Fire hazard testing – Part 2-11: Glowing/hot-wire based test methods – Glow-wire flammability test method for end products (GWEPT)	13.220.40; 29.020	2021-10
IEC 60695-2-12	Fire hazard testing – Part 2-12: Glowing/hot-wire based test methods – Glow-wire flammability index (GWFI) test method for materials	13.220.40; 29.020	2021-10
IEC 60695-5-1	Fire hazard testing – Part 5-1: Corrosion damage effects of fire effluent – General guidance	13.220.40; 29.020	2021-10
IEC 60695-7-2	Fire hazard testing – Part 7-2: Toxicity of fire effluent – Summary and relevance of test methods	13.220.40; 29.020	2021-10
IEC 60730-2-8 AMD 1	Automatic electrical controls – Part 2-8: Particular requirements for electrically operated water valves, including mechanical requirements; ; Amendment 1	97.120	2021-10
IEC 60730-2-8 Edition 3.1	Automatic electrical controls – Part 2-8: Particular requirements for electrically operated water valves, including mechanical requirements	97.120	2021-10
IEC 60730-2-14 AMD 2	Automatic electrical controls – Part 2-14: Particular requirements for electric actuators; Amendment 2	29.120.01; 97.120	2021-10
IEC 60730-2-14 Edition 2.2	Automatic electrical controls – Part 2-14: Particular requirements for electric actuators	29.120.01; 97.120	2021-10
IEC/TR 60747-5-12	Semiconductor devices – Part 5-12: Optoelectronic devices – Light emitting diodes – Test method of LED efficiencies	31.080.99; 31.260	2021-10
IEC 60884-3-1	Plugs and socket-outlets for household and similar purposes – Part 3-1: Particular requirements for socket-outlets incorporating USB power supply	29.120.30	2021-10
IEC 60891	Photovoltaic devices – Procedures for temperature and irradiance corrections to measured I-V characteristics	27.160	2021-10
IEC/TR 60919-3 AMD 2	Performance of high-voltage direct current (HVDC) systems with line-commutated converters – Part 3: Dynamic conditions; Amendment 2	29.200; 29.240.30; 29.240.99	2021-10
IEC/TR 60919-3 Edition 2.2	Performance of high-voltage direct current (HVDC) systems with line-commutated converters – Part 3: Dynamic conditions	29.200; 29.240.30; 29.240.99	2021-10



Oznaka norme	Naslov norme	ICS	Datum objave
IEC 60947-3 Corrigendum 1	Low-voltage switchgear and controlgear – Part 3: Switches, disconnectors, switch-disconnectors and fuse-combination units; Corrigendum 1	29.130.20	2021-10
IEC 61375-2-8	Electronic railway equipment – Train communication network (TCN) – Part 2-8: TCN conformance test	35.240.60; 45.060.01	2021-10
IEC 61753-131-03	Fibre optic interconnecting devices and passive components – Performance standard – Part 131-03: Single-mode mechanical fibre splice for category OP – Outdoor protected environment	33.180.20	2021-10
IEC 61788-22-2	Superconductivity – Part 22-2: Normal state resistance and critical current measurement – High-Tc Josephson junction	29.050	2021-10
IEC 61850-7-420	Communication networks and systems for power utility automation – Part 7-420: Basic communication structure – Distributed energy resources and distribution automation logical nodes	33.040.40; 33.200	2021-10
IEC 61914	Cable cleats for electrical installations	29.120.10; 29.120.20	2021-10
IEC 61954	Static VAR compensators (SVC) – Testing of thyristor valves	29.240.99; 31.080.20	2021-10
IEC 61970-452	Energy management system application program interface (EMS-API) – Part 452: CIM static transmission network model profiles	33.200; 35.240.50	2021-10
IEC 62044-3 Corrigendum 1	Cores made of soft magnetic materials – Measuring methods – Part 3: Magnetic properties at high excitation level; Corrigendum 1	17.220.20; 29.100.10	2021-10
IEC 62271-1 AMD 1	High-voltage switchgear and controlgear – Part 1: Common specifications for alternating current switchgear and controlgear; Amendment 1	29.130.10; 29.130.99	2021-10
IEC 62271-1 Edition 2.1	High-voltage switchgear and controlgear – Part 1: Common specifications for alternating current switchgear and controlgear	29.130.10; 29.130.99	2021-10
IEC 62271-101 Corrigendum 1	High-voltage switchgear and controlgear – Part 101: Synthetic testing; Corrigendum 1	29.130.10	2021-10
IEC/TS 62607-6-6	Nanomanufacturing – Key control characteristics – Part 6-6: Graphene – Strain uniformity: Raman spectroscopy	07.120	2021-10
IEC/TS 62607-6-10	Nanomanufacturing – Key control characteristics – Part 6-10: Graphene-based material – Sheet resistance: Terahertz time-domain spectroscopy	07.120	2021-10
IEC/TS 62607-6-19	Nanomanufacturing – Key control characteristics – Part 6-19: Graphene-based material – Elemental composition: CS analyser, ONH analyser	07.120	2021-10
IEC/TS 62607-9-1	Nanomanufacturing – Key control characteristics – Part 9-1: Traceable spatially resolved nano-scale stray magnetic field measurements – Magnetic force microscopy	07.120	2021-10
IEC 62830-8	Semiconductor devices – Semiconductor devices for energy harvesting and generation – Part 8: Test and evaluation methods of flexible and stretchable supercapacitors for use in low power electronics	31.080.01; 31.080.99	2021-10
IEC 62868-2-3	Organic light emitting diode (OLED) light sources for general lighting – Safety – Part 2-3: Particular requirements – Flexible OLED tiles and panels	29.140.99; 31.260	2021-10
IEC 62885-2	Surface cleaning appliances – Part 2: Dry vacuum cleaners for household or similar use – Methods for measuring the performance	97.080	2021-10

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IEC 62899-201-2	Printed electronics – Part 201-2: Materials – Substrates – Measurement methods for properties of stretchable substrates	29.035.01; 31.180	2021-10
IEC 62899-202-4	Printed electronics – Part 202-4: Materials – Conductive ink – Measurement methods for properties of stretchable printed layers (conductive and insulating)	31.180; 87.080	2021-10
IEC 62976 AMD 1	Industrial non-destructive testing equipment – Electron linear accelerator; Amendment 1	19.100	2021-10
IEC 62976 Edition 1.1	Industrial non-destructive testing equipment – Electron linear accelerator	19.100; 27.120.01	2021-10
IEC 62999 AMD 1	Electric room heating – Underfloor heating – Performance characteristics – Definitions, method of testing, sizing and formula symbols; Amendment 1	97.100.10	2021-10
IEC 62999 Edition 1.1	Electric room heating – Underfloor heating – Performance characteristics – Definitions, method of testing, sizing and formula symbols	97.100.10	2021-10
IEC 63013 AMD 1	LED packages – Long-term luminous and radiant flux maintenance projection; Amendment 1	29.140.99	2021-10
IEC 63013 Edition 1.1	LED packages – Long-term luminous and radiant flux maintenance projection	29.140.99	2021-10
IEC/TS 63042-202	UHV AC transmission systems – Part 202: UHV AC Transmission line design	29.240.20	2021-10
IEC/TS 63042-302	UHV AC transmission systems – Part 302: Commissioning	29.240.01; 29.240.10	2021-10
IEC/TS 63116	Lighting systems – General requirements	29.140.01; 29.140.50; 91.160.01	2021-10
IEC/TS 63117	General requirements for lighting systems – Safety	13.120; 29.140.50; 91.160.01	2021-10
IEC 63159-1	Household electric instantaneous water heaters – Methods for measuring the performance – Part 1: General aspects	91.140.65	2021-10
IEC 63159-2-1	Household electric instantaneous water heaters – Methods for measuring the performance – Part 2-1: Multifunctional electric instantaneous water heaters	91.140.65	2021-10
IEC 63159-2-2	Household electric instantaneous water heaters – Methods for measuring the performance – Part 2-2: Efficiency of single point of use electric instantaneous water heaters	91.140.65	2021-10
IEC 63171-6	Connectors for electrical and electronic equipment – Part 6: Detail specification for 2-way and 4-way (data/power), shielded, free and fixed connectors for power and data transmission with frequencies up to 600 MHz	31.220.10	2021-10
IEC 80601-2-26 Corrigendum 1	Medical electrical equipment – Part 2-26: Particular requirements for the basic safety and essential performance of electroencephalographs; Corrigendum 1	11.040.55	2021-10
ISO/IEC 11770-3	Information security – Key management – Part 3: Mechanisms using asymmetric techniques	35.030	2021-10
ISO/IEC 15444-4	Information technology – JPEG 2000 image coding system – Part 4: Conformance Testing	35.040.30	2021-10
ISO/IEC 15444-5	Information technology – JPEG 2000 image coding system – Part 5: Reference software	35.040.30	2021-10
ISO/IEC 18181-2	Information technology – JPEG XL image coding system – Part 2: File format	35.040.30	2021-10
ISO/IEC 19794-7	Information technology – Biometric data interchange formats – Part 7: Signature/sign time series data	35.240.15	2021-10

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ISO/IEC 21472	Information technology – Scenario evaluation methodology for user interaction influence in biometric system performance	35.240.15	2021-10
ISO/IEC 22237-1	Information technology – Data centre facilities and infrastructures – Part 1: General concepts	35.020	2021-10
ISO/IEC 22237-3	Information technology – Data centre facilities and infrastructures – Part 3: Power distribution	35.020	2021-10
ISO/IEC 22237-4	Information technology – Data centre facilities and infrastructures – Part 4: Environmental control	35.020	2021-10
ISO/IEC 23001-14 AMD 1	Information technology – MPEG systems technologies – Part 14: Partial file format – Amendment 1: Support for HTTP entities, enhanced file type and byte-range priorities	35.040.40	2021-10
ISO/IEC 23008-6	Information technology – High efficiency coding and media delivery in heterogeneous environments – Part 6: 3D audio reference software	35.040.40	2021-10
ISO/IEC 23090-17	Information technology – Coded representation of immersive media – Part 17: Reference software and conformance for omnidirectional media format (OMAF)	35.040.40	2021-10
ISO/IEC 23091-2	Information technology – Coding-independent code points – Part 2: Video	35.040.40	2021-10
ISO/IEC 23360-1-1	Linux Standard Base (LSB) – Part 1-1: Common definitions	35.080	2021-10
ISO/IEC 23360-1-2	Linux Standard Base (LSB) – Part 1-2: Core specification generic part	35.080	2021-10
ISO/IEC 23360-1-3	Linux Standard Base (LSB) – Part 1-3: Desktop specification generic part	35.080	2021-10
ISO/IEC 23360-1-4	Linux Standard Base (LSB) – Part 1-4: Languages specification	35.080	2021-10
ISO/IEC 23360-1-5	Linux Standard Base (LSB) – Part 1-5: Imaging specification	35.080	2021-10
ISO/IEC TS 23360-1-6	Linux Standard Base (LSB) – Part 1-6: Graphics and Gtk3 specification	35.080	2021-10
ISO/IEC 23360-2-2	Linux Standard Base (LSB) – Part 2-2: Core specification for X86-32 architecture	35.080	2021-10
ISO/IEC 23360-2-3	Linux Standard Base (LSB) – Part 2-3: Desktop specification for X86-32 architecture	35.080	2021-10
ISO/IEC 23360-3-2	Linux Standard Base (LSB) – Part 3-2: Core specification for IA64 (ItaniumT) architecture	35.080	2021-10
ISO/IEC 23360-3-3	Linux Standard Base (LSB) – Part 3-3: Desktop specification for IA64 (Itanium TM) architecture	35.080	2021-10
ISO/IEC 23360-4-2	Linux Standard Base (LSB) – Part 4-2: Core specification for AMD64 (X86-64) architecture	35.080	2021-10
ISO/IEC 23360-4-3	Linux Standard Base (LSB) – Part 4-3: Desktop specification for AMD64 (X86-64) architecture	35.080	2021-10
ISO/IEC 23360-5-2	Linux Standard Base (LSB) – Part 5-2: Core specification for PowerPC 32 architecture	35.080	2021-10
ISO/IEC 23360-5-3	Linux Standard Base (LSB) – Part 5-3: Desktop specification for PowerPC 32 architecture	35.080	2021-10
ISO/IEC 23360-6-2	Linux Standard Base (LSB) – Part 6-2: Core specification for PowerPC 64 architecture	35.080	2021-10
ISO/IEC 23360-6-3	Linux Standard Base (LSB) – Part 6-3: Desktop specification for PowerPC 64 architecture	35.080	2021-10
ISO/IEC 23360-7-2	Linux Standard Base (LSB) – Part 7-2: Core specification for S390 architecture	35.080	2021-10

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ISO/IEC 23360-7-3	Linux Standard Base (LSB) – Part 7-3: Desktop specification for S390 architecture	35.080	2021-10
ISO/IEC 23360-8-2	Linux Standard Base (LSB) – Part 8-2: Core specification for S390X architecture	35.080	2021-10
ISO/IEC 23360-8-3	Linux Standard Base (LSB) – Part 8-3: Desktop specification for S390X architecture	35.080	2021-10
ISO/IEC 23510	Information technology – 3D printing and scanning – Framework for an Additive Manufacturing Service Platform (AMSP)	25.030; 35.020	2021-10
ISO/IEC TS 23619	Information technology – C++ extensions for reflection	35.060	2021-10
ISO/IEC TR 24587	Software and systems engineering – Agile development – Agile adoption considerations	35.080	2021-10
ISO/IEC 27555	Information security, cybersecurity and privacy protection – Guidelines on personally identifiable information deletion	35.030	2021-10
ISO/IEC 28360-1	Information technology – Determination of chemical emission rates from electronic equipment – Part 1: Using consumables	37.100.10	2021-10
ISO/IEC TS 30105-6	Information technology – IT Enabled Services-Business Process Outsourcing (ITES-BPO) lifecycle processes – Part 6: Guidelines on risk management	35.020	2021-10
ISO/IEC 30118-1	Information technology – Open Connectivity Foundation (OCF) Specification – Part 1: Core specification	35.200	2021-10
ISO/IEC 30118-2	Information technology – Open Connectivity Foundation (OCF) Specification – Part 2: Security specification	35.200	2021-10
ISO/IEC 30118-3	Information technology – Open Connectivity Foundation (OCF) Specification – Part 3: Bridging specification	35.200	2021-10
ISO/IEC 30118-4	Information technology – Open Connectivity Foundation (OCF) Specification – Part 4: Resource type specification	35.200	2021-10
ISO/IEC 30118-5	Information technology – Open Connectivity Foundation (OCF) Specification – Part 5: OCF device specification	35.200	2021-10
ISO/IEC 30118-6	Information technology – Open Connectivity Foundation (OCF) Specification – Part 6: Resource to AllJoyn interface mapping specification	35.200	2021-10
ISO/IEC 30118-7	Information Technology – Open Connectivity Foundation (OCF) Specification – Part 7: Wi-Fi easy setup specification	35.200	2021-10
ISO/IEC 30118-8	Information technology – Open Connectivity Foundation (OCF) Specification – Part 8: OCF resource to oneM2M resource mapping specification	35.200	2021-10
ISO/IEC 30118-9	Information technology – Open Connectivity Foundation (OCF) Specification – Part 9: Core optional specification	35.200	2021-10
ISO/IEC 30118-10	Information technology – Open Connectivity Foundation (OCF) Specification – Part 10: Cloud API for cloud services specification	35.200	2021-10
ISO/IEC 30118-11	Information technology – Open Connectivity Foundation (OCF) Specification – Part 11: Device to cloud services specification	35.200	2021-10
ISO/IEC 30118-12	Information technology – Open Connectivity Foundation (OCF) Specification – Part 12: Cloud security specification	35.200	2021-10



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ISO/IEC 30118-13	Information technology – Open Connectivity Foundation (OCF) Specification – Part 13: Onboarding tool specification	35.200	2021-10
ISO/IEC 30118-14	Information technology – Open Connectivity Foundation (OCF) Specification – Part 14: OCF resource to BLE mapping specification	35.200	2021-10
ISO/IEC 30118-15	Information technology – Open Connectivity Foundation (OCF) Specification – Part 15: OCF resource to EnOcean mapping specification	35.200	2021-10
ISO/IEC 30118-16	Information technology – Open Connectivity Foundation (OCF) Specification – Part 16: OCF resource to UPlus mapping specification	35.200	2021-10
ISO/IEC 30118-17	Information technology – Open Connectivity Foundation (OCF) Specification – Part 17: OCF resource to Zigbee cluster mapping specification	35.200	2021-10
ISO/IEC 30118-18	Information technology – Open Connectivity Foundation (OCF) Specification – Part 18: OCF resource to Z-wave mapping specification	35.200	2021-10