

# 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 nacрте 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 8, Brodogradnja

HRN EN ISO 8848:2022 en pr  
Mala plovila – Mehanički sustavi daljinskog kormilarenja (ISO 8848:2022; EN ISO 8848:2022)  
Small craft – Remote mechanical steering systems (ISO 8848:2022; EN ISO 8848:2022)

HRN EN ISO 10592:2022 en pr  
Mala plovila – Hidraulički kormilarski sustav (ISO 10592:2022; EN ISO 10592:2022)  
Small craft – Hydraulic steering systems (ISO 10592:2022; EN ISO 10592:2022)

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

HRN EN 12916:2022 en pr  
Naftni proizvodi – Određivanje tipova aromatskih ugljikovodika u srednjim destilatima – Metoda tekućinske kromatografije visokog učinka uz određivanje indeksa loma (EN 12916:2019+A1:2022)  
Petroleum products – Determination of aromatic hydrocarbon types in middle distillates – High performance liquid chromatography method with refractive index detection (EN 12916:2019+A1:2022)

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

HRN ISO 771:2022 en pr  
Uljanje pogače i sačme – Određivanje udjela vode i hlapljivih tvari (ISO 771:2021)  
Oilseed meals – Determination of moisture and volatile matter content (ISO 771:2021)

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

HRN EN ISO 17636-1:2022 en pr  
Nerazorno ispitivanje zavara – Radiografsko ispitivanje – 1. dio: Tehnike snimanja rendgenom i izotopom primjenom filma (ISO 17636-1:2022; EN ISO 17636-1:2022)  
Non-destructive testing of welds – Radiographic testing – Part 1: X- and gamma-ray techniques with film (ISO 17636-1:2022; EN ISO 17636-1:2022)

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

HRN EN 12102-1:2022 en pr  
Klimatizacijski uređaji, rashladnici kapljevina, dizalice topline, procesni rashladnici i odvlaživači s kompresorima na električni pogon – Određivanje razine zvučne snage – 1. dio: Klimatizacijski uređaji, rashladnici kapljevina, dizalice topline za grijanje i hlađenje prostora, odvlaživači i procesni rashladnici (EN 12102-1:2022)  
Air conditioners, liquid chilling packages, heat pumps, process chillers and dehumidifiers with electrically driven compressors – Determination of the sound power level – Part 1: Air conditioners, liquid chilling packages, heat pumps for space heating and cooling, dehumidifiers and process chillers (EN 12102-1:2022)

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

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

### HZN/TO 89, Furniri i drvene ploče

HRN EN 12369-3:2022 en pr  
Ploče na osnovi drva – Karakteristične vrijednosti za projektiranje konstrukcija – 3. dio: Ploče od masivnoga drva (EN 12369-3:2022)  
Wood-based panels – Characteristic values for structural design – Part 3: Solid wood panels (EN 12369-3:2022)

HRN EN 13353:2022 en pr  
Ploče iz masivnog drva (SWP) – Zahtjevi (EN 13353:2022)  
Solid wood panels (SWP) – Requirements (EN 13353:2022)

### HZN/TO 120, Koža i obuća

HRN EN 13336:2022 en pr  
Koža – Značajke kože za presvlake – Upute za odabir kože za namještaj (EN 13336:2022)  
Leather – Upholstery leather characteristics – Guide for selection of leather for furniture (EN 13336:2022)

HRN EN ISO 15701:2022 en pr  
Koža – Ispitivanja postojanosti obojenja – Postojanost obojenja na migraciju u polimerni materijal (ISO 15701:2022; EN ISO 15701:2022)  
Leather – Tests for colour fastness – Colour fastness to migration into polymeric material (ISO 15701:2022; EN ISO 15701:2022)

HRN EN 16223-1:2022 en pr  
Koža – Zahtjevi za označavanje i opis kože za presvlake i unutrašnjost automobila – 1. dio: Primjena presvlaka (EN 16223-1:2022)  
Leather – Requirements for the designation and description of leather in upholstery and automotive interior applications – Part 1: upholstery applications (EN 16223-1:2022)

HRN EN 16223-2:2022 en pr  
Koža – Zahtjevi za označavanje i opis kože za presvlake i unutrašnjost automobila – 2. dio: Primjena u unutrašnjosti automobila (EN 16223-2:2022)  
Leather – Requirements for the designation and description of leather in upholstery and automotive interior applications – Part 2: Automotive interior applications (EN 16223-2:2022)

HRN EN 17651:2022 en pr  
Koža – Opis, označavanje i obilježavanje proizvoda od kože (EN 17651:2022)  
Leather – Description, labelling and marking of leather goods (EN 17651:2022)

HRN EN ISO 20535:2022 en pr  
Obuća – Metoda ispitivanja za uloške i unutarnje potplate – Promjena dimenzija nakon ciklusa vlaženja i sušenja (ISO 20535:2019; EN ISO 20535:2022)  
Footwear – Test method for insoles and insocks – Dimensional change after cycle of wetting and drying (ISO 20535:2019; EN ISO 20535:2022)

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

HRN EN ISO 16628:2022 en pr  
Anestetička i respiracijska oprema – Traheobronhijalne cijevi (ISO 16628:2022; EN ISO 16628:2022)  
Anaesthetic and respiratory equipment – Tracheobronchial tubes (ISO 16628:2022; EN ISO 16628:2022)

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

HRI CEN/TR 14539:2022 en pr  
Jednostavna mineralna gnojiva amonijeva nitrata – Usporedna studija određivanja poroznosti (apsorpcije ulja) (CEN/TR 14539:2021)  
Straight ammonium nitrate fertilizers – Comparative study on the determination of porosity (oil retention) (CEN/TR 14539:2021)

## HZN/TO 136, *Namještaj*

HRS CEN/TS 16209:2022 en pr  
Namještaj – Razredba svojstava za površine namještaja (CEN/TS 16209:2022)  
Furniture – Classification for properties for furniture surfaces (CEN/TS 16209:2022)

## HZN/TO 172, *Optika i optički instrumenti*

HRN EN ISO 8980-3:2022 en pr  
Oftalmološka optika – Neoblikovane gotove naočalne leće – 3. dio: Specifikacije transmancije i metode ispitivanja (ISO 8980-3:2022; EN ISO 8980-3:2022)  
Ophthalmic optics – Uncut finished spectacle lenses – Part 3: Transmittance specifications and test methods (ISO 8980-3:2022; EN ISO 8980-3:2022)

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

HRN EN 81-70:2022 en pr  
Sigurnosna pravila za konstrukciju i ugradnju dizala – Posebna primjena za osobna dizala i osobna teretna dizala – 70. dio: Pristupačnost dizalima za osobe s posebnim potrebama (EN 81-70:2021+A1:2022)  
Safety rules for the construction and installation of lifts – Particular applications for passenger and goods passenger lift – Part 70: Accessibility to lifts for persons including persons with disability (EN 81-70:2021+A1:2022)

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

HRI CEN/TR 16411:2022 en pr  
Proizvodi za dojenčad i malu djecu – Kompilacija tumačenja norma iz područja rada CEN/TC 252 (CEN/TR 16411:2022)  
Child care articles – Compiled interpretations of CEN/TC 252 standards (CEN/TR 16411:2022)

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

HRN EN ISO 19105:2022 en pr  
Geoinformacije – Usklađivanje i provjera (ISO 19105:2022; EN ISO 19105:2022)  
Geographic information – Conformance and testing (ISO 19105:2022; EN ISO 19105:2022)

## HZN/TO 503, *Metalni materijali*

HRN EN 12392:2022 en pr  
Aluminij i aluminijeve legure – Gnječeni proizvodi i lijevani proizvodi – Posebni zahtjevi za proizvode za izradu tlačne opreme (EN 12392:2016+A1:2022)  
Aluminium and aluminium alloys – Wrought products and cast products – Special requirements for products intended for the production of pressure equipment (EN 12392:2016+A1:2022)

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

HRN EN 17649:2022 en pr  
Plinska infrastruktura – Sustav upravljanja sigurnošću (SMS) i sustav upravljanja cjelovitošću sustava cjevovoda (PIMS) – Funkcionalni zahtjevi (EN 17649:2022)  
Gas infrastructure – Safety Management System (SMS) and Pipeline Integrity Management System (PIMS) – Functional requirements (EN 17649:2022)

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

HRN EN ISO 19901-2:2022 en pr  
Industrija nafte i prirodnoga plina – Posebni zahtjevi za odobalne konstrukcije – 2. dio: Postupci i kriteriji projektiranja konstrukcija otpornih na potrese (ISO 19901-2:2022; EN ISO 19901-2:2022)  
Petroleum and natural gas industries – Specific requirements for offshore structures – Part 2: Seismic design procedures and criteria (ISO 19901-2:2022; EN ISO 19901-2:2022)

## HZN/TO 521, *Usluge održavanja*

HRN EN ISO 41018:2022 en pr  
Upravljanje objektima (Facility management) – Razvoj politike upravljanja objektima (Facility management) (ISO 41018:2022; EN ISO 41018:2022)  
Facility management – Development of a facility management policy (ISO 41018:2022; EN ISO 41018:2022)

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

HRN EN 15531-1:2022 en pr  
Javni prijevoz – Sučelje servisa za informiranje o statusu javnoga prijevoza u realnom vremenu – 1. dio: Okruženje i okvir (EN 15531-1:2022)  
Public transport – Service interface for real-time information relating to public transport operations – Part 1: Context and framework (EN 15531-1:2022)

HRN EN 15531-3:2022 en pr  
Javni prijevoz – Sučelje servisa za informiranje o statusu javnoga prijevoza u realnom vremenu – 3. dio: Funkcionalna sučelja servisa (EN 15531-3:2022)  
Public transport – Service interface for real-time information relating to public transport operations – Part 3: Functional service interfaces (EN 15531-3:2022)

## HZN/TO 526, *Bitumenska veziva*

HRN EN 12847:2022 en pr  
Bitumen i bitumenska veziva – Određivanje sklonosti taloženju bitumenskih emulzija (EN 12847:2022)  
Bitumen and bituminous binders – Determination of settling tendency of bituminous emulsions (EN 12847:2022)

HRN EN 12850:2022 en pr  
Bitumen i bitumenska veziva – Određivanje pH vrijednosti bitumenskih emulzija (EN 12850:2022)  
Bitumen and bituminous binders – Determination of the pH value of bituminous emulsions (EN 12850:2022)

HRN EN 17643:2022 en pr  
Bitumen i bitumenska veziva – Određivanje temperature modula jednakog smicanja pomoću dinamičkog reometra sa smicanjem (DSR) – BTSV test (EN 17643:2022)  
Bitumen and bituminous binders – Determination of equi-shear modulus temperature and phase angle using a Dynamic Shear Rheometer (DSR) – BTSV test (EN 17643:2022)

## HZN/TO 528, *Oprema za željeznice*

HRN EN 13481-2:2022 en pr  
Željeznički sustav – Željeznički gornji ustroj – Zahtjevi za izvedbu kolosiječnoga pričvrstnog pribora – 2. dio: Kolosiječni pričvrstni pribor za betonske pragove u zastoru (EN 13481-2:2022)  
Railway Applications – Track – Performance Requirements for Fastening Systems – Part 2: Fastening systems for concrete sleepers in ballast (EN 13481-2:2022)

HRN EN 13481-3:2022 en pr  
Željeznički sustav – Željeznički gornji ustroj – Zahtjevi za izvedbu kolosiječnoga pričvrstnog pribora – 3. dio: Kolosiječni pričvrstni pribor za drvene i sintetičke polimerske pragove (EN 13481-3:2022)  
Railway Applications – Track – Performance Requirements for Fastening Systems – Part 3: Fastening systems for wood and polymeric composite sleepers (EN 13481-3:2022)

HRN EN 13481-4:2022 en pr  
Željeznički sustav – Željeznički gornji ustroj – Zahtjevi za izvedbu kolosiječnoga pričvrstnog pribora – 4. dio: Kolosiječni pričvrstni pribor za čelične pragove u zastoru (EN 13481-4:2022)  
Railway applications – Track – Performance requirements for fastening systems – Part 4: Fastening systems for steel sleepers in ballast (EN 13481-4:2022)

HRN EN 13481-5:2022 en pr  
Željeznički sustav – Željeznički gornji ustroj – Zahtjevi za izvedbu kolosiječnoga pričvrstnog pribora – 5. dio: Pričvrstni pribor za kolosiječne sustave na čvrstoj podlozi (EN 13481-5:2022)  
Railway Applications – Track – Performance requirements for fastening systems – Part 5: Fastening systems for ballastless track (EN 13481-5:2022)

HRN EN 13481-7:2022 en pr  
Željeznički sustav – Željeznički gornji ustroj – Zahtjevi za izvedbu kolosiječnoga pričvrstnog pribora – 7. dio: Kolosiječni pričvrstni pribor za skretnice i križišta, tračnice vodilice, izolacijske tračničke sastave i dilatacijske naprave (EN 13481-7:2022)  
Railway Applications – Track – Performance requirements for fastening systems – Part 7: Fastening systems for switches and crossings, check rails, insulated rail joints and rail expansion devices (EN 13481-7:2022)

HRN EN 14067-6:2022 en pr  
Željeznički sustav – Aerodinamika – 6. dio: Zahtjevi i postupci ispitivanja za udare bočnog vjetrova (EN 14067-6:2018+A1:2022)  
Railway applications – Aerodynamics – Part 6: Requirements and test procedures for cross wind assessment (EN 14067-6:2018+A1:2022)

HRN EN 16116-1:2022 en pr  
Željeznički sustav – Projektni zahtjevi za stepenice, rukohvate i prateće dodatke za osoblje – 1. dio: Putnička vozila, vozila za prtljagu i lokomotive (EN 16116-1:2022)  
Railway applications – Design requirements for steps, handrails and associated access for staff – Part 1: Passenger vehicles, vans and locomotives (EN 16116-1:2022)

HRN EN 17460:2022 en pr  
Željeznički sustav – Adhezivno lijepljenje željezničkih vozila i njihovih dijelova (EN 17460:2022)  
Railway applications – Adhesive bonding of rail vehicles and their components (EN 17460:2022)

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

HRN EN 528:2022 en pr  
Oprema regalnih uređaja na tračnicama – Sigurnosni zahtjevi (EN 528:2021+A1:2022)  
Rail dependent storage and retrieval equipment – Safety requirements for S/R machines (EN 528:2021+A1:2022)

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

HRN EN ISO 7622-2:2022 en pr  
Transportne trake s čeličnom užadi – Ispitivanje uzdužnim istezanjem – Mjerenje vlačne čvrstoće (ISO 7622-2:2022; EN ISO 7622-2:2022)  
Steel cord conveyor belts – Longitudinal traction test – Part 2: Measurement of tensile strength (ISO 7622-2:2022; EN ISO 7622-2:2022)

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

HRN EN ISO 1133-1:2022 en pr  
Plastika – Određivanje brzine masenog protoka taline (MFR) i volumne brzine taline (MVR) plastomera – 1. dio: Standardna metoda (ISO 1133-1:2022; EN ISO 1133-1:2022)  
Plastics – Determination of the melt mass-flow rate (MFR) and melt volume-flow rate (MVR) of thermoplastics – Part 1: Standard method (ISO 1133-1:2022; EN ISO 1133-1:2022)

HRN EN ISO 11403-2:2022 en pr  
Plastika – Prikupljanje i prikaz usporedivih podataka dobivenih iz više mjerenja u širem ispitnom području – 2. dio: Toplinska i preradbenja svojstva (ISO 11403-2:2022; EN ISO 11403-2:2022)  
Plastics – Acquisition and presentation of comparable multipoint data – Part 2: Thermal and processing properties (ISO 11403-2:2022; EN ISO 11403-2:2022)

HRN EN ISO 16396-2:2022 en pr  
Plastika – Poliamidni (PA) materijali za kalupljenje i ekstrudiranje – 2. dio: Priprema ispitaka i određivanje svojstava (ISO 16396-2:2022; EN ISO 16396-2:2022)  
Plastics – Polyamide (PA) moulding and extrusion materials – Part 2: Preparation of test specimens and determination of properties (ISO 16396-2:2022; EN ISO 16396-2:2022)

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

HRN EN 14885:2022 en pr  
Kemijski dezinficijensi i antiseptici – Primjena europskih norma za kemijske dezinficijense i antiseptike (EN 14885:2022)  
Chemical disinfectants and antiseptics – Application of European Standards for chemical disinfectants and antiseptics (EN 14885:2022)

HRN EN 16616:2022 en pr  
Kemijski dezinficijensi i antiseptici – Kemijsko-toplinska dezinfekcija tekstila – Metoda ispitivanja i zahtjevi (faza 2, korak 2) (EN 16616:2022)  
Chemical disinfectants and antiseptics – Chemical-thermal textile disinfection – Test method and requirements (phase 2, step 2) (EN 16616:2022)

HRN EN 17422:2022 en pr  
Kemijski dezinficijensi i antiseptici – Kvantitativni površinski test za procjenu sredstava za dezinfekciju sisa koja se upotrebljavaju u veterinarstvu – Metoda ispitivanja i zahtjevi (faza 2, korak 2) (EN 17422:2022)  
Chemical disinfectants and antiseptics – Quantitative surface test for the evaluation of teat disinfectants used in the veterinary area – Test method and requirements (phase 2 step 2) (EN 17422:2022)

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

HRN EN 17609:2022 en pr  
Sustavi automatizacije i upravljanja u zgradama – Aplikacije za upravljanje (EN 17609:2022)  
Building automation and control systems – Control applications (EN 17609:2022)

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

HRN EN ISO 4014:2022 en pr  
Spojni elementi – Vijci sa šesterokutnom glavom – Proizvod razreda A i B (ISO 4014:2022; EN ISO 4014:2022)  
Fasteners – Hexagon head bolts – Product grades A and B (ISO 4014:2022; EN ISO 4014:2022)

HRN EN ISO 4015:2022 en pr  
Spojni elementi – Vijci sa šesterokutnom glavom sa suženim strukom vijka (promjer struka približno jednak srednjemu promjeru navoja) – Proizvod razreda B (ISO 4015:2022; EN ISO 4015:2022)  
Fasteners – Hexagon head bolts with reduced shank (shank diameter ≈ pitch diameter) – Product grade B (ISO 4015:2022; EN ISO 4015:2022)

HRN EN ISO 4016:2022 en pr  
Spojni elementi – Vijci sa šesterokutnom glavom – Proizvod razreda C (ISO 4016:2022; EN ISO 4016:2022)  
Fasteners – Hexagon head bolts – Product grade C (ISO 4016:2022; EN ISO 4016:2022)

HRN EN ISO 4017:2022 en pr  
Spojni elementi – Vijci sa šesterokutnom glavom i navojem do glave – Proizvod razreda A i B (ISO 4017:2022; EN ISO 4017:2022)  
Fasteners – Hexagon head screws – Product grades A and B (ISO 4017:2022; EN ISO 4017:2022)

HRN EN ISO 4018:2022 en pr  
Spojni elementi – Vijci sa šesterokutnom glavom i navojem do glave – Proizvod razreda C (ISO 4018:2022; EN ISO 4018:2022)  
Fasteners – Hexagon head screws – Product grade C (ISO 4018:2022; EN ISO 4018:2022)

HRN EN ISO 8676:2022 en pr  
Spojni elementi – Vijci sa šesterokutnom glavom i finim metričkim navojem – Proizvod razreda A i B (ISO 8676:2022; EN ISO 8676:2022)  
Fasteners – Hexagon head screws, with fine pitch thread – Product grades A and B (ISO 8676:2022; EN ISO 8676:2022)

HRN EN ISO 8765:2022 en pr  
Spojni elementi – Vijci sa šesterokutnom glavom i finim metričkim navojem – Proizvod razreda A i B (ISO 8765:2022; EN ISO 8765:2022)  
Fasteners – Hexagon head bolts, with fine pitch thread – Product grades A and B (ISO 8765:2022; EN ISO 8765:2022)

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

HRN EN 17655:2022 en pr  
Očuvanje kulturne baštine – Određivanje vodoupojnosti metodom kontaktne spužve (EN 17655:2022)  
Conservation of cultural heritage – Determination of water absorption by contact sponge method (EN 17655:2022)

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

HRN EN 1491:2022 en pr  
Ventili u zgradama – Ekspanzijski ventili – Ispitivanja i zahtjevi  
(EN 1491:2022)  
Building valves – Expansion valves – Tests and requirements  
(EN 1491:2022)

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

HRN EN ISO 14644-8:2022 en pr  
Čisti prostori i odgovarajući kontrolirani okoliš – 8. dio:  
Razredba čistoće zraka prema kemijskoj koncentraciji  
(ISO 14644-8:2022; EN ISO 14644-8:2022)  
Cleanrooms and associated controlled environments  
– Part 8: Classification of air cleanliness by chemical  
concentration (ACC) (ISO 14644-8:2022; EN ISO 14644-8:2022)

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

HRN EN ISO 12312-1:2022 en pr  
Zaštita očiju i lica – Sunčane naočale i očna pomagala  
– 1. dio: Sunčane naočale za opću uporabu (ISO 12312-1:2022;  
EN ISO 12312-1:2022)  
Eye and face protection – Sunglasses and related eyewear  
– Part 1: Sunglasses for general use (ISO 12312-1:2022;  
EN ISO 12312-1:2022)

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

HRN EN 16779-2:2022 en pr  
Tekstilni proizvodi za njegu djeteta – Sigurnosni zahtjevi  
i metode ispitivanja popluna za dječji krevet – 2. dio:  
Prekrivači popluna (osim popluna) (EN 16779-2:2022)  
Textile child care articles – Safety requirements and test  
methods for children's cot duvets – Part 2: Duvet covers  
(excluding duvet) (EN 16779-2:2022)

HRN EN ISO 24584:2022 en pr  
Tekstil – Pametni tekstil – Metoda ispitivanja za površinsku  
otpornost vodljivog tekstila za beskontaktnu uporabu  
(ISO 24584:2022; EN ISO 24584:2022)  
Textiles – Smart textiles – Test method for sheet resistance of  
conductive textiles using non-contact type (ISO 24584:2022;  
EN ISO 24584:2022)

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

HRN EN 15776:2022 en pr  
Neložene posude pod tlakom – Zahtjevi za projektiranje i  
proizvodnju posuda pod tlakom i dijelova posuda pod tlakom  
izrađenih od željeznog lijeva s elongacijom (istezljivošću)  
nakon loma od 15 % ili manjom (EN 15776:2022)  
Unfired pressure vessels – Requirements for the design and  
fabrication of pressure vessels and pressure vessel parts  
constructed from cast iron with an elongation after fracture  
equal or less than 15 % (EN 15776:2022)

HRN EN 17613:2022 en pr  
Oprema i pribor za UNP – Kompozitni cjevovodi za upotrebu  
s UNP u tekućoj i parnoj fazi pod tlakom – Projektiranje i  
proizvodnja (EN 17613:2022)  
LPG equipment and accessories – Composite piping for use  
with LPG in liquid phase and vapour pressure phase – Design  
and manufacture (EN 17613:2022)

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

HRN EN ISO 28881:2022 en pr  
Alatni strojevi – Sigurnost – Strojevi za elektroeroziju  
(ISO 28881:2022; EN ISO 28881:2022)  
Machine tools – Safety – Electrical discharge machines  
(ISO 28881:2022; EN ISO 28881:2022)

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

HRN EN 12355:2022 en pr  
Strojevi za preradu hrane – Strojevi za odvajanje i ljuštenje  
kože i uklanjanje opne – Sigurnosni i higijenski zahtjevi  
(EN 12355:2022)  
Food processing machinery – Derinding-, skinning- and  
membrane removal machines – Safety and hygiene  
requirements (EN 12355:2022)

HRN EN 13732:2022 en pr  
Strojevi za preradu hrane – Hladnjaci za mlijeko u rinfuzi  
na farmama – Zahtjevi za izvedbu, sigurnost i higijenu  
(EN 13732:2022)  
Food processing machinery – Bulk milk coolers on farms  
– Requirements for performance, safety and hygiene  
(EN 13732:2022)

HRN EN 13885:2022 en pr  
Strojevi za preradu hrane – Strojevi za zatvaranje  
– Sigurnosni i higijenski zahtjevi (EN 13885:2022)  
Food processing machinery – Clipping machines – Safety  
and hygiene requirements (EN 13885:2022)

## **HZN/TO 566, Mlijeko i mliječni proizvodi**

HRN ISO 21543:2022 en pr  
Mlijeko i mliječni proizvodi – Smjernice za primjenu NIR  
spektrometrije (ISO 21543:2020)  
Milk and milk products – Guidelines for the application of near  
infrared spectrometry (ISO 21543:2020)

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

HRN EN 1186-2:2022 en pr  
Materijali i proizvodi u kontaktu s hranom – Plastika – 2. dio:  
Metode ispitivanja globalne migracije modelnom otopinom  
biljnog ulja (EN 1186-2:2022)  
Materials and articles in contact with foodstuffs – Plastics  
– Part 2: Test methods for overall migration in vegetable oils  
(EN 1186-2:2022)

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

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

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

HRN EN 17529:2022 en pr  
Tehnička i integrirana zaštita podataka (EN 17529:2022)  
Data protection and privacy by design and by default  
(EN 17529:2022)

HRN EN ISO/IEC 29101:2022 en pr  
Informacijska tehnologija – Sigurnosne tehnike – Okvir arhitekture  
privatnosti (ISO/IEC 29101:2018; EN ISO/IEC 29101:2021)  
Information technology – Security techniques – Privacy architecture  
framework (ISO/IEC 29101:2018; EN ISO/IEC 29101:2021)

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

HRN EN 50317:2013/A1:2022 en pr  
Željeznički sustav – Sustavi oduzimača struje  
– Zahtjevi za mjerenja i vrednovanje mjerenja dinamičkih  
međusobnih djelovanja pantografa i kontaktnog voda  
(EN 50317:2012/A1:2022)  
Railway applications – Current collection systems  
– Requirements for and validation of measurements of the  
dynamic interaction between pantograph and overhead  
contact line (EN 50317:2012/A1:2022)

HRN EN 50388-1:2022 en pr  
Željeznički sustav – Stabilna postrojenja i željeznička  
vozila – Tehnički kriteriji za koordinaciju između sustava  
napajanja električne vuče i željezničkih vozila radi postizanja  
interoperabilnosti – 1. dio: Općenito (EN 50388-1:2022)  
Railway Applications – Fixed installations and rolling stock  
– Technical criteria for the coordination between electric  
traction power supply systems and rolling stock to achieve  
interoperability – Part 1: General (EN 50388-1:2022)

## HZN/TO E17, Sklopni i upravljački uređaji

HRN EN IEC 62271-203:2022 en pr  
Visokonaponska sklopna aparatura – 203. dio: Plinom izolirana metalom oklopljena razvodna aparatura za nazivne napone iznad 52 kV (IEC 62271-203:2022; EN IEC 62271-203:2022)  
High-voltage switchgear and controlgear – Part 203: Gas-insulated metal-enclosed switchgear for rated voltages above 52 kV (IEC 62271-203:2022; EN IEC 62271-203:2022)

HRN EN IEC 62271-204:2022 en pr  
Visokonaponska sklopna aparatura – 204. dio: Visokonaponski plinom izolirani prijenosni vodovi za napone iznad 52 kV (IEC 62271-204:2022; EN IEC 62271-204:2022)  
High-voltage switchgear and controlgear – Part 204: Rigid gas-insulated transmission lines for rated voltage above 52 kV (IEC 62271-204:2022; EN IEC 62271-204:2022)

## HZN/TO E20, Električni kabeli

HRN EN 50397-2:2022 en pr  
Izolirani vodiči za nadzemne vodove i pripadajući pribor za nazivne izmjenične napone iznad 1 kV ali ne više od 36 kV – 2. dio: Pribor za izolirane vodiče – Ispitivanja i kriteriji prihvatljivosti (EN 50397-2:2022)  
Covered conductors for overhead lines and the related accessories for rated voltages above 1 kV a.c. and not exceeding 36 kV a.c. – Part 2: Accessories for covered conductors – Tests and acceptance criteria (EN 50397-2:2022)

HRN EN 50397-3:2022 en pr  
Izolirani vodiči za nadzemne vodove i pripadajući pribor za nazivne izmjenične napone iznad 1 kV ali ne više od 36 kV – 3. dio: Upute za primjenu (EN 50397-3:2022)  
Covered conductors for overhead lines and the related accessories for rated voltages above 1 kV a.c. and not exceeding 36 kV a.c. – Part 3: Guide to use (EN 50397-3:2022)

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

HRN EN 60061-1:2008/A63:2022 en pr  
Podnošci i grla za žarulje, granična mjerila za kontrolu zamjenjivosti i sigurnosti – 1. dio: Podnošci za žarulje (IEC 60061-1:1969/am63:2022; EN 60061-1:1993/A63:2022)  
Lamp caps and holders together with gauges for the control of interchangeability and safety – Part 1: Lamp caps (IEC 60061-1:1969/am63:2022; EN 60061-1:1993/A63:2022)

HRN EN 60061-2:2008/A58:2022 en pr  
Podnošci i grla za žarulje, granična mjerila za kontrolu zamjenjivosti i sigurnosti – 2. dio: Grla za žarulje (IEC 60061-2:1969/am58:2022; EN 60061-2:1993/A58:2022)  
Lamp caps and holders together with gauges for the control of interchangeability and safety – Part 2: Lampholders (IEC 60061-2:1969/am58:2022; EN 60061-2:1993/A58:2022)

HRN EN 62493:2015/A1:2022 en pr  
Procjena rasvjetne opreme s obzirom na izloženost ljudskoga tijela elektromagnetskim poljima (IEC 62493:2015/am1:2022; EN 62493:2015/A1:2022)  
Assessment of lighting equipment related to human exposure to electromagnetic fields (IEC 62493:2015/am1:2022; EN 62493:2015/A1:2022)

HRN EN IEC 62722-1:2022 en pr  
Značajke svjetiljki – 1. dio: Opći zahtjevi (IEC 62722-1:2022; EN IEC 62722-1:2022)  
Luminaire performance – Part 1: General requirements (IEC 62722-1:2022; EN IEC 62722-1:2022)

## HZN/TO E36, Izolatori

HRN EN 50243:2022 en pr  
Vanjski provodni izolatori za 24 kV i 36 kV i za 5 kA i 8 kA za tekućinom punjene transformatore (EN 50243:2022)  
Outdoor bushings for 24 kV and 36 kV and for 5 kA and 8 kA, for liquid filled transformers (EN 50243:2022)

## HZN/TO E37, Odvodnici prenapona

HRN EN 61643-31:2019/Ispr.1:2022 en pr  
Prenaponske zaštitne naprave za niski napon – 31. dio: Zahtjevi i metode ispitivanja za prenaponske zaštitne naprave za fotonaponske instalacije (IEC 61643-31:2018/Corr.1:2022; EN 61643-31:2019/AC:2022)  
Low-voltage surge protective devices – Part 31: Requirements and test methods for SPDs for photovoltaic installations (IEC 61643-31:2018/Corr.1:2022; EN 61643-31:2019/AC:2022)

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

HRN EN IEC 61970-401:2022 en pr  
Sučelje za aplikacije vođenja elektroenergetskog sustava (EMS-API) – 401. dio: Okvir profila (IEC 61970-401:2022; EN IEC 61970-401:2022)  
Energy management system application program interface (EMS-API) – Part 401: Profile framework (IEC 61970-401:2022; EN IEC 61970-401:2022)

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

HRN EN IEC 60335-2-89:2022 en pr  
Kućanski i slični električni aparati – Sigurnost – Dio 2-89: Posebni zahtjevi za komercijalne rashladne aparate i ledomate s ugrađenim ili udaljenim kondenzatorom ili kompresorom (IEC 60335-2-89:2019+Corr.1:2019+Corr.2:2021; EN IEC 60335-2-89:2022)  
Household and similar electrical appliances – Safety – Part 2-89: Particular requirements for commercial refrigerating appliances and ice-makers with an incorporated or remote refrigerant unit or motor-compressor (IEC 60335-2-89:2019+Corr.1:2019+Corr.2:2021; EN IEC 60335-2-89:2022)

HRN EN IEC 60335-2-89:2022/A11:2022 en pr  
Kućanski i slični električni aparati – Sigurnost – Dio 2-89: Posebni zahtjevi za komercijalne rashladne aparate i ledomate s ugrađenim ili udaljenim kondenzatorom ili kompresorom (EN IEC 60335-2-89:2022/A11:2022)  
Household and similar electrical appliances – Safety – Part 2-89: Particular requirements for commercial refrigerating appliances and ice-makers with an incorporated or remote refrigerant unit or motor-compressor (EN IEC 60335-2-89:2022/A11:2022)

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

HRN EN IEC 60336:2021/Ispr.1:2022 en pr  
Medicinska električna oprema – Sklopovi rendgenskih cijevi za medicinsku dijagnozu – Dimenzije žarišne točke i srodne karakteristike (IEC 60336:2020/Corr.1:2022; EN IEC 60336:2021/AC:2022)  
Medical electrical equipment – X-ray tube assemblies for medical diagnosis – Focal spot dimensions and related characteristics (IEC 60336:2020/Corr.1:2022; EN IEC 60336:2021/AC:2022)

HRN EN IEC 61223-3-5:2019/Ispr.1:2022 en pr  
Vrednovanje i rutinska ispitivanja na odjelima za medicinsko snimanje – Dio 3-5: Ispitivanja prihvatljivosti i nepromjenljivosti – Učinkovitost snimanja rendgenske opreme za računalnu tomografiju (IEC 61223-3-5:2019/Corr.1:2022; EN IEC 61223-3-5:2019/AC:2022)  
Evaluation and routine testing in medical imaging departments – Part 3-5: Acceptance and constancy tests – Imaging performance of computed tomography X-ray equipment (IEC 61223-3-5:2019/Corr.1:2022; EN IEC 61223-3-5:2019/AC:2022)

HRN EN IEC 62985:2019/Ispr.1:2022 en pr  
Metode proračuna za procjenu doze za veličinu pacijenta (SSDE) za računalnu tomografiju (IEC 62985:2019/Corr.1:2022; EN IEC 62985:2019/AC:2022)  
Methods for calculating size specific dose estimates (SSDE) for computed tomography (IEC 62985:2019/Corr.1:2022; EN IEC 62985:2019/AC:2022)

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

HRN EN IEC 61131-9:2022 en pr  
Programirajući regulatori – 9. dio: Digitalno komunikacijsko sučelje jednoslojnog voda za mala osjetila i aktuatori (SDCI) (IEC 61131-9:2022; EN IEC 61131-9:2022)  
Programmable controllers – Part 9: Single-drop digital communication interface for small sensors and actuators (SDCI) (IEC 61131-9:2022; EN IEC 61131-9:2022)

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

HRN EN IEC 60544-5:2022 en pr  
Električni izolacijski materijali – Određivanje učinaka ionizacijskog zračenja – 5. dio: Postupci za procjenu starenja tijekom rada (IEC 60544-5:2022; EN IEC 60544-5:2022)  
Electrical insulating materials – Determination of the effects of ionizing radiation – Part 5: Procedures for assessment of ageing in service (IEC 60544-5:2022; EN IEC 60544-5:2022)

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

HRN EN 50715:2022 en pr  
Elektromagnetska kompatibilnost – Radiofrekvencijsko zračenje – Statistička razmatranja u određivanju usklađenosti proizvoda masovne proizvodnje sa zahtjevima za neželjeno radiofrekvencijsko zračenje (EN 50715:2022)  
Electromagnetic compatibility – Radio frequency emission – Statistical considerations in the determination of compliance for mass-produced products with requirements for unwanted radio frequency emission (EN 50715:2022)

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

HRN EN IEC 60318-7:2022 en pr  
Elektroakustika – Simulatori ljudske glave i uha – 7. dio: Simulatori glave i trupa za mjerenja zvučnih izvora u blizini uha (IEC 60318-7:2022; EN IEC 60318-7:2022)  
Electroacoustics – Simulators of human head and ear – Part 7: Head and torso simulator for the measurement of sound sources close to the ear (IEC 60318-7:2022; EN IEC 60318-7:2022)

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

HRS CEN/TS 17834:2022 en pr  
Okvir europskog etičkog kodeksa za IKT profesiju (EU ICT Ethics) (CEN/TS 17834:2022)  
European Professional Ethics Framework for the ICT Profession (EU ICT Ethics) (CEN/TS 17834:2022)

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

HRN EN ISO 11638:2022 en pr  
Elastične podne obloge – Heterogene poli(vinil-kloridne) podne obloge s pjenastom poledinom – Specifikacija (ISO 11638:2020, uključujući ispravljenu verziju 2021-09; EN ISO 11638:2022)  
Resilient floor coverings – Heterogeneous poly(vinyl chloride) flooring on foam – Specification (ISO 11638:2020, including corrected version 2021-09; EN ISO 11638:2022)

HRN EN 17647:2022 en pr  
Opća načela proizvodnje, punjenja i pohrane e-tekućina za prethodno napunjene spremnike i proizvode (EN 17647:2022)  
General principles for manufacturing, filling and holding e-liquids for prefilled containers or products (EN 17647:2022)

HRN EN 17648:2022 en pr  
Sastojci e-tekućina (EN 17648:2022)  
E-liquid ingredients (EN 17648:2022)

HRN EN ISO 24199:2022 en pr  
Proizvodi za udisanje para iz e-tekućina – Određivanje nikotina u emisijama proizvoda za udisanje para iz e-tekućina – Metoda plinske kromatografije (ISO 24199:2022; EN ISO 24199:2022)  
Vapour products – Determination of nicotine in vapour product emissions – Gas chromatographic method (ISO 24199:2022; EN ISO 24199:2022)

## **HZN/TU F1, Osnovne norme 1**

HRN EN 17646:2022 en pr  
Jedinice za sigurno pohranjivanje – Klasifikacija brava visoke sigurnosti prema njihovoj otpornosti na neovlašteno otvaranje – Distribuirani sustavi (EN 17646:2022)  
Secure storage units – Classification for high security locks according to their resistance to unauthorized opening – distributed systems (EN 17646:2022)

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

HRN EN ISO 13577-4:2022 en pr  
Industrijske peći i pripadajuća procesna oprema – Sigurnost – 4. dio: Zaštitni sustavi (ISO 13577-4:2022; EN ISO 13577-4:2022)  
Industrial furnaces and associated processing equipment – Safety – Part 4: Protective systems (ISO 13577-4:2022; EN ISO 13577-4:2022)

HRN EN ISO 16638-2:2022 en pr  
Radiološka zaštita – Nadzor i unutarnja dozimetrija za određene materijale – 2. dio: Gutanje spojeva urana (ISO 16638-2:2019; EN ISO 16638-2:2022)  
Radiological protection – Monitoring and internal dosimetry for specific materials – Part 2: Ingestion of uranium compounds (ISO 16638-2:2019; EN ISO 16638-2:2022)

HRN EN ISO 19443:2022 en pr  
Sustavi upravljanja kvalitetom – Posebni zahtjevi za primjenu ISO 9001:2015 za organizacije u lancu opskrbe sektora nuklearne energije koje isporučuju proizvode i usluge važne za nuklearnu sigurnost (ITNS) (ISO 19443:2018; EN ISO 19443:2022)  
Quality management systems – Specific requirements for the application of ISO 9001:2015 by organizations in the supply chain of the nuclear energy sector supplying products and services important to nuclear safety (ITNS) (ISO 19443:2018; EN ISO 19443:2022)

HRN EN ISO 20031:2022 en pr  
Radiološka zaštita – Praćenje i dozimetrija unutarnje izloženosti zbog kontaminacije rane radionuklidima (ISO 20031:2020; EN ISO 20031:2022)  
Radiological protection – Monitoring and dosimetry for internal exposures due to wound contamination with radionuclides (ISO 20031:2020; EN ISO 20031:2022)

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

HRN EN ISO 14708-2:2022 en pr  
Kirurški implantati – Aktivni implantabilni medicinski uređaji – 2. dio: Elektrostimulatori srca (ISO 14708-2:2019; EN ISO 14708-2:2022)  
Implants for surgery – Active implantable medical devices – Part 2: Cardiac pacemakers (ISO 14708-2:2019; EN ISO 14708-2:2022)

HRN EN ISO 14708-3:2022 en pr  
Kirurški implantati – Aktivni implantabilni medicinski uređaji – 3. dio: Implantabilni neurostimulatori (ISO 14708-3:2017; EN ISO 14708-3:2022)  
Implants for surgery – Active implantable medical devices – Part 3: Implantable neurostimulators (ISO 14708-3:2017; EN ISO 14708-3:2022)

HRN EN ISO 14708-4:2022 en pr  
Kirurški implantati – Aktivni implantabilni medicinski uređaji – 4. dio: Implantabilne infuzijske pumpe (ISO 14708-4:2022; EN ISO 14708-4:2022)  
Implants for surgery – Active implantable medical devices – Part 4: Implantable infusion pump systems (ISO 14708-4:2022; EN ISO 14708-4:2022)

HRN EN ISO 14708-5:2022 en pr  
Kirurški implantati – Aktivni implantabilni medicinski uređaji – 5. dio: Uređaji za potpomaganje cirkulacije (ISO 14708-5:2020; EN ISO 14708-5:2022)  
Implants for surgery – Active implantable medical devices – Part 5: Circulatory support devices (ISO 14708-5:2020; EN ISO 14708-5:2022)

HRN EN ISO 14708-6:2022 en pr  
Kirurški implantati – Aktivni implantabilni medicinski uređaji – 6. dio: Posebni zahtjevi za aktivne implantabilne medicinske uređaje namijenjene liječenju tahiaritmija (uključuje implantabilne defibrilatore) (ISO 14708-6:2019; EN ISO 14708-6:2022)  
Implants for surgery – Active implantable medical devices – Part 6: Particular requirements for active implantable medical devices intended to treat tachyarrhythmia (including implantable defibrillators) (ISO 14708-6:2019; EN ISO 14708-6:2022)

HRN EN ISO 14708-7:2022 en pr  
Kirurški implantati – Aktivni implantabilni medicinski uređaji – 7. dio: Posebni zahtjevi za sustave umjetnih pužnica i slušnih usadaka u moždano deblo (ISO 14708-7:2019; EN ISO 14708-7:2022)  
Implants for surgery – Active implantable medical devices – Part 7: Particular requirements for cochlear and auditory brainstem implant systems (ISO 14708-7:2019; EN ISO 14708-7:2022)

HRN EN ISO 20342-1:2022 en pr  
Proizvodi koji pomažu u sprječavanju ozljeda tkiva pri dugotrajnom ležanju – 1. dio: Opći zahtjevi (ISO 20342-1:2022; EN ISO 20342-1:2022)  
Assistive products for tissue integrity when lying down – Part 1: General requirements (ISO 20342-1:2022; EN ISO 20342-1:2022)

HRN EN ISO 21856:2022 en pr  
Pomagala za osobe s invaliditetom – Opći zahtjevi i metode ispitivanja (ISO 21856:2022; EN ISO 21856:2022)  
Assistive products – General requirements and test methods (ISO 21856:2022; EN ISO 21856:2022)



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

- HRN EN 2349-001:2022 en pr  
Zrakoplovstvo – Zahtjevi i postupci ispitivanja sklopnih uređaja (EN 2349-001:2022)  
Aerospace series – Requirements and test procedures for switching devices (EN 2349-001:2022)
- HRN EN 16603-35-06:2022 en pr  
Svemirsko inženjerstvo – Zahtjevi u pogledu čistoće elemenata pogona svemirskih letjelica (EN 16603-35-06:2022)  
Space engineering – Cleanliness requirements for spacecraft propulsion hardware (EN 16603-35-06:2022)
- HRN EN 16603-50:2022 en pr  
Svemirsko inženjerstvo – Komunikacije (EN 16603-50:2022)  
Space engineering – Communications (EN 16603-50:2022)
- HRN EN 16603-50-21:2022 en pr  
Svemirsko inženjerstvo – Obavijest o prihvaćanju norme CCSDS 131.0-B-3, Telemetrijska (TM) sinkronizacija i kodiranje kanala (EN 16603-50-21:2022)  
Space engineering – Adoption Notice of CCSDS 131.0-B-3, TM Synchronization and Channel Coding (EN 16603-50-21:2022)
- HRN EN 16603-50-22:2022 en pr  
Svemirsko inženjerstvo – Obavijest o prihvaćanju norme CCSDS 132.0-B-2, Telemetrijski (TM) protokol veze podataka za prijenos kroz svemir (EN 16603-50-22:2022)  
Space engineering – Adoption Notice of CCSDS 132.0-B-2, TM Space Data Link Protocol (EN 16603-50-22:2022)
- HRN EN 16603-50-23:2022 en pr  
Svemirsko inženjerstvo – Obavijest o prihvaćanju norme CCSDS 732.0-B-3, AOS (Advanced Orbiting Systems), protokol veze podataka za prijenos kroz svemir (EN 16603-50-23:2022)  
Space engineering – Adoption Notice of CCSDS 732.0-B-3, AOS Space Data Link Protocol (EN 16603-50-23:2022)
- HRN EN 16603-50-24:2022 en pr  
Svemirsko inženjerstvo – Obavijest o prihvaćanju norme CCSDS 231.0-B-3, Telekomandna (TC) sinkronizacija i kodiranje kanala (EN 16603-50-24:2022)  
Space engineering – Adoption Notice of CCSDS 231.0-B-3, TC Synchronization and Channel Coding (EN 16603-50-24:2022)
- HRN EN 16603-50-25:2022 en pr  
Svemirsko inženjerstvo – Obavijest o prihvaćanju norme CCSDS 232.0-B-3, Telekomandni (TC) protokol veze podataka za prijenos kroz svemir (EN 16603-50-25:2022)  
Space engineering – Adoption Notice of CCSDS 232.0-B-3, TC Space Data Link Protocol (EN 16603-50-25:2022)
- HRN EN 16603-50-26:2022 en pr  
Svemirsko inženjerstvo – Obavijest o prihvaćanju norme CCSDS 232.1-B-2, Procedura rada komunikacija-1 (EN 16603-50-26:2022)  
Space engineering – Adoption Notice of CCSDS 232.1-B-2, Communications Operation Procedure-1 (EN 16603-50-26:2022)

## HZN/TU U1, *Opća elektrotehnika 1*

- HRN EN 50419:2022 en pr  
Obilježavanje električne i elektroničke opreme (EEE) s obzirom na odvojeno prikupljanje otpada EEE (WEEE) (EN 50419:2022)  
Marking of electrical and electronic equipment (EEE) in respect to separate collection of waste EEE (WEEE) (EN 50419:2022)
- HRN EN 50436-4:2022 en pr  
Blokada u slučaju alkoholiziranosti – Metode ispitivanja i izvedbeni zahtjevi – 4. dio: Povezivanje i digitalno sučelje između blokade u slučaju alkoholiziranosti i vozila (EN 50436-4:2022)  
Alcohol interlocks – Test methods and performance requirements – Part 4: Connection and digital interface between the alcohol interlock and the vehicle (EN 50436-4:2022)
- HRN EN IEC 60721-3-2:2018/Ispr.1:2022 en pr  
Razredba uvjeta okoliša – Dio 3-2: Razredba skupina parametara okoliša i njihovog intenziteta – Prijevoz i rukovanje (IEC 60721-3-2:2018/Corr.2:2022; EN IEC 60721-3-2:2018/AC:2022)  
Classification of environmental conditions – Part 3-2: Classification of groups of environmental parameters and their severities – Transportation and handling (IEC 60721-3-2:2018/Corr.2:2022; EN IEC 60721-3-2:2018/AC:2022)

## HZN/TU V1, *Elektronika 1*

- HRN EN IEC 60153-4:2022 en pr  
Šuplji metalni valovodi – 4. dio: Posebne specifikacije za kružne valovode (IEC 60153-4:2022; EN IEC 60153-4:2022)  
Hollow metallic waveguides – Part 4: Relevant specifications for circular waveguides (IEC 60153-4:2022; EN IEC 60153-4:2022)
- HRN EN IEC 61169-71:2022 en pr  
Radiofrekvencijski konektori – 71. dio: Sekcijska specifikacija za radiofrekvencijske koaksijalne konektore s unutarnjim promjerom vanjskog vodiča 5 mm – Karakteristična impedancija 50 Ohma – Tip NEX10® (IEC 61169-71:2022; EN IEC 61169-71:2022)  
Radio-frequency connectors – Part 71: Sectional specification for RF coaxial connectors with inner diameter of outer conductor 5 mm – Characteristic impedance 50 Ohms – Type NEX10® (IEC 61169-71:2022; EN IEC 61169-71:2022)
- HRN EN IEC 61757-4-3:2020/Ispr.1:2022 en pr  
Svjetlovodni senzori – Dio 4-3: Mjerenje električne struje – Polarimetrijska metoda (IEC 61757-4-3:2020/Corr.1:2022; EN IEC 61757-4-3:2020/AC:2022)  
Fibre optic sensors – Part 4-3: Electric current measurement – Polarimetric method (IEC 61757-4-3:2020/Corr.1:2022; EN IEC 61757-4-3:2020/AC:2022)

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

- HRN EN IEC 60086-1:2021/Ispr.1:2022 en pr  
Primarne baterije – 1. dio: Općenito (IEC 60086-1:2021/Corr.1:2022; EN IEC 60086-1:2021/AC:2022)  
Primary batteries – Part 1: General (IEC 60086-1:2021/Corr.1:2022; EN IEC 60086-1:2021/AC:2022)
- HRN EN IEC 60086-2:2021/Ispr.1:2022 en pr  
Primarne baterije – 2. dio: Fizikalne i električne specifikacije (IEC 60086-2:2021/Corr.1:2022; EN IEC 60086-2:2021/AC:2022)  
Primary batteries – Part 2: Physical and electrical specifications (IEC 60086-2:2021/Corr.1:2022; EN IEC 60086-2:2021/AC:2022)
- HRN EN IEC 60086-5:2021/Ispr.1:2022 en pr  
Primarne baterije – 5. dio: Sigurnost baterija s tekućim elektrolitom (IEC 60086-5:2021/Corr.1:2022; EN IEC 60086-5:2021/AC:2022-07)  
Primary batteries – Part 5: Safety of batteries with aqueous electrolyte (IEC 60086-5:2021/Corr.1:2022; EN IEC 60086-5:2021/AC:2022-07)
- HRN EN 60312-1:2017/A11:2022 en pr  
Usisivači prašine za kućansku uporabu – 1. dio: Suhu vakumski čistači – Metode za mjerenje radnih značajka (EN 60312-1:2017/A11:2022)  
Vacuum cleaners for household use – Part 1: Dry vacuum cleaners – Methods for measuring the performance (EN 60312-1:2017/A11:2022)
- HRN EN IEC 60953-0:2022 en pr  
Pravila za prijamna ispitivanja parnih turbina – Dio 0: Široki raspon točnosti za različite tipove i veličine turbina (IEC 60953-0:2022; EN IEC 60953-0:2022)  
Rules for steam turbine thermal acceptance tests – Part 0: Wide range of accuracy for various types and sizes of turbines (IEC 60953-0:2022; EN IEC 60953-0:2022)
- HRN EN 62135-1:2015/Ispr.1:2022 en pr  
Oprema za elektrotoporno zavarivanje – 1. dio: Sigurnosni zahtjevi za projektiranje, proizvodnju i instaliranje (IEC 62135-1:2015/Corr.1:2016; EN 62135-1:2015/AC:2016)  
Resistance welding equipment – Part 1: Safety requirements for design, manufacture and installation (IEC 62135-1:2015/Corr.1:2016; EN 62135-1:2015/AC:2016)
- HRN EN IEC 62485-5:2021/Ispr.1:2022 en pr  
Sigurnosni zahtjevi za sekundarne baterije i baterijske instalacije – 5. dio: Siguran rad stacionarnih litij-ionskih baterija (IEC 62485-5:2020/Corr.1:2022; EN IEC 62485-5:2021/AC:2022)  
Safety requirements for secondary batteries and battery installations – Part 5: Safe operation of stationary lithium ion batteries (IEC 62485-5:2020/Corr.1:2022; EN IEC 62485-5:2021/AC:2022)
- HRN EN 62841-2-1:2018/A1:2022 en pr  
Ručni elektromotorni alati, prijenosni alati i mehanizacija za travnjake i vrtove – Sigurnost – Dio 2-1: Posebni zahtjevi za ručne bušilice i udarne bušilice (IEC 62841-2-1:2017/am1:2021; EN 62841-2-1:2018/A1:2022)  
Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 2-1: Particular requirements for hand-held drills and impact drills (IEC 62841-2-1:2017/am1:2021; EN 62841-2-1:2018/A1:2022)

HRN EN 62841-2-1:2018/A12:2022 en pr  
Ručni elektromotorni alati, prijenosni alati i mehanizacija za travnjake i vrtove – Sigurnost – Dio 2-1: Posebni zahtjevi za ručne bušilice i udarne bušilice (EN 62841-2-1:2018/A12:2022)  
Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 2-1: Particular requirements for hand-held drills and impact drills (EN 62841-2-1:2018/A12:2022)

HRN EN 62841-3-10:2016/A1:2022 en pr  
Ručni elektromotorni alati, prijenosni alati i mehanizacija za travnjake i vrtove – Sigurnost – Dio 3-10: Posebni zahtjevi za prijenosne rezne alate (IEC 62841-3-10:2015/am1:2022; EN 62841-3-10:2015/A1:2022)  
Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 3-10: Particular requirements for transportable cut-off machines (IEC 62841-3-10:2015/am1:2022; EN 62841-3-10:2015/A1:2022)

HRN EN 62841-3-10:2016/A12:2022 en pr  
Ručni elektromotorni alati, prijenosni alati i mehanizacija za travnjake i vrtove – Sigurnost – Dio 3-10: Posebni zahtjevi za prijenosne rezne alate (EN 62841-3-10:2015/A12:2022)  
Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 3-10: Particular requirements for transportable cut-off machines (EN 62841-3-10:2015/A12:2022)

HRN EN 62841-3-6:2014/A1:2022 en pr  
Ručni elektromotorni alati, prijenosni alati i mehanizacija za travnjake i vrtove – Sigurnost – Dio 3-6: Posebni zahtjevi za prijenosne dijamantne bušilice sa sustavom tekućine (IEC 62841-3-6:2014/am1:2022; EN 62841-3-6:2014/A1:2022)  
Amendment 1 – Electric motor-operated hand-held tools; transportable tools and lawn and garden machinery – Safety – Part 3-6: Particular requirements for transportable diamond drills with liquid system (IEC 62841-3-6:2014/am1:2022; EN 62841-3-6:2014/A1:2022)

HRN EN 62841-3-6:2014/A12:2022 en pr  
Ručni elektromotorni alati, prijenosni alati i mehanizacija za travnjake i vrtove – Sigurnost – Dio 3-6: Posebni zahtjevi za prijenosne dijamantne bušilice sa sustavom tekućine (EN 62841-3-6:2014/A12:2022)  
Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 3-6: Particular requirements for transportable diamond drills with liquid system (EN 62841-3-6:2014/A12:2022)

HRN EN 62841-4-2:2019/A11:2022 en pr  
Ručni elektromotorni alati, prijenosni alati i mehanizacija za travnjake i vrtove – Sigurnost – Dio 4-2: Posebni zahtjevi za kresalice (EN 62841-4-2:2019/A11:2022)  
Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 4-2: Particular requirements for hedge trimmers (EN 62841-4-2:2019/A11:2022)

HRN EN 62841-4-2:2019/A1:2022 en pr  
Ručni elektromotorni alati, prijenosni alati i mehanizacija za travnjake i vrtove – Sigurnost – Dio 4-2: Posebni zahtjevi za kresalice (IEC 62841-4-2:2017/am1:2022; EN 62841-4-2:2019/A1:2022)  
Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 4-2: Particular requirements for hedge trimmers (IEC 62841-4-2:2017/am1:2022; EN 62841-4-2:2019/A1:2022)

## 1.2 Nacrta hrvatskih norma

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

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

### HZN/TO 580, *Pribor za prvu pomoć*

nHRN 1112 hr izv  
Komplet prve pomoći za motorna vozila kategorije M i N  
First aid kit for M and N category motor vehicles

### 1.3 Prijedlozi za prihvaćanje stranih norma u izvorniku

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

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

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

prEN ISO 10240 en  
Small craft – Owner's manual (ISO/FDIS 10240:2022)  
Mala plovila – Korisnički priručnik (ISO/FDIS 10240:2022)

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

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

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

ISO 18808:2021 en  
Agricultural tyres for construction machines  
Poljoprivredne gume za građevinske strojeve

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

prEN ISO 4254-20 en  
Agricultural machinery – Safety – Part 20: Grape, olives and coffee harvesters (ISO/DIS 4254-20:2022)  
Poljoprivredna mehanizacija – Sigurnost – 20. dio: Kombajni za grožđe, masline i kavu (ISO/DIS 4254-20:2022)

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

prEN ISO 7301 en  
Rice – Specification (ISO 7301:2021)

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

prEN ISO 15611 en  
Specification and qualification of welding procedures for metallic materials – Qualification based on previous welding experience (ISO/DIS 15611:2022)  
Specifikacija i kvalifikacija postupaka zavarivanja za metalne materijale – Kvalifikacija na osnovi prethodnog zavarivačkog iskustva (ISO/DIS 15611:2022)

prEN ISO 17663 en  
Welding – Quality requirements for heat treatment in connection with welding and allied processes (ISO/DIS 17663:2022)  
Zavarivanje – Zahtjevi za kvalitetu toplinske obrade u vezi sa zavarivanjem i srodnim postupcima (ISO/DIS 17663:2022)

prEN ISO 25980 en  
Health and safety in welding and allied processes – Transparent welding curtains, strips and screens for arc welding processes (ISO/DIS 25980:2022)  
Zdravlje i sigurnost pri zavarivanju i srodnim postupcima – Prozirni zastori za zavarivanje, trake i zasloni za postupke elektrodušnog zavarivanja (ISO/DIS 25980:2022)

#### HZN/TO 71, *Beton*

prEN 12390-6 en  
Testing hardened concrete – Part 6: Tensile splitting strength of test specimens  
Ispitivanje očvrsloga betona – 6. dio: Vlačna čvrstoća cijepanjem ispitnih uzoraka

#### HZN/TO 92, *Zaštita od požara*

prEN 15080-12 en  
Extended application of results from fire resistance tests – Part 12: Loadbearing masonry walls  
Proširena primjena rezultata ispitivanja otpornosti na požar – 12. dio: Nosivi opečni zidovi

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

prEN 1865-2 en  
Patient handling equipment used in ambulances – Part 2: Powered assisted stretcher  
Oprema za postupanje s bolesnikom koja se upotrebljava u cestovnim medicinskim vozilima – 2. dio: Ležaj s pogonom

prEN 1865-6 en  
Patient handling equipment used in ambulances – Part 6: Powered chairs  
Oprema za postupanje s bolesnikom koja se upotrebljava u cestovnim medicinskim vozilima – 6. dio: Stolice s pogonom

#### HZN/TO 126, *Duhan i duhanski proizvodi*

ISO 16055:2021 en  
Tobacco and tobacco products – Monitor test piece for smoking machine – Requirements and use  
Duhan i duhanski proizvodi – Etalonska cigareta za uređaj za pušenje – Zahtjevi i upotreba

ISO 16632:2021 en  
Tobacco and tobacco products – Determination of water content – Gas-chromatographic method  
Duhan i duhanski proizvodi – Određivanje sadržaja vode – Metoda plinske kromatografije

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

prEN 15705 en  
Inorganic fertilizers – Determination of methylen-urea oligomers using high-performance liquid chromatography (HPLC)

prEN 17864 en  
Inorganic fertilizers – Determination of nitrogen content in IBDU (isobutylidenediurea) and CDU (crotonylidenediurea)

#### HZN/TO 136, *Namještaj*

prEN 1725 en  
Furniture – Beds – Requirements for safety, strength and durability  
Namještaj – Kreveti – Zahtjevi za sigurnost, čvrstoću i izdržljivost

prEN 12521 en  
Furniture – Safety, strength and durability – Requirements for domestic tables  
Namještaj – Čvrstoća, trajnost i sigurnost – Zahtjevi za stolove za kućnu uporabu

prEN 17869 en  
Hardware for furniture – Test method for strength and overload tests of connectors for furniture constructed from panel material  
Okov za namještaj – Metoda ispitivanja čvrstoće i preopterećenja spojnice za namještaj izrađen iz pločastog materijala

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

prEN ISO 10468 en  
Glass-reinforced thermosetting plastics (GRP) pipes – Determination of the ring creep properties under wet or dry conditions (ISO/DIS 10468:2022)  
Staklom ojačane duromerne (GRP) cijevi – Određivanje obodne krutosti zbog puzanja (ISO/DIS 10468:2022)

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

prEN 14662-1 en  
Ambient air quality – Standard method for measurement of benzene concentrations – Part 1: Pumped sampling followed by thermal desorption and gas chromatography  
Kvaliteta vanjskog zraka – Standardna metoda za mjerenje koncentracija benzena – 1. dio: Uzorkovanje prisiljavanjem uz termičku desorpciju i analizu plinskom kromatografijom

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

prEN 17886 en  
Laboratory test method – Assessment of the susceptibility of thermal insulation products to mould growth  
Laboratorijska metoda ispitivanja – Ocjenjivanje osjetljivosti toplinsko-izolacijskih proizvoda na rast plijesni

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

prEN 81-30 en  
Safety rules for the construction and installation of lifts – Lifts for the transport of goods only – Part 30: Electric and hydraulic service lifts

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

prEN ISO 18674-8 en  
Geotechnical investigation and testing – Geotechnical monitoring by field instrumentation – Part 8: Measurement of forces: Load cells (ISO/DIS 18674-8:2022)

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

EN ISO 14050:2020/prA1 en  
Environmental management – Vocabulary (ISO 14050:2020/DAmd 1:2022)  
Upravljanje okolišem – Terminološki rječnik (ISO 14050:2020/DAmd 1:2022)

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

prEN ISO 13131 en  
Health informatics – Telehealth services – Quality planning guidelines (ISO 13131:2021)  
Zdravstvena informatika – Usluge zdravstva na daljinu – Smjernice za planiranje kvalitete (ISO 13131:2021)

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

ISO 23405:2022 en  
Tourism and related services – Sustainable tourism – Principles, vocabulary and model  
Turističke i srodne usluge – Održivi turizam – Načela, rječnik i model

## **HZN/TO 502, Plinski uređaji**

prEN 12309-1 en  
Gas-fired sorption appliances for heating and/or cooling with a net heat input not exceeding 70 kW – Part 1: Terms and definitions  
Plinski sorpcijski uređaji za grijanje i/ili hlađenje s nazivnim toplinskim opterećenjem do 70 kW – 1. dio: Nazivi i definicije

prEN 16905-4 en  
Gas-fired endothermic engine driven heat pumps – Part 4: Test methods  
Dizalice topline s plinskim endotermnim motorom – 4. dio: Metode ispitivanja

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

prEN ISO 204 en  
Metallic materials – Uniaxial creep testing in tension – Method of test (ISO/DIS 204:2022)  
Metalni materijali – Jednoosno ispitivanje puzanja pri vlačnome naprezanju – Metoda ispitivanja (ISO/DIS 204:2022)

prEN ISO 3995 en  
Metallic powders – Determination of green strength by transverse rupture of rectangular compacts (ISO/DIS 3995:2022)  
Metalni prah – Određivanje početne čvrstoće savijanjem četvrtastih otpresaka (ISO/DIS 3995:2022)

prEN ISO 4545-1 en  
Metallic materials – Knoop hardness test – Part 1: Test method (ISO/DIS 4545-1:2022)  
Metalni materijali – Ispitivanje tvrdoće prema Knoopu – 1. dio: Metoda ispitivanja (ISO/DIS 4545-1:2022)

prEN ISO 6507-1 en  
Metallic materials – Vickers hardness test – Part 1: Test method (ISO/DIS 6507-1:2022)  
Metalni materijali – Ispitivanje tvrdoće prema Vickersu – 1. dio: Metoda ispitivanja (ISO/DIS 6507-1:2022)

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

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

prEN ISO 14571 en  
Metallic coatings on non-metallic basis materials – Measurement of coating thickness – Micro-resistivity method (ISO 14571:2020)  
Metalne prevlake na nemetalnim osnovnim materijalima – Mjerenje debljine prevlaka – Mikrootporna metoda (ISO 14571:2020)

prEN ISO 16866 en  
Metallic and other inorganic coatings – Simultaneous thickness and electrode potential determination of individual layers in multilayer nickel deposits (STEP test) (ISO 16866:2020)  
Metalne i druge anorganske prevlake – Simultano određivanje debljine i potencijala elektrode pojedinih slojeva pri višeslojnim nanosima nikla (STEP ispitivanje) (ISO 16866:2020)

prEN ISO 23131 en  
Ellipsometry – Principles (ISO 23131:2021)  
Elipsometrija – Načela (ISO 23131:2021)

prEN ISO 23216 en  
Carbon based films – Determination of optical properties of amorphous carbon films by spectroscopic ellipsometry (ISO 23216:2021)  
Filmovi na bazi ugljika – Određivanje optičkih svojstava filmova amorfno ugljika spektroskopskom elipsometrijom (ISO 23216:2021)

## **HZN/TO 521, Usluge održavanja**

prEN ISO 41015 en  
Facility management – Influencing organizational behaviours for improved facility outcomes (ISO/DIS 41015:2022)  
Upravljanje objektima (Facility management) – Djelovanja na organizacijska ponašanja radi poboljšanja ishoda rada objekta (ISO/DIS 41015:2022)

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

EN 508-3:2021/prA1 en  
Roofing and cladding products from metal sheet – Specification for self-supporting products of steel, aluminium or stainless steel sheet – Part 3: Stainless steel (EN 508-3:2021/prA1)  
Proizvodi od lima za pokrivanje krovova i oblaganje zidova – Specifikacija za samonosive proizvode od čeličnog, aluminijskog ili nehrđajućeg čeličnog lima – 3. dio: Nehrđajući čelik (EN 508-3:2021/prA1)

prEN 17388-1 en  
Flexible sheets for waterproofing – Environmental product declaration – Product Category Rules for bituminous and synthetic flexible sheets for (roof) waterproofing – Part 1: Cradle to grave  
Savittljive hidroizolacijske trake – Izjava o utjecaju proizvoda na okoliš – Pravila za kategorizaciju bitumenskih i sintetičkih traka (za krovove) – 1. dio: "Od kolijevke do groba"

prEN 17388-2 en  
Flexible sheets for waterproofing – Environmental product declarations – Product Category Rules for bituminous and synthetic flexible sheets – Part 2: Cradle to gate with options  
Savittljive hidroizolacijske trake – Izjava o utjecaju proizvoda na okoliš – Pravila za kategorizaciju bitumenskih i sintetičkih traka – 2. dio: "Od kolijevke do vrata s opcijama"

prEN 17872 en  
Flexible sheets for waterproofing – Underlays for discontinuous roof coverings – Artificial ageing procedure  
Savittljive hidroizolacijske trake – Podložne trake za prijklopno pokrivanje krovova – Postupak umjetnog starenja

prEN 17873 en  
Flexible sheets for waterproofing – Underlays for discontinuous roof coverings and walls – Instructions for mounting and fixing for reaction to fire testing  
Savittljive hidroizolacijske trake – Podložne trake za prijklopno pokrivanje krovova i oblaganje zidova – Upute za ugradnju i učvršćivanje za ispitivanje reakcije na požar

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

EN 15227:2020/prA1:2022 en  
Railway applications – Crashworthiness requirements for rail vehicles  
Željeznički sustav – Zahtjevi za otpornost tračničkih vozila na sudare

EN 15663:2017+A1:2018/prA2:2022 en  
Railway applications – Vehicle reference masses  
Željeznički sustav – Referentne mase vozila

prEN 16116-2 en  
Railway applications – Design requirements for steps, handrails and associated access for staff – Part 2: Freight wagons  
Željeznički sustav – Projektni zahtjevi za stepenice, rukohvate i prateće dodatke za osoblje – 2. dio: Teretni vagoni

prEN 16286-2 en  
Railway applications – Gangway systems between vehicles – Part 2: Acoustic measurements  
Željeznički sustav – Prijelaznice između vozila – 2. dio: Mjerenje buke

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

EN 14492-2:2019/prA1 en  
Cranes – Power driven winches and hoists – Part 2: Power driven hoists  
Granici – Vitla i dizalice na strojni pogon – 2. dio: Dizalice na strojni pogon

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

prEN 17878-1 en  
District heating pipes – Factory made flexible pipe systems with a lower temperature profile – Part 1: Classification, general requirements and test methods  
Cijevi za daljinsko grijanje – Sustav predizoliranih fleksibilnih cijevi s nižim temperaturnim profilom – 1. dio: Klasifikacija, opći zahtjevi i metode ispitivanja

prEN 17878-2 en  
District heating pipes – Factory made flexible pipe systems with a lower temperature profile – Part 2: Bonded system with plastic service pipes; requirements and test methods  
Cijevi za daljinsko grijanje – Sustav predizoliranih fleksibilnih cijevi s nižim temperaturnim profilom – 2. dio: Spojeni sustav s plastičnim cijevima; zahtjevi i metode ispitivanja

prEN 17878-3 en  
District heating pipes – Flexible pipe systems with a lower temperature profile – Part 3: Non bonded system with plastic service pipes; requirements and test methods  
Cijevi za daljinsko grijanje – Sustav predizoliranih fleksibilnih cijevi s nižim temperaturnim profilom – 3. dio: Nespojani sustav s plastičnim cijevima; zahtjevi i metode ispitivanja

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

EN ISO 80369-3:2016/prA1 en  
Small-bore connectors for liquids and gases in healthcare applications – Part 3: Connectors for enteral applications (ISO 80369-3:2016/Amd 1:2019)  
Spojnici malog promjera za tekućine i plinove za primjenu u zdravstvu – 3. dio: Spojnici za enteralnu primjenu (ISO 80369-3:2016/Amd 1:2019)

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

prEN 17134-2 en  
Textiles and textile products – Determination of biocide additives – Part 2, Chlorophenol-based preservatives, method using gas chromatography

### **HZN/TO 567, Meso, meso peradi, jaja i njihovi proizvodi, ribe, proizvodi ribarstva i akvakultura**

ISO 4134:2021 en  
Meat and meat products – Determination of L-(+)-glutamic acid content – Reference method  
Meso i mesni proizvodi – Određivanje količine L-(+)-glutaminske kiseline – Referentna metoda

ISO 23776:2021 en  
Meat and meat products – Determination of total phosphorous content  
Meso i mesni proizvodi – Određivanje ukupne količine fosfora

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

prEN 17881 en  
Food authenticity – DNA barcoding of bivalves and products derived from bivalves using a defined mitochondrial 16S rRNA gene segment

prEN 17882 en  
Food authenticity – DNA barcoding of meat and meat products derived from mammalia and poultry using defined mitochondrial cytochrome b and cytochrome c oxidase I gene segments

prEN ISO 22753 en  
Molecular biomarker analysis – Method for the statistical evaluation of analytical results obtained in testing sub-sampled groups of genetically modified seeds and grains – General requirements (ISO 22753:2021)

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

prEN ISO 23537-2 en  
Requirements for sleeping bags – Part 2: Fabric and material properties (ISO/DIS 23537-2:2022)  
Zahtjevi za vreće za spavanje – 2. dio: Svojstva tkanine i materijala (ISO/DIS 23537-2:2022)

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

prEN ISO 11267 en  
Soil quality – Inhibition of reproduction of Collembola (Folsomia candida) by soil contaminants (ISO/DIS 11267:2022)  
Kvaliteta tla – Inhibicija razmnožavanja Collembola (Folsomia candida) zbog onečišćivača u tlu (ISO/DIS 11267:2022)

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

ISO 8373:2021 en  
Robotics – Vocabulary  
Robotika – Terminološki rječnik

ISO 10303-1:2021 en  
Industrial automation systems and integration – Product data representation and exchange – Part 1: Overview and fundamental principles  
Sustavi industrijske automatizacije i integracija – Prikaz i razmjena podataka o proizvodu – 1. dio: Pregled i osnovna načela

ISO 19649:2017 en  
Mobile robots – Vocabulary  
Mobilni roboti – Terminološki rječnik

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

prEN ISO/IEC 27002 en  
Information security, cybersecurity and privacy protection – Information security controls (ISO/IEC 27002:2022)  
Informacijska sigurnost, kibernetička sigurnost i zaštita privatnosti – Upravljanje informacijskom sigurnošću (ISO/IEC 27002:2022)

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

prEN IEC 60947-4-1:2022 en  
Low-voltage switchgear and controlgear – Part 4-1: Contactors and motor-starters – Electromechanical contactors and motor-starters (IEC 60947-4-1 ED5)  
Niskonaponska sklopna aparatura – Dio 4-1: Sklopnici i motorni pokretači – Elektromehanički sklopnici i motorni pokretači (IEC 60947-4-1 ED5)

prEN IEC 61095:2022 en  
Electromechanical contactors for household and similar purposes (IEC 61095 ED3)  
Elektromehanički sklopnici za kućanstvo i slične svrhe (IEC 61095 ED3)

prEN IEC 61439-3:2022 en  
Low-voltage switchgear and controlgear assemblies – Part 3: Distribution boards intended to be operated by ordinary persons (DBO) (IEC 61439-3 ED2)  
Niskonaponski sklopni blokovi – 3. dio: Razvodni blokovi namijenjeni za upravljanje i od nestručnih osoba (IEC 61439-3 ED2)

prEN IEC 62208:2022 en  
Empty enclosures for low-voltage switchgear and controlgear assemblies – General requirements (IEC 62208 ED3)  
Prazna kućišta za niskonaponske sklopne blokove – Opći zahtjevi (IEC 62208 ED3)

### **HZN/TO E20, Električni kabe**

prEN IEC 61442:2022 en  
Test methods for accessories for power cables with rated voltages from 6 kV (Um = 7,2 kV) up to 30 kV (Um = 36 kV) (IEC 61442 ED3)  
Ispitne metode za pribor za energetske kabele nazivnog napona od 6 kV (Um = 7,2 kV) do 30 kV (Um = 36 kV) (IEC 61442 ED3)

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

EN 60898-1:2019/prA1 en  
Electrical accessories – Circuit-breakers for overcurrent protection for household and similar installations – Part 1: Circuit-breakers for a.c. operation (IEC 60898-1:2015/am1:2019)  
Električni pribor – Instalacijski prekidači za nadstrujnu zaštitu za kućanstvo i slične instalacije – 1. dio: Instalacijski prekidači za rad s izmjeničnom strujom (IEC 60898-1:2015/am1:2019)

EN 60898-1:2019/prAA en  
Electrical accessories – Circuit-breakers for overcurrent protection for household and similar installations – Part 1: Circuit-breakers for a.c. operation  
Električni pribor – Instalacijski prekidači za nadstrujnu zaštitu za kućanstvo i slične instalacije – 1. dio: Instalacijski prekidači za rad s izmjeničnom strujom

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

prEN 50724 en  
Fixed Ultrasonic Gas Leak Detectors (UGLD) – General requirements and test methods  
Fiksni ultrazvučni detektori propuštanja plina (UGLD) – Opći zahtjevi i metode ispitivanja

### **HZN/TO E56, Pouzdanost**

prEN IEC 60300-1:2022 en  
Dependability management – Part 1: Managing dependability (IEC 60300-1 ED4)  
Upravljanje pouzdanošću – 1. dio: Upute za upravljanje pouzdanošću (IEC 60300-1 ED4)

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

EN IEC 60335-2-110:2021/prA1 en  
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/am1:2019)  
Kućanski i slični električni aparati – Sigurnost – Dio 2-110: Posebni zahtjevi za ugostiteljske mikrovadne pečnice s umetkom ili kontaktnim aplikatorom (IEC 60335-2-110:2013/am1:2019)

FprEN IEC 60335-2-14:2022/prA1 en  
Household and similar electrical appliances – Safety – Part 2-14: Particular requirements for kitchen machines (IEC 60335-2-14:2016/am1:2019)  
Kućanski i slični električni aparati – Sigurnost – Dio 2-14: Posebni zahtjevi za kuhinjske strojeve (IEC 60335-2-14:2016/am1:2019)

FprEN IEC 60335-2-14:2022/prAA en  
Household and similar electrical appliances – Safety – Part 2-14: Particular requirements for kitchen machines  
Kućanski i slični električni aparati – Sigurnost – Dio 2-14: Posebni zahtjevi za kuhinjske strojeve

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

prEN IEC 61223-3-8:2022 en  
Evaluation and routine testing in medical imaging departments – Part 3-8: Acceptance and constancy tests – Imaging performance of X-ray equipment for radiography and radioscopy (IEC 61223-3-8 ED1)  
Vrednovanje i redovito ispitivanje u medicinskoj slikovnoj dijagnostici – Dio 3-8: Ispitivanja prihvatljivosti i nepromjenljivosti – Učinkovitost snimanja rendgenske opreme za radiografiju i radioskopiju (IEC 61223-3-8 ED1)

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

prEN 50110-2 en  
Operation of electrical installations – Part 2: National annexes  
Pogon električnih postrojenja – 2. dio: Nacionalni dodaci

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

EN IEC 61918:2018/prAB en  
Industrial communication networks – Installation of communication networks in industrial premises  
Industrijske komunikacijske mreže – Instalacija komunikacijskih mreža u industrijskim uvjetima

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

prEN IEC 61557-13:2022 en  
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 13: Hand-held and hand-manipulated current clamps and sensors for measurement of leakage currents in electrical distribution systems (IEC 61557-13 ED2)  
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 – 13. dio: Ručna strujna kliješta i senzori za mjerenje struje curenja u sustavu za distribuciju električne energije (IEC 61557-13 ED2)

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

prEN IEC 60268-23:2022 en  
Sound system equipment – Part 23: TVs and monitors – Loudspeaker systems (IEC 60268-23 ED1)  
Oprema audiosustava – 23. dio: Televizori i monitori – Sustavi zvučnika (IEC 60268-23 ED1)

prEN IEC 62087-2:2022 en  
Audio, video, and related equipment – Determination of power consumption – Part 2: Signals and media (TA 19) (IEC 62087-2 ED2)  
Audio, video i pripadajuća oprema – Određivanje potrošnje energije – 2. dio: Signali i sredstva (TA 19) (IEC 62087-2 ED2)

prEN IEC 62087-3:2022 en  
Audio, video, and related equipment – Determination of power consumption – Part 3: Television sets (TA 19) (IEC 62087-3 ED2)  
Audio, video i pripadajuća oprema – Određivanje potrošnje energije – 3. dio: Televizijski aparati (TA 19) (IEC 62087-3 ED2)

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

prEN 50561-1 en  
Powerline communication apparatus used in low voltage installations – Radio disturbance characteristics – Limits and methods of measurement – Part 1: Apparatus for in-home use  
Uređaji za komunikaciju preko energetskih vodova koji se upotrebljavaju u niskonaponskim instalacijama – Karakteristike radio smetnji – Granice i metode mjerenja – 1. dio: Uređaji za kućnu upotrebu

prEN 50561-3 en  
Powerline communication apparatus used in low voltage installations – Radio disturbance characteristics – Limits and methods of measurement – Part 3: Apparatus operating above 30 MHz  
Uređaji za komunikaciju preko energetskih vodova koji se upotrebljavaju u niskonaponskim instalacijama – Karakteristike radio smetnji – Granice i metode mjerenja – 3. dio: Uređaji koji rade iznad 30 MHz

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

prEN IEC 63305:2022 en  
Underwater Acoustics – Calibration of acoustic wave vector receivers in the frequency range 5 Hz to 10 kHz (IEC 63305 ED1)  
Podvodna akustika – Umjeravanje vektorskih prijemnika zvučnih valova u frekvencijskom području od 5 Hz do 10 kHz (IEC 63305 ED1)

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

Draft EN 301 406-1 V2.3.0:2022 en  
Digital Enhanced Cordless Telecommunications (DECT)  
– Harmonised Standard for access to radio spectrum – Part 1:  
DECT, DECT Evolution and DECT ULE  
Digitalne poboljšane bežične telekomunikacije (DECT)  
– Harmonizirana norma za pristup radijskom spektru – 1. dio:  
DECT, tijek DECT-a i DECT ULE

## **HZN/TO Z2, Ocjenjivanje sukladnosti i akreditacija**

prEN ISO 37101 en  
Sustainable development in communities – Management  
system for sustainable development – Requirements with  
guidance for use (ISO 37101:2016)  
Održivi razvoj u zajednicama – Sustav upravljanja  
održivim razvojem – Zahtjevi sa smjernicama za primjenu  
(ISO 37101:2016)

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

prEN 12104 en  
Resilient floor coverings – Cork floor tiles – Specification  
Elastične podne obloge – Plutene podne ploče – Specifikacija

prEN 17885 en  
Candle Accessories – Specification for fire safety and product  
safety labels  
Pribor za svijeće – Specifikacija za zaštitu od požara i oznake  
sigurnosti proizvoda

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

prEN ISO 10991 en  
Microfluidics – Vocabulary (ISO/DIS 10991:2022)  
Mikrofluidika – Rječnik (ISO/DIS 10991:2022)

prEN ISO 13132 en  
Laboratory glassware – Petri dishes (ISO/DIS 13132:2022)  
Laboratorijsko stakleno posude – Petrijeve zdjelice  
(ISO/DIS 13132:2022)

prEN ISO/ASTM 52935 en  
Additive manufacturing of metals – Qualification principles  
– Qualification of AM coordination personnel  
(ISO/ASTM DIS 52935:2022)  
Aditivna proizvodnja metala – Načela ispitivanja kvalificiranosti  
– Ispitivanje kvalificiranosti osoblja za koordinaciju aditivne  
proizvodnje (ISO/ASTM DIS 52935:2022)

prEN ISO/ASTM 52945 en  
Additive manufacturing for automotive – Qualification  
principles – Generic machine evaluation and specification  
of key performance indicators for PBF-LB/M processes  
(ISO/ASTM DIS 52945:2022)  
Aditivna proizvodnja za automobilsku industriju – Načela  
ispitivanja kvalificiranosti – Opća procjena strojeva i  
specifikacija ključnih pokazatelja učinkovitosti procesa  
laserskog stapanja praškastih slojeva metala (PBF-LB/M)  
(ISO/ASTM DIS 52945:2022)

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

prEN 17877 en  
Dynamic mixers and agitators – Definitions and hydraulic  
characterizations

prEN 17879 en  
Event structures – Safety requirements

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

prEN 16214-1 en  
Sustainability and greenhouse gas emission saving criteria  
for biomass for energy applications – Principles, criteria,  
indicators and verifiers – Part 1: Terminology  
Kriteriji održivosti za proizvodnju biogoriva i biotekućina za  
dobivanje energije – Načela, kriteriji, indikatori i sredstva za  
provjeru – 1. dio: Nazivlje

prEN 16214-3 en  
Sustainability and greenhouse gas emission saving criteria  
for biomass for energy applications – Principles, criteria,  
indicators and verifiers – Part 3: Sustainability criteria related  
to environmental aspects

prEN ISO 21813 en  
Fine ceramics (advanced ceramics, advanced technical  
ceramics) – Methods for chemical analysis of high purity  
barium titanate powders (ISO 21813:2019)

prEN ISO 21814 en  
Fine ceramics (advanced ceramics, advanced technical  
ceramics) – Methods for chemical analysis of aluminium  
nitride powders (ISO 21814:2019)

prEN ISO 21821 en  
Fine ceramics (advanced ceramics, advanced technical  
ceramics) – Determination of densification properties of  
ceramic powders on natural sintering (ISO 21821:2019)

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

prEN ISO 4865 en  
Dentistry – General requirements of non-hinged hand  
instruments (ISO/DIS 4865:2022)  
Stomatologija – Opći zahtjevi za ručne instrumente bez  
zgloba (ISO/DIS 4865:2022)

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

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

prEN 3645-002 en  
Aerospace series – Connectors, electrical, circular,  
scoop-proof, triple start threaded coupling, operating  
temperature 175 °C or 200 °C continuous – Part 002:  
Specification of performance and contact arrangements  
Zrakoplovstvo – Spojnice, električne, okrugle, sa zaštitom  
od dodira, za spajanje pomoću trostrukog navoja, stalne  
radne temperature 175 °C ili 200 °C – Dio 002: Specifikacije  
značajki i položaj kontakata

prEN 15496 en  
Cycles – Requirements and test methods for cycle locks  
Bicikli – Zahtjevi i metode ispitivanja za uređaje za  
zaključavanje bicikla

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

prEN IEC 60794-1-306:2022 en  
Optical fibre cables – Part 1-306: Generic specification – Basic  
optical cable test procedures – Cable element test methods  
– Ribbon torsion, Method G6 (IEC 60794-1-306 ED1)  
Svjetlovodni kabeli – Dio 1-306: Generička specifikacija  
– Osnovni postupci ispitivanja svjetlovodnih kabela – Metode  
ispitivanja elemenata kabela – Torzija traka, metoda G6  
(IEC 60794-1-306 ED1)

prEN IEC 60794-1-308:2022 en  
Optical fibre cables – Part 1-308: Generic specification – Basic  
optical cable test procedures – Cable element test methods  
– Ribbon residual twist test, G8 (IEC 60794-1-308 ED1)  
Svjetlovodni kabeli – Dio 1-308: Generička specifikacija  
– Osnovni postupci ispitivanja svjetlovodnih kabela – Metode  
ispitivanja elemenata kabela – Ispitivanje rezidualne torzije  
trake, G8 (IEC 60794-1-308 ED1)

prEN IEC 60904-2:2022 en  
Photovoltaic devices – Part 2: Requirements for photovoltaic  
reference devices (IEC 60904-2 ED4)  
Fotonaponski uređaji – 2. dio: Zahtjevi za referentne  
fotonaponske uređaje (IEC 60904-2 ED4)

prEN IEC 61249-2-51:2022 en  
Materials for printed boards and other interconnecting  
structures – Part 2-51: Reinforced base materials, clad and  
unclad – Base materials for Integrated Circuit card carrier  
tape, unclad (IEC 61249-2-51 ED1)

prEN IEC 61280-1-4:2022 en  
Fibre optic communication subsystem test procedures  
– Part 1-4: General communication subsystems – Light source  
encircled flux measurement method (IEC 61280-1-4 ED3)

prEN IEC 61291-2:2022 en  
Optical amplifiers – Part 2: Single channel applications  
– Performance specification template (IEC 61291-2 ED5)  
Optička pojačala – 2. dio: Jednokanalne primjene – Predložak  
za specifikaciju izvedbe (IEC 61291-2 ED5)

- prEN IEC 61753-081-02:2022 en  
Fibre optic interconnecting devices and passive components – Performance standard – Part 081-02: Non-connectorized single-mode fibre optic middle-scale 1 x N DWDM devices for category C – Controlled environments (IEC 61753-081-02 ED1)
- prEN IEC 61967-8:2022 en  
Integrated circuits – Measurement of electromagnetic emissions – Part 8: Measurement of radiated emissions – IC stripline method (IEC 61967-8 ED2)  
Integrirani krugovi – Mjerenja elektromagnetskog zračenja – 8. dio: Mjerenje emisija zračenja – Metoda trakastih vodova za IC (IEC 61967-8 ED2)
- prEN IEC 62148-22:2022 en  
Fibre optic active components and devices – Package and interface standards – Part 22: 25 Gbit/s directly modulated laser packages with temperature control unit (IEC 62148-22 ED1)
- prEN IEC 62149-4:2022 en  
Fibre optic active components and devices – Performance standards – Part 4: 1 300 nm fibre optic transceivers for Gigabit Ethernet application (IEC 62149-4 ED3)
- prEN IEC 62149-12:2022 en  
Fibre optic active components and devices – Performance standards – Part 12: Distributed feedback laser diode device for analogue radio over fibre systems (IEC 62149-12 ED1)
- prEN IEC 62343:2022 en  
Dynamic modules – Generic specification (IEC 62343 ED3)  
Dinamički moduli – Opća specifikacija (IEC 62343 ED3)
- prEN IEC 63257:2022 en  
Power line communication for DC shutdown equipment – Communication signal, physical layer (IEC 63257 ED1)  
Uređaji za komunikaciju preko energetske vodove za opremu za odvođenje istosmjernje struje – Komunikacijski signali, fizički sloj (IEC 63257 ED1)
- prEN IEC 63281-0:2022 en  
E-Transporters – Terminology and classification (IEC 63281-0 ED1)  
Električni uređaji za prijevoz – Terminologija i klasifikacija (IEC 63281-0 ED1)

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

- prEN IEC 60350-1:2022 en  
Household electric cooking appliances – Part 1: Ranges, ovens, steam ovens and grills – Methods for measuring performance (IEC 60350-1 ED3)  
Kućanski električni aparati za kuhanje – 1. dio: Štednjaci, pećnice, pećnice na paru i roštilji – Metode za mjerenje radnih značajka (IEC 60350-1 ED3)
- EN 60456:2016/prA1:2022 en  
Amendment 1 – Clothes washing machines for household use – Methods for measuring the performance (IEC 60456/AMD1 ED5)  
Amandman 1 – Perilice rublja za kućansku uporabu – Ispitne metode za mjerenje radnih značajka (IEC 60456/am1 ED5)
- prEN IEC 61591 en  
Cooking fume extractors – Methods for measuring performance (IEC 61591 ED3)  
Uređaji za izvlačenje para od kuhanja – Metode za mjerenje radnih značajka (IEC 61591 ED3)
- prEN IEC 62282-8-301:2022 en  
Fuel cell technologies – Part 8-301: Energy storage systems using fuel cell modules in reverse mode – Power to methane energy systems based on solid oxide cells including reversible operation – Performance test methods (IEC 62282-8-301 ED1)
- EN 62841-3-4:2016/prA2:2022 en  
Amendment 2 – Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 3-4: Particular requirements for transportable bench grinders (IEC 62841-3-4/am2 ED1)  
Amandman 2 – Ručni elektromotorni alati, prijenosni alati i mehanizacija za travnjake i vrtove – Sigurnost – Dio 3-4: Posebni zahtjevi za prijenosne stolne brusilice (IEC 62841-3-4/am2 ED1)
- EN 62841-3-4:2016/prAC en  
Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 3-4: Particular requirements for transportable bench grinders  
Ručni elektromotorni alati, prijenosni alati i mehanizacija za travnjake i vrtove – Sigurnost – Dio 3-4: Posebni zahtjevi za prijenosne stolne brusilice

## **1.4 Povučene hrvatske norme**

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

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

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

- HRN EN ISO 8848:2021 en  
Mala plovila – Mehanički sustavi daljinskog kormilarenja (ISO 8848:2020; EN ISO 8848:2021)  
Small craft – Remote mechanical steering systems (ISO 8848:2020; EN ISO 8848:2021)  
- zamijenjena s: HRN EN ISO 8848:2022
- HRN EN ISO 10592:2017 en  
Mala plovila – Hidraulički kormilarski sustav (ISO 10592:1994; EN ISO 10592:2017)  
Small craft – Hydraulic steering systems (ISO 10592:1994; EN ISO 10592:2017)  
- zamijenjena s: HRN EN ISO 10592:2022
- HRN EN ISO 11606:2001 en  
Brodski i pomorska tehnologija – Pomorski elektromagnetski kompas (ISO 11606:2000; EN ISO 11606:2001)  
Ships and marine technology – Marine electromagnetic compasses (ISO 11606:2000; EN ISO 11606:2001)  
- bez zamjene
- HRN EN ISO 15540:2003 en  
Brodovi i pomorska tehnologija – Vatrootpornost crijeva i spojeva – Metode ispitivanja (ISO 15540:1999; EN ISO 15540:2001)  
Ships and marine technology – Fire resistance of hose assemblies – Test methods (ISO 15540:1999; EN ISO 15540:2001)  
- bez zamjene
- HRN EN ISO 15541:2003 en  
Brodovi i pomorska tehnologija – Vatrootpornost crijeva i spojeva – Zahtjevi za ispitni stol (ISO 15541:1999; EN ISO 15541:2001)  
Ships and marine technology – Fire resistance of hose assemblies – Requirements for the test bench (ISO 15541:1999; EN ISO 15541:2001)  
- bez zamjene

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

- HRN EN 12916:2019 en  
Naftni proizvodi – Određivanje tipova aromatskih ugljikovodika u srednjim destilatima – Metoda tekućinske kromatografije visokog učinka uz određivanje indeksa loma (EN 12916:2019)  
Petroleum products – Determination of aromatic hydrocarbon types in middle distillates – High performance liquid chromatography method with refractive index detection (EN 12916:2019)  
- zamijenjena s: HRN EN 12916:2022

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

- HRN EN ISO 17636-1:2014 en  
Nerazorno ispitivanje zavarenih spojeva – Radiografsko ispitivanje – 1. dio: Tehnike snimanja rendgenom i izotopom primjenom filma (ISO 17636-1:2013; EN ISO 17636-1:2013)  
Non-destructive testing of welds – Radiographic testing – Part 1: X- and gamma-ray techniques with film (ISO 17636-1:2013; EN ISO 17636-1:2013)  
- zamijenjena s: HRN EN ISO 17636-1:2022

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

- HRN EN 12102-1:2017 en  
Klimatizacijski uređaji, rashladnici kapljevine, dizalice topline, procesni rashladnici i odvlaživači s kompresorima na električni pogon – Određivanje razine zvučne snage – 1. dio: Klimatizacijski uređaji, rashladnici kapljevine, dizalice topline za grijanje i hlađenje prostora, odvlaživači i procesni rashladnici (EN 12102-1:2017)  
Air conditioners, liquid chilling packages, heat pumps, process chillers and dehumidifiers with electrically driven compressors – Determination of the sound power level – Part 1: Air conditioners, liquid chilling packages, heat pumps for space heating and cooling, dehumidifiers and process chillers (EN 12102-1:2017)  
- zamijenjena s: HRN EN 12102-1:2022



HRN EN 14825:2019 en

Klimatizacijski uređaji, rashladnici kapljevina i dizalice topline s kompresorima na električni pogon za grijanje i hlađenje prostora – Ispitivanje i mjerenje učinka pri uvjetima djelomičnog opterećenja i proračun sezonskih značajka (EN 14825:2018)  
Air conditioners, liquid chilling packages and heat pumps, with electrically driven compressors, for space heating and cooling – Testing and rating at part load conditions and calculation of seasonal performance (EN 14825:2018)  
- zamijenjena s: HRN EN 14825:2022

HRN EN 16583:2015 en

Izmjenjivači topline – Izmjenjivači topline voda-zrak s ventilatorom namijenjeni za prostorije – Određivanje razine zvučne snage (EN 16583:2015)  
Heat exchangers – Hydronic room fan coils units – Determination of the sound power level (EN 16583:2015)  
- zamijenjena s: HRN EN 16583:2022

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

HRN EN 12369-3:2009 en

Ploče na osnovi drva – Karakteristične vrijednosti za projektiranje konstrukcija – 3. dio: Ploče od masivnoga drva (EN 12369-3:2008)  
Wood-based panels – Characteristic values for structural design – Part 3: Solid-wood panels (EN 12369-3:2008)  
- zamijenjena s: HRN EN 12369-3:2022

HRN EN 13353:2011 en

Ploče iz masivnog drva (SWP) – Zahtjevi (EN 13353:2008+A1:2011)  
Solid wood panels (SWP) – Requirements (EN 13353:2008+A1:2011)  
- zamijenjena s: HRN EN 13353:2022

## **HZN/TO 120, *Koža i obuća***

HRN EN 13336:2012 en

Koža – Značajke kože za presvlake – Upute za odabir kože za namještaj (EN 13336:2012)  
Leather – Upholstery leather characteristics – Guide for selection of leather for furniture (EN 13336:2012)  
- zamijenjena s: HRN EN 13336:2022

HRN EN ISO 15701:2015 en

Koža – Ispitivanja postojanosti obojenja – Postojanost obojenja na migraciju u polimerni materijal (ISO 15701:2015; EN ISO 15701:2015)  
Leather – Tests for colour fastness – Colour fastness to migration into polymeric material (ISO 15701:2015; EN ISO 15701:2015)  
- zamijenjena s: HRN EN ISO 15701:2022

HRN EN 16223:2012 en

Koža – Zahtjevi za označivanje i opis kože za presvlake i unutrašnjost automobila (EN 16223:2012)  
Leather – Requirements for the designation and description of leather in upholstery and automotive interior applications (EN 16223:2012)  
- zamijenjena s: HRN EN 16223-1:2022, HRN EN 16223-2:2022

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

HRN CR 14539:2005 en

Ravnolančana gnojiva s amonijem nitratom – Usporedna studija određivanja poroznosti (zadržavanje ulja) (CR 14539:2002)  
Straight ammonium nitrate fertilizers – Comparative study on the determination of porosity (oil retention) (CR 14539:2002)  
- zamijenjena s: HRI CEN/TR 14539:2022

## **HZN/TO 136, *Namještaj***

HRN EN 527-3:2003 en

Uredski namještaj – Uredski radni stolovi – 3. dio: Metode ispitivanja za određivanje stabilnosti i mehaničke čvrstoće strukture (EN 527-3:2003)  
Office furniture – Work tables and desks – Part 3: Methods of test for the determination of the stability and the mechanical strength of the structure (EN 527-3:2003)  
- bez zamjene

HRS CEN/TS 16209:2011 en

Namještaj – Razredba svojstava za površine namještaja (CEN/TS 16209:2011)  
Furniture – Classification for properties for furniture surfaces (CEN/TS 16209:2011)  
- zamijenjena s: HRS CEN/TS 16209:2022

## **HZN/TO 172, *Optika i optički instrumenti***

HRN EN ISO 8980-3:2014 en

Oftalmološka optika – Neoblikovane gotove naočalne leće – 3. dio: Specifikacije transmisancije i metode ispitivanja (ISO 8980-3:2013; EN ISO 8980-3:2013)  
Ophthalmic optics – Uncut finished spectacle lenses – Part 3: Transmittance specifications and test methods (ISO 8980-3:2013; EN ISO 8980-3:2013)  
- zamijenjena s: HRN EN ISO 8980-3:2022

HRN EN ISO 15254:2010 en

Oftalmološka optika i instrumenti – Elektro-optička sredstva za pojačavanje slabog vida (ISO 15254:2009; EN ISO 15254:2009)  
Ophthalmic optics and instruments – Electro-optical devices for enhancing low vision (ISO 15254:2009; EN ISO 15254:2009)  
- zamijenjena s: HRN EN ISO 15253:2021

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

HRN EN 81-70:2021 en

Sigurnosna pravila za konstrukciju i ugradnju dizala – Posebna primjena za osobna dizala i osobna teretna dizala – 70. dio: Pristupačnost dizalima za osobe s posebnim potrebama (EN 81-70:2021)  
Safety rules for the construction and installation of lifts – Particular applications for passenger and goods passenger lift – Part 70: Accessibility to lifts for persons including persons with disability (EN 81-70:2021)  
- zamijenjena s: HRN EN 81-70:2022

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

HRI CEN/TR 16411:2020 en

Proizvodi za dojenčad i malu djecu – Kompilacija tumačenja norma iz područja rada CEN/TC 252 (CEN/TR 16411:2019)  
Child care articles – Compiled interpretations of CEN/TC 252 standards (CEN/TR 16411:2019)  
- zamijenjena s: HRI CEN/TR 16411:2022

## **HZN/TO 190, *Kvaliteta tla***

HRN ISO 11271:2004 en

Kakvoća tla – Određivanje redoks potencijala – Metoda mjerenja u poljskim uvjetima (ISO 11271:2002)  
Soil quality – Determination of redox potential – Field method (ISO 11271:2002)  
- bez zamjene

HRN ISO 11466:2004 en

Kakvoća tla – Ekstrakcija elemenata topljivih u zlatotopci (ISO 11466:1995)  
Soil quality – Extraction of trace elements soluble in aqua regia (ISO 11466:1995)  
- bez zamjene

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

HRN EN ISO 19105:2008 en

Geoinformacije – Uskladjivanje i provjera (ISO 19105:2000; EN ISO 19105:2005)  
Geographic information – Conformance and testing (ISO 19105:2000; EN ISO 19105:2005)  
- zamijenjena s: HRN EN ISO 19105:2022

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

HRN CR 10313:2007 en

Razredba vrsta čelika – Primjeri razredbe prema europskim normama (CR 10313:2000)  
Classification of grades of steel – Examples of classification related to European Standards (CR 10313:2000)  
- bez zamjene

HRN EN 12392:2016 en

Aluminij i aluminijeve legure – Gnječeni proizvodi i lijevani proizvodi – Posebni zahtjevi za proizvode za izradu tlačne opreme (EN 12392:2016)  
Aluminium and aluminium alloys – Wrought products and cast products – Special requirements for products intended for the production of pressure equipment (EN 12392:2016)  
- zamijenjena s: HRN EN 12392:2022

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

HRN EN 15399:2019 en  
Plinska infrastruktura – Sustavi upravljanja sigurnošću za plinske mreže s najvećim radnim tlakom do 16 bara i uključujući 16 bara (EN 15399:2018)  
Gas infrastructure – Safety Management System for Gas Networks with maximum operating pressure up to and including 16 bar (EN 15399:2018)  
- zamijenjena s: HRN EN 17649:2022

HRN EN 16348:2014 en  
Plinska infrastruktura – Sustav upravljanja sigurnošću (SMS) za infrastrukturu prijenosa plina i sustav upravljanja cjelovitošću sustava cjevovoda (PIMS) za cjevovode za prijenos plina – Funkcionalni zahtjevi (EN 16348:2013)  
Gas infrastructure – Safety Management System (SMS) for gas transmission infrastructure and Pipeline Integrity Management System (PIMS) for gas transmission pipelines – Functional requirements (EN 16348:2013)  
- zamijenjena s: HRN EN 17649:2022

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

HRN EN ISO 19901-2:2018 en  
Industrija nafte i prirodnoga plina – Posebni zahtjevi za odobalne konstrukcije – 2. dio: Postupci i kriteriji projektiranja konstrukcija otpornih na potrese (ISO 19901-2:2017; EN ISO 19901-2:2017)  
Petroleum and natural gas industries – Specific requirements for offshore structures – Part 2: Seismic design procedures and criteria (ISO 19901-2:2017; EN ISO 19901-2:2017)  
- zamijenjena s: HRN EN ISO 19901-2:2022

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

HRN CR 13582:2007 en  
Ugradnja mjerila toplinske energije – Neke smjernice za odabir, ugradnju i uporabu mjerila toplinske energije (CR 13582:1999)  
Heat meter installation – Some guidelines for selecting, installation and operation of heat meters (CR 13582:1999)  
- bez zamjene

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

HRN EN 15531-1:2015 en  
Javni prijevoz – Sučelje servisa za informiranje o statusu javnoga prijevoza u realnom vremenu – 1. dio: Okruženje i okvir (EN 15531-1:2015)  
Public transport – Service interface for real-time information relating to public transport operations – Part 1: Context and framework (EN 15531-1:2015)  
- zamijenjena s: HRN EN 15531-1:2022

HRN EN 15531-3:2015 en  
Javni prijevoz – Sučelje servisa za informiranje o statusu javnoga prijevoza u realnom vremenu – 3. dio: Funkcionalna sučelja servisa (EN 15531-3:2015)  
Public transport – Service interface for real-time information relating to public transport operations – Part 3: Functional service interfaces (EN 15531-3:2015)  
- zamijenjena s: HRN EN 15531-3:2022

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

HRN EN 12847:2009 en  
Bitumen i bitumenska veziva – Određivanje sklonosti taloženju bitumenskih emulzija (EN 12847:2009)  
Bitumen and bituminous binders – Determination of settling tendency of bituminous emulsions (EN 12847:2009)  
- zamijenjena s: HRN EN 12847:2022

HRN EN 12850:2009 en  
Bitumen i bitumenska veziva – Određivanje pH vrijednosti bitumenskih emulzija (EN 12850:2009)  
Bitumen and bituminous binders – Determination of the pH value of bituminous emulsions (EN 12850:2009)  
- zamijenjena s: HRN EN 12850:2022

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

HRN EN 13481-2:2017 en  
Željeznički sustav – Željeznički gornji ustroj – Zahtjevi za izradbu kolosiječnoga pričvrstnog pribora – 2. dio: Kolosiječni pričvrstni pribor za betonske pragove (EN 13481-2:2012+A1:2017)  
Railway applications – Track – Performance requirements for fastening systems – Part 2: Fastening systems for concrete sleepers (EN 13481-2:2012+A1:2017)  
- zamijenjena s: HRN EN 13481-2:2022

HRN EN 13481-3:2012 en  
Željeznički sustav – Željeznički gornji ustroj – Zahtjevi za izradbu kolosiječnoga pričvrstnog pribora – 3. dio: Kolosiječni pričvrstni pribor za drvene pragove (EN 13481-3:2012)  
Railway applications – Track – Performance requirements for fastening systems – Part 3: Fastening systems for wood sleepers (EN 13481-3:2012)  
- zamijenjena s: HRN EN 13481-3:2022

HRN EN 13481-4:2012 en  
Željeznički sustav – Željeznički gornji ustroj – Zahtjevi za izradbu kolosiječnoga pričvrstnog pribora – 4. dio: Kolosiječni pričvrstni pribor za čelične pragove (EN 13481-4:2012)  
Railway applications – Track – Performance requirements for fastening systems – Part 4: Fastening systems for steel sleepers (EN 13481-4:2012)  
- zamijenjena s: HRN EN 13481-4:2022

HRN EN 13481-5:2017 en  
Željeznički sustav – Željeznički gornji ustroj – Zahtjevi za izradbu kolosiječnoga pričvrstnog pribora – 5. dio: Kolosiječni pričvrstni pribor za kolosijek na čvrstoj podlozi s tračnicama na površini ili s tračnicama umetnutima u kanal (EN 13481-5:2012+A1:2017)  
Railway applications – Track – Performance requirements for fastening systems – Part 5: Fastening systems for slab track with rail on the surface or rail embedded in a channel (EN 13481-5:2012+A1:2017)  
- zamijenjena s: HRN EN 13481-5:2022

HRN EN 13481-7:2012 en  
Željeznički sustav – Željeznički gornji ustroj – Zahtjevi za izradbu kolosiječnoga pričvrstnog pribora – 7. dio: Specijalni kolosiječni pričvrstni pribor za skretnice, križišta i tračnice vodilice (EN 13481-7:2012)  
Railway applications – Track – Performance requirements for fastening systems – Part 7: Special fastening systems for switches and crossings and check rails (EN 13481-7:2012)  
- zamijenjena s: HRN EN 13481-7:2022

HRN EN 14067-6:2018 en  
Željeznički sustav – Aerodinamika – 6. dio: Zahtjevi i postupci ispitivanja za udare bočnog vjetrova (EN 14067-6:2018)  
Railway applications – Aerodynamics – Part 6: Requirements and test procedures for cross wind assessment (EN 14067-6:2018)  
- zamijenjena s: HRN EN 14067-6:2022

HRN EN 16116-1:2013 en  
Željeznički sustav – Projektni zahtjevi za stepenice, rukohvate i prateće dodatke za osoblje – 1. dio: Putnička vozila, vozila za prtljagu i lokomotive (EN 16116-1:2013)  
Railway applications – Design requirements for steps, handrails and associated access for staff – Part 1: Passenger vehicles, luggage vans and locomotives (EN 16116-1:2013)  
- zamijenjena s: HRN EN 16116-1:2022

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

HRN EN 528:2021 en  
Oprema regalnih uređaja na tračnicama – Sigurnosni zahtjevi (EN 528:2021)  
Rail dependent storage and retrieval equipment – Safety requirements for S/R machines (EN 528:2021)  
- zamijenjena s: HRN EN 528:2022

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

HRN EN ISO 7622-2:2015 en  
Transportne trake s čeličnom užadi – Ispitivanje uzdužnim zatezanjem – Mjerenje prekidne čvrstoće (ISO 7622-2:2015; EN ISO 7622-2:2015)  
Steel cord conveyor belts – Longitudinal traction test – Part 2: Measurement of tensile strength (ISO 7622-2:2015; EN ISO 7622-2:2015)  
- zamijenjena s: HRN EN ISO 7622-2:2022

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

HRN EN ISO 1133-1:2012 en  
Plastika – Određivanje brzine masenog protoka taline (MFR) i volumne brzine taline (MVR) plastomera – 1. dio: Standardna metoda (ISO 1133-1:2011; EN ISO 1133-1:2011)  
Plastics – Determination of the melt mass-flow rate (MFR) and melt volume-flow rate (MVR) of thermoplastics – Part 1: Standard method (ISO 1133-1:2011; EN ISO 1133-1:2011)  
- zamijenjena s: HRN EN ISO 1133-1:2022

HRN EN ISO 11403-2:2012 en  
Plastika – Prikupljanje i prikaz usporedivih podataka dobivenih iz više mjerenja u širem ispitnom području – 2. dio: Toplinska i preradbeno svojstva (ISO 11403-2:2012; EN ISO 11403-2:2012)  
Plastics – Acquisition and presentation of comparable multipoint data – Part 2: Thermal and processing properties (ISO 11403-2:2012; EN ISO 11403-2:2012)  
- zamijenjena s: HRN EN ISO 11403-2:2022

HRN EN ISO 16396-2:2017 en  
Plastika – Poliamidni (PA) materijali za kalupljenje i ekstrudiranje – 2. dio: Priprema ispitaka i određivanje svojstava (ISO 16396-2:2017; EN ISO 16396-2:2017)  
Plastics – Polyamide (PA) moulding and extrusion materials – Part 2: Preparation of test specimens and determination of properties (ISO 16396-2:2017; EN ISO 16396-2:2017)  
- zamijenjena s: HRN EN ISO 16396-2:2022

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

HRN EN 14885:2018 en  
Kemijski dezinficijensi i antiseptici – Primjena europskih norma za kemijske dezinficijense i antiseptike (EN 14885:2018)  
Chemical disinfectants and antiseptics – Application of European Standards for chemical disinfectants and antiseptics (EN 14885:2018)  
- zamijenjena s: HRN EN 14885:2022

HRN EN 16616:2015 en  
Kemijski dezinficijensi i antiseptici – Kemijsko-toplinska dezinfekcija tekstila – Metoda ispitivanja i zahtjevi (faza 2, korak 2) (EN 16616:2015)  
Chemical disinfectants and antiseptics – Chemical-thermal textile disinfection – Test method and requirements (phase 2, step 2) (EN 16616:2015)  
- zamijenjena s: HRN EN 16616:2022

## **HZN/TO 543, *Poštanske usluge***

HRN CEN/TS 14441:2007 en  
Poštanske usluge – Skupne pošiljke – Stvaranje, razrada i praćenje (CEN/TS 14441:2005)  
Postal services – Mail aggregates – Creation, processing and tracking (CEN/TS 14441:2005)  
- bez zamjene

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

HRN EN ISO 4014:2012 en  
Vijci sa šesterokutnom glavom – Proizvod razreda A i B (ISO 4014:2011; EN ISO 4014:2011)  
Hexagon head bolts – Product grades A and B (ISO 4014:2011; EN ISO 4014:2011)  
- zamijenjena s: HRN EN ISO 4014:2022

HRN EN ISO 4016:2012 en  
Vijci sa šesterokutnom glavom – Proizvod razreda C (ISO 4016:2011; EN ISO 4016:2011)  
Hexagon head bolts – Product grade C (ISO 4016:2011; EN ISO 4016:2011)  
- zamijenjena s: HRN EN ISO 4016:2022

HRN EN ISO 4017:2014 en  
Spojni elementi – Vijci sa šesterokutnom glavom i navojem do glave – Proizvod razreda A i B (ISO 4017:2014; EN ISO 4017:2014)  
Fasteners – Hexagon head screws – Product grades A and B (ISO 4017:2014; EN ISO 4017:2014)  
- zamijenjena s: HRN EN ISO 4017:2022

HRN EN ISO 4018:2012 en  
Vijci sa šesterokutnom glavom i navojem do glave – Proizvod razreda C (ISO 4018:2011; EN ISO 4018:2011)  
Hexagon head screws – Product grade C (ISO 4018:2011; EN ISO 4018:2011)  
- zamijenjena s: HRN EN ISO 4018:2022

HRN EN ISO 8676:2012 en  
Vijci sa šesterokutnom glavom i finim metričkim navojem – Proizvod razreda A i B (ISO 8676:2011; EN ISO 8676:2011)  
Hexagon head screws with metric fine pitch thread – Product grades A and B (ISO 8676:2011; EN ISO 8676:2011)  
- zamijenjena s: HRN EN ISO 8676:2022

HRN EN ISO 8765:2012 en  
Vijci sa šesterokutnom glavom i finim metričkim navojem – Proizvod razreda A i B (ISO 8765:2011; EN ISO 8765:2011)  
Hexagon head bolts with metric fine pitch thread – Product grades A and B (ISO 8765:2011; EN ISO 8765:2011)  
- zamijenjena s: HRN EN ISO 8765:2022

HRN EN 24015:2005 en  
Vijci sa šesterokutnom glavom – Proizvod kvalitete izrade B – Suženi struk vijka (promjer struka približno jednak srednjemu promjeru navoja) (ISO 4015:1979; EN 24015:1991)  
Hexagon head bolts – Product grade B – Reduced shank (Shank diameter = pitch diameter) (ISO 4015:1979; EN 24015:1991)  
- zamijenjena s: HRN EN ISO 4015:2022

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

HRN EN 1491:2005 en  
Ventili u zgradama – Ekspanzijski ventili – Ispitivanja i zahtjevi (EN 1491:2000)  
Building valves – Expansion valves – Tests and requirements (EN 1491:2000)  
- zamijenjena s: HRN EN 1491:2022

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

HRI CEN/TR 14060:2015 en  
Sljedivost medicinskih sredstava omogućena na temelju jedinstvene identifikacije (UDI) (CEN/CLC/TR 14060:2014)  
Medical device traceability enabled by unique device identification (UDI) (CEN/CLC/TR 14060:2014)  
- bez zamjene

HRN EN ISO 14644-8:2013 en  
Čisti prostori i odgovarajući kontrolirani okoliš – 8. dio: Razredba čistoće zraka prema kemijskoj koncentraciji (ISO 14644-8:2013; EN ISO 14644-8:2013)  
Cleanrooms and associated controlled environments – Part 8: Classification of air cleanliness by chemical concentration (ACC) (ISO 14644-8:2013; EN ISO 14644-8:2013)  
- zamijenjena s: HRN EN ISO 14644-8:2022

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

HRN EN ISO 12312-1:2013 en  
Zaštita očiju i lica – Sunčane naočale i očna pomagala – 1. dio: Sunčane naočale za opću uporabu (ISO 12312-1:2013; EN ISO 12312-1:2013)  
Eye and face protection – Sunglasses and related eyewear – Part 1: Sunglasses for general use (ISO 12312-1:2013; EN ISO 12312-1:2013)  
- zamijenjena s: HRN EN ISO 12312-1:2022

HRN EN ISO 12312-1:2013/A1:2015 en  
Zaštita očiju i lica – Sunčane naočale i očna pomagala – 1. dio: Sunčane naočale za opću uporabu (ISO 12312-1:2013/Amd 1:2015; EN ISO 12312-1:2013/A1:2015)  
Eye and face protection – Sunglasses and related eyewear – Part 1: Sunglasses for general use (ISO 12312-1:2013/Amd 1:2015; EN ISO 12312-1:2013/A1:2015)  
- zamijenjena s: HRN EN ISO 12312-1:2022

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

HRN EN 15776:2015 en  
Neložene tlačne posude – Zahtjevi za projektiranje i proizvodnju tlačnih posuda i tlačnih dijelova posuda izrađenih od željeznog lijeva s elongacijom (istezljivošću) 15 % ili manjom (EN 15776:2011+A1:2015)  
Unfired pressure vessels – Requirements for the design and fabrication of pressure vessels and pressure parts constructed from cast iron with an elongation after fracture equal or less than 15 % (EN 15776:2011+A1:2015)  
- zamijenjena s: HRN EN 15776:2022

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

HRN EN ISO 28881:2013 en  
Alatni strojevi – Sigurnost – Strojevi za elektroeroziju  
(ISO 28881:2013; EN ISO 28881:2013)  
Machine tools – Safety – Electro-discharge machines  
(ISO 28881:2013; EN ISO 28881:2013)  
- zamijenjena s: HRN EN ISO 28881:2022

HRN EN ISO 28881:2013/Ispr.1:2014 en  
Alatni strojevi – Sigurnost – Strojevi za elektroeroziju  
– Tehnički ispravak 1 (ISO 28881:2013/Cor 1:2013;  
EN ISO 28881:2013/AC:2013)  
Machine tools – Safety – Electro-discharge machines  
– Technical Corrigendum 1 (ISO 28881:2013/Cor 1:2013;  
EN ISO 28881:2013/AC:2013)  
- zamijenjena s: HRN EN ISO 28881:2022

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

HRN EN 12355:2010 en  
Strojevi za preradu hrane – Strojevi za odvajanje/ljuštenje  
kože i odvajanje mesnog dijela – Sigurnosni i higijenski  
zahtjevi (EN 12355:2003+A1:2010)  
Food processing machinery – Derinding-, skinning- and  
membrane removal machines – Safety and hygiene  
requirements (EN 12355:2003+A1:2010)  
- zamijenjena s: HRN EN 12355:2022

HRN EN 13732:2013 en  
Strojevi za preradu hrane – Hladnjaci za mlijeko u rinfuzi  
na farmama – Zahtjevi za izvedbu, sigurnost i higijenu  
(EN 13732:2013)  
Food processing machinery – Bulk milk coolers on farms  
– Requirements for performance, safety and hygiene  
(EN 13732:2013)  
- zamijenjena s: HRN EN 13732:2022

HRN EN 13885:2010 en  
Strojevi za preradu hrane – Strojevi za zatvaranje – Sigurnosni  
i higijenski zahtjevi (EN 13885:2005+A1:2010)  
Food processing machinery – Clipping machines – Safety  
and hygiene requirements (EN 13885:2005+A1:2010)  
- zamijenjena s: HRN EN 13885:2022

## **HZN/TO 566, *Mlijeko i mliječni proizvodi***

HRN ISO 21543:2007 en  
Mliječni proizvodi – Smjernice za primjenu NIR spektrometrije  
(ISO 21543:2006)  
Milk products – Guidelines for the application of near infrared  
spectrometry (ISO 21543:2006)  
- zamijenjena s: HRN ISO 21543:2022

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

HRN EN 1186-2:2004 en  
Materijali i predmeti u kontaktu s namirnicama – Plastika  
– 2. dio: Metode ispitivanja globalne migracije nakon potpunog  
uranjanja predmeta u maslinovo ulje (EN 1186-2:2002)  
Materials and articles in contact with foodstuffs – Plastics  
– Part 2: Test methods for overall migration into olive oil by  
total immersion (EN 1186-2:2002)  
- zamijenjena s: HRN EN 1186-2:2022

HRN EN 1186-4:2004 en  
Materijali i predmeti u kontaktu s namirnicama – Plastika  
– 4. dio: Metode ispitivanja globalne migracije iz pojedinih  
dodirnih dijelova predmeta u maslinovo ulje (EN 1186-4:2002)  
Materials and articles in contact with foodstuffs – Plastics  
– Part 4: Test methods for overall migration into olive oil by  
cell (EN 1186-4:2002)  
- zamijenjena s: HRN EN 1186-2:2022

HRN EN 1186-6:2004 en  
Materijali i predmeti u kontaktu s namirnicama – Plastika  
– 6. dio: Metode ispitivanja globalne migracije iz polimernih  
lamina oblikovanih u vrećice u maslinovo ulje (EN 1186-6:2002)  
Materials and articles in contact with foodstuffs – Plastics  
– Part 6: Test methods for overall migration into olive oil using  
a pouch (EN 1186-6:2002)  
- zamijenjena s: HRN EN 1186-2:2022

HRN EN 1186-8:2004 en  
Materijali i predmeti u kontaktu s namirnicama – Plastika  
– 8. dio: Metode ispitivanja globalne migracije predmeta koji  
su ispunjeni maslinovim uljem (EN 1186-8:2002)  
Materials and articles in contact with foodstuffs – Plastics  
– Part 8: Test methods for overall migration into olive oil by  
article filling (EN 1186-8:2002)  
- zamijenjena s: HRN EN 1186-2:2022

HRN EN 1186-10:2005 en  
Materijali i proizvodi u kontaktu s namirnicama – Plastika  
– 10. dio: Metode ispitivanja globalne migracije u  
maslinovo ulje (modificirana metoda koja se upotrebljava u  
slučajevima pojave nepotpune ekstrakcije maslinovog ulja)  
(EN 1186-10:2002)  
Materials and articles in contact with foodstuffs – Plastics  
– Part 10: Test methods for overall migration into olive oil  
(modified method for use in case where incomplete extraction  
of olive oil occurs) (EN 1186-10:2002)  
- zamijenjena s: HRN EN 1186-2:2022

HRN EN 1186-12:2004 en  
Materijali i predmeti u kontaktu s namirnicama – Plastika  
– 12. dio: Metode ispitivanja globalne migracije pri niskim  
temperaturama (EN 1186-12:2002)  
Materials and articles in contact with foodstuffs – Plastics  
– Part 12: Test methods for overall migration at low  
temperatures (EN 1186-12:2002)  
- zamijenjena s: HRN EN 1186-2:2022

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

HRN EN 13451-3:2016 en  
Oprema za bazene – 3. dio: Dodatni posebni sigurnosni  
zahtjevi i metode ispitivanja za dovode i odvođe i naprave za  
zabavu na temelju vode/zraka (EN 13451-3:2011+A3:2016)  
Swimming pool equipment – Part 3: Additional specific  
safety requirements and test methods for inlets  
and outlets and water/air based water leisure features  
(EN 13451-3:2011+A3:2016)  
- zamijenjena s: HRN EN 13451-3:2022

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

HRS CEN/TS 16188:2012 en  
Muljevi, obrađeni biootpad i tlo – Određivanje elemenata  
razgradnjom sa zlatotopkom i dušičnom kiselinom – Metoda  
plamene atomske apsorpcijske spektrometrije (FAAS)  
(CEN/TS 16188:2012)  
Sludge, treated biowaste and soil – Determination of elements  
in aqua regia and nitric acid digests – Flame atomic absorption  
spectrometry method (FAAS) (CEN/TS 16188:2012)  
- bez zamjene

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

HRN EN 50129:2007 hr-en  
Željeznički sustav – Komunikacijska i signalna tehnika i  
sustavi obrade podataka – Elektronički sustavi za signalnu  
tehniku povezani sa sigurnošću (EN 50129:2003)  
Railway applications – Communication, signalling and  
processing systems – Safety related electronic systems for  
signalling (EN 50129:2003)  
- zamijenjena s: HRN EN 50129:2018

HRN EN 50129:2007/Ispr.1:2014 hr-en  
Željeznički sustav – Komunikacijska i signalna tehnika i  
sustavi obrade podataka – Elektronički sustavi za signalnu  
tehniku povezani sa sigurnošću (EN 50129:2003/AC:2010)  
Railway applications – Communication, signalling and  
processing systems – Safety related electronic systems for  
signalling (EN 50129:2003/AC:2010)  
- zamijenjena s: HRN EN 50129:2018

## **HZN/TO E20, *Električni kabeli***

HRN HD 605 S2:2008 en  
Električni kabeli – Dodatne ispitne metode (HD 605 S2:2008)  
Electric cables – Additional test methods (HD 605 S2:2008)  
- zamijenjena s: HRN HD 605 S3:2019

HRN HD 629.1 S2:2007 en  
Ispitni zahtjevi za pribor za energetske kabele nazivnog  
napona od 3,6/6 (7,2) kV do 20,8/36 (42) kV – 1. dio: Kabeli s  
ekstrudiranom izolacijom (HD 629.1 S2:2006)  
Test requirements on accessories for use on power cables of  
rated voltage from 3,6/6 (7,2) kV up to 20,8/36 (42) kV – Part 1:  
Cables with extruded insulation (HD 629.1 S2:2006)  
- zamijenjena s: HRN HD 629-1-S3:2019

HRN HD 629.1 S2:2007/A1:2008 en  
Ispitni zahtjevi za pribor za energetske kabele nazivnog napona od 3,6/6(7,2) kV do 20,8/36(42) kV – 1. dio: Kabeli s ekstrudiranom izolacijom (HD 629.1 S2:2006/A1:2008)  
Test requirements on accessories for use on power cables of rated voltage from 3,6/6(7,2) kV up to 20,8/36(42) kV – Part 1: Cables with extruded insulation (HD 629.1 S2:2006/A1:2008)  
- zamijenjena s: HRN HD 629-1-S3:2019

HRN EN 50362:2007 en  
Metoda ispitivanja izdržljivosti u vatri nezaštićenih energetskih i signalnih kabela velikog promjera za primjenu u sigurnosnim sustavima (EN 50362:2003)  
Method of test for resistance to fire of larger unprotected power and control cables for use in emergency circuits (EN 50362:2003)  
- zamijenjena s: HRN EN IEC 60331-1:2019

HRN EN 61238-1:2007 en  
Tlačne i vijčane spojne čahure za energetske kabele nazivnog napona do 36 kV (Um = 42 kV) – 1. dio: Ispitne metode i zahtjevi (IEC 61238-1:2003, modified; EN 61238-1:2003)  
Compression and mechanical connectors for power cables for rated voltages up to 36 kV (Um = 42 kV) – Part 1: Test methods and requirements (IEC 61238-1:2003, modified; EN 61238-1:2003)  
- zamijenjena s: HRN EN IEC 61238-1-1:2019,  
HRN EN IEC 61238-1-2:2019, HRN EN IEC 61238-1-3:2019

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

HRN EN 50499:2012  
Postupak procjene izloženosti radnika elektromagnetskim poljima (EN 50499:2008)  
Procedure for the assessment of the exposure of workers to electromagnetic fields (EN 50499:2008)  
- zamijenjena s HRN EN 50499:2019

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

HRN EN 651:2013 en  
Elastične podne obloge – Poli(vinil-kloridne) podne obloge s pjenastim slojem – Specifikacija (EN 651:2011)  
Resilient floor coverings – Polyvinyl chloride floor coverings with foam layer – Specification (EN 651:2011)  
- zamijenjena s: HRN EN ISO 11638:2022

HRN EN ISO 11489:2008 en  
Utvrđivanje platine u nakitu od legura platine – Gravimetrijska metoda nakon taloženja sa živinim (I) kloridom (ISO 11489:1995; EN ISO 11489:1995)  
Determination of platinum in platinum jewellery alloys – Gravimetric method after reduction with mercury(I) chloride (ISO 11489:1995; EN ISO 11489:1995)  
- bez zamjene

HRN EN 14900:2008 en  
Tekstilne podne obloge – Određivanje gustoće poleđine od tekstilnog filca (EN 14900:2006)  
Textile floor coverings – Determination of the density of the textile fleece backing (EN 14900:2006)  
- bez zamjene

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

HRN ISO 1247:1999 en  
Pigmenti za boje na osnovi aluminija (ISO 1247:1974+Amd 1:1982)  
Aluminium pigments for paints (ISO 1247:1974+Amd 1:1982)  
- bez zamjene

HRI CEN/TR 15990:2010 en  
Obrazac za upis podataka – Ispitni materijali za obuču i ispitivanje adheziva (CEN/TR 15990:2010)  
Data Sheets – Footwear Tests Materials and Test Adhesives (CEN/TR 15990:2010)  
- bez zamjene

HRI CEN/TR 15990:2010/Ispr.1:2011 en  
Obrazac za upis podataka – Ispitni materijali za obuču i ispitivanje adheziva (CEN/TR 15990:2010/AC:2010)  
Data Sheets – Footwear Tests Materials and Test Adhesives (CEN/TR 15990:2010/AC:2010)  
- bez zamjene

HRS CEN/TS 16360:2013 en  
Boje i lakovi – Premazna sredstva i premazni sustavi za drvo na vanjskim prostorima – Ocjenjivanje rastezljivosti filma utiskivanjem premaza na drveni supstrat (CEN/TS 16360:2012)  
Paints and varnishes – Coating materials and coating systems for exterior wood – Assessment of film extensibility by indentation of a coating on a wooden substrate (CEN/TS 16360:2012)  
- bez zamjene

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

HRN EN 12182:2012 en  
Pomagala za osobe s invaliditetom – Opći zahtjevi i metode ispitivanja (EN 12182:2012)  
Assistive products for persons with disability – General requirements and test methods (EN 12182:2012)  
- zamijenjena s: HRN EN ISO 21856:2022

HRN EN ISO 16201:2008 en  
Tehnička pomagala za osobe s invaliditetom – Sustavi daljinskog upravljanja uvjetima okoliša za svakodnevni život (ISO 16201:2006; EN ISO 16201:2006)  
Technical aids for disabled persons – Environmental control systems for daily living (ISO 16201:2006; EN ISO 16201:2006)  
- zamijenjena s: HRN EN ISO 21856:2022

HRN EN ISO 20342-1:2019 en  
Proizvodi koji pomažu u sprječavanju ozljeda tkiva pri dugotrajnom ležanju – 1. dio: Opći zahtjevi (ISO 20342-1:2019; EN ISO 20342-1:2019)  
Assistive products for tissue integrity when lying down – Part 1: General Requirements (ISO 20342-1:2019; EN ISO 20342-1:2019)  
- zamijenjena s: HRN EN ISO 20342-1:2022

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

HRN EN 16603-35-06:2014 en  
Svemirsko inženjerstvo – Zahtjevi u pogledu čistoće elemenata pogona svemirskih letjelica (EN 16603-35-06:2014)  
Space engineering – Cleanliness requirements for spacecraft propulsion hardware (EN 16603-35-06:2014)  
- zamijenjena s: HRN EN 16603-35-06:2022

HRN EN 16603-50-01:2014 en  
Svemirsko inženjerstvo – Povezivanje podataka o svemiru – Telemetrijska sinkronizacija i kodiranje kanala (EN 16603-50-01:2014)  
Space engineering – Space data links – Telemetry synchronization and channel coding (EN 16603-50-01:2014)  
- zamijenjena s: HRN EN 16603-50-21:2022

HRN EN 16603-50-03:2014 en  
Svemirsko inženjerstvo – Povezivanje podataka o svemiru – Telemetrijski prijenos okvirnog protokola (EN 16603-50-03:2014)  
Space engineering – Space data links – Telemetry transfer frame protocol (EN 16603-50-03:2014)  
- zamijenjena s: HRN EN 16603-50-22:2022,  
HRN EN 16603-50-23:2022

HRN EN 16603-50-04:2014 en  
Svemirsko inženjerstvo – Povezivanje podataka o svemiru – Telekomandni protokoli, sinkronizacija i kodiranje kanala (EN 16603-50-04:2014)  
Space engineering – Space data links – Telecommand protocols, synchronization and channel coding (EN 16603-50-04:2014)  
- zamijenjena s: HRN EN 16603-50-24:2022,  
HRN EN 16603-50-25:2022, HRN EN 16603-50-26:2022

HRN EN 16603-50:2014 en  
Svemirsko inženjerstvo – Komunikacije (EN 16603-50:2014)  
Space engineering – Communications (EN 16603-50:2014)  
- zamijenjena s: HRN EN 16603-50:2022

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

- **umjesto**

HRN EN ISO 21920-2:2022

Geometrijske specifikacije proizvoda (GSP) – Tekstura površine: Profil – 2. dio: Nazivlje, definicije i parametri teksture površine (ISO 21920-2:2021; EN ISO 21920-2:2022)  
Geometrical product specifications (GPS) – Surface texture: Profile – Part 2: Terms, definitions and surface texture parameters (ISO 21920-2:2021; EN ISO 21920-2:2022)

- **treba biti**

HRN EN ISO 21920-2:2022

Geometrijske specifikacije proizvoda (GSP) – Tekstura površine: Profil – 2. dio: Nazivlje, definicije i parametri teksture površine (ISO 21920-2:2021, **Ispravljena verzija 2022-06**; EN ISO 21920-2:2022)  
Geometrical product specifications (GPS) – Surface texture: Profile – Part 2: Terms, definitions and surface texture parameters (ISO 21920-2:2021, **Corrected version 2022-06**; EN ISO 21920-2:2022)

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

- **umjesto**

HRN EN 50465:2015

**Norma za europske proizvode za kombinirane sustave za grijanje koji upotrebljavaju plinsko gorivo** (EN 50465:2015)  
**European product standard for combined heating power systems using gas fuel** (EN 50465:2015)

- **treba biti**

HRN EN 50465:2015

**Plinski uređaji – Kombinirani uređaj za grijanje i proizvodnju energije nazivnog toplinskog opterećenja manjeg ili jednakog 70 kW** (EN 50465:2015)  
**Gas appliances – Combined heat and power appliance of nominal heat input inferior or equal to 70 kW** (EN 50465:2015)

## 1.7 Naslovi objavljenih hrvatskih norma na hrvatskome jeziku

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

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

HRN EN ISO 23371:2022 en pr

Anaesthetic and respiratory equipment – Cuff pressure indication, control and regulation devices (ISO 23371:2022; EN ISO 23371:2022)  
Anestetička i respiracijska oprema – Uređaji za prikaz tlaka i upravljanje tlakom u manžeti (ISO 23371:2022; EN ISO 23371:2022)

## 1.10 Prijevodi hrvatskih normativnih dokumenata

### HZN/TO 218, *Drvo*

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

HRN EN 17009:2019 hr-en pr-pp

Podovi od lignificiranih materijala, osim drva – Značajke, ocjenjivanje i provjera stalnosti svojstava i označavanje (EN 17009:2019)  
Flooring of lignified materials other than wood – Characteristics, assessment and verification of constancy of performance and marking (EN 17009:2019)

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

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

HRN EN 564:2015 hr-en pr-pp

Planinarska oprema – Pomoćna užad – Sigurnosni zahtjevi i metode ispitivanja (EN 564:2014)  
Mountaineering equipment – Accessory cord – Safety requirements and test methods (EN 564:2014)

### HZN/TO 581, *Upaljači*

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

HRN EN ISO 9994:2019 hr-en pr-pp

Upaljači – Sigurnosne specifikacije (ISO 9994:2018; EN ISO 9994:2019)  
Lighters – Safety specification (ISO 9994:2018; EN ISO 9994:2019)

HRN EN 13869:2016 hr-en pr-pp

Upaljači – Zahtjevi za sigurnost djece – Sigurnosni zahtjevi i metode ispitivanja (EN 13869:2016)  
Lighters – Child safety requirements for lighters – Safety requirements and test methods (EN 13869:2016)

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

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

HRU ISO/IEC Guide 14:2021 hr-en pr-pp

Proizvodi i povezane usluge – Obavijesti za potrošače (ISO/IEC Guide 14:2018)  
Products and related services – Information for consumers (ISO/IEC Guide 14:2018)

HRU ISO/IEC Guide 41:2021 hr-en pr-pp

Ambalaža – Preporuke za ispunjavanje potreba potrošača (ISO/IEC Guide 41:2018)  
Packaging – Recommendations for addressing consumer needs (ISO/IEC Guide 41:2018)

## 2 Rezultati međunarodne i europske normizacije

### Europska normizacija (CEN)

Oznaka norme	Naslov norme	ICS	Datum objave
EN 81-28	Safety rules for the construction and installation of lifts – Lifts for the transport of persons and goods – Part 28: Remote alarm on passenger and goods passenger lifts	13.320; 91.140.90	2022-06
EN 384+A2	Structural timber – Determination of characteristic values of mechanical properties and density	79.040	2022-06
EN 474-3/AC	Earth-moving machinery – Safety – Part 3: Requirements for loaders	53.100	2022-06
EN 474-5/AC	Earth-moving machinery – Safety – Part 5: Requirements for hydraulic excavators	53.100	2022-06
EN 497	Specification for dedicated liquefied petroleum gas appliances – Multi purpose boiling burners for outdoor use – Cooking vessels with a diameter greater than 300 mm	97.040.20	2022-06
EN 573-3+A1	Aluminium and aluminium alloys – Chemical composition and form of wrought products – Part 3: Chemical composition and form of products	77.120.10; 77.150.10	2022-06
EN 751-3	Sealing materials for metallic threaded joints in contact with 1st, 2nd and 3rd family gases and hot water – Part 3: Unsintered PTFE tapes and PTFE strings	23.040.80	2022-06
EN 899	Chemicals used for treatment of water intended for human consumption – Sulfuric acid	71.100.80	2022-06
EN 932-3	Tests for general properties of aggregates – Part 3: Procedure and terminology for simplified petrographic description	91.100.15	2022-06
EN 12252	LPG equipment and accessories – Equipping of LPG road tankers	43.080.10	2022-06
EN 12979	LPG equipment and accessories – Automotive LPG-systems – Installation requirements	43.060.40	2022-06
EN 13126-16/AC	Building hardware – Hardware for windows and door height windows – Requirements and test methods – Part 16: Hardware for Lift and Slide windows	91.190	2022-06
EN 13451-3	Swimming pool equipment – Part 3: Additional specific safety requirements and test methods for inlets and outlets and water/air based water leisure features installed in pools for public use	97.220.10	2022-06
EN 13796-2+A1	Safety requirements for cableway installations designed to transport persons – Carriers – Part 2: Slipping resistance tests for grips	45.100	2022-06
EN 14081-2+A1	Timber structures – Strength graded structural timber with rectangular cross section – Part 2: Machine grading; additional requirements for type testing	79.040	2022-06
EN 14111	Fat and oil derivatives – Fatty Acid Methyl Esters (FAME) – Determination of iodine value	67.200.10	2022-06
EN 14344	Child care articles – Child seats for cycles – Safety requirements and test methods	97.190	2022-06
EN 14734	Durability of wood and wood-based products – Determination of treatability of timber species to be impregnated with wood preservatives – Laboratory method	79.040	2022-06
EN 14912	LPG equipment and accessories – Inspection and maintenance of LPG cylinder valves at time of periodic inspection of cylinders	23.060.40	2022-06
EN 15031	Chemicals used for treatment of swimming pool water – Aluminium based coagulants	71.100.80	2022-06
EN 15163-1	Machines and installations for the exploitation and processing of natural stone – Safety – Part 1: Requirements for stationary diamond wire saws	73.120	2022-06
EN 15163-2	Machines and installations for the exploitation and processing of natural stone – Safety – Part 2: Requirements for transportable diamond wire saws	73.120	2022-06

Oznaka norme	Naslov norme	ICS	Datum objave
EN 15341+A1	Maintenance – Maintenance Key Performance Indicators	03.100.99	2022-06
EN 15796	Chemicals used for treatment of swimming pool water – Calcium hypochlorite	71.100.80	2022-06
EN 15797	Chemicals used for the treatment of swimming pool water – Iron based coagulants	71.100.80	2022-06
EN 15798	Products used for the treatment of swimming pool water – Filter media	71.100.80	2022-06
EN 15799	Products used for treatment of swimming pool water – Powdered activated carbon	71.100.80	2022-06
CEN/TS 16614-5	Public transport – Network and timetable exchange (NeTEx) – Part 5: Alternative modes exchange format	35.240.60	2022-06
CEN/TR 17172	Validation testing program on chloride penetration and carbonation standardized test methods	91.100.30	2022-06
EN 17391	Non-destructive testing – Acoustic emission testing – In-service acoustic emission monitoring of metallic pressure equipment and structures – General requirements	19.100	2022-06
EN 17427	Packaging – Requirements and test scheme for carrier bags suitable for treatment in well-managed home composting installations	55.080	2022-06
EN 17501	Non-destructive testing – Thermographic testing – Active thermography with laser excitation	19.100	2022-06
EN 17542-1	Earthworks – Geotechnical laboratory tests – Part 1: Degradability test standard	93.020	2022-06
EN 17542-2	Earthworks – Geotechnical laboratory tests – Part 2: Fragmentability test standard	93.020	2022-06
EN 17542-3	Earthworks – Geotechnical laboratory tests – Part 3: Methylene blue value VBS on soils and rocks	93.020	2022-06
CEN/TR 17603-32-21	Space engineering – Adhesive bonding handbook	49.025.50; 49.030.99; 49.140	2022-06
CEN/TR 17603-32-22	Space engineering – Insert design handbook	49.030.99; 49.140	2022-06
CEN/TR 17603-32-23	Space engineering – Threaded fasteners handbook	49.030.10; 49.140	2022-06
CEN/TR 17603-32-24	Space engineering – Buckling of structures	49.035; 49.140	2022-06
CEN/TR 17603-32-25	Space engineering – Mechanical shock design and verification handbook	49.035; 49.140	2022-06
CEN/TR 17603-32-26	Space engineering – Spacecraft mechanical loads analysis handbook	49.035; 49.140	2022-06
CEN/TR 17603-40	Space engineering – Software engineering handbook	35.080; 49.140	2022-06
CEN/TR 17603-40-01	Space engineering – Agile software development handbook	35.080; 49.140	2022-06
CEN/TR 17603-50	Space engineering – Communication guidelines	49.140	2022-06
EN 17615	Plastics – Environmental Aspects – Vocabulary	01.040.13; 01.040.83; 13.020.01; 83.080.01	2022-06
EN 17667	Test method – Determination of thermal resistance of filled textile articles and similar items using small guarded hotplate apparatus	97.160; 97.190; 97.200.30	2022-06
EN 17679	Plastics – Plastic films – Determination of tear resistance using a trapezoidal test specimen with incision	83.140.10	2022-06
CEN/TS 17811	Molecular in vitro diagnostic examinations – Specifications for pre-examination processes for urine and other body fluids – Isolated cell free DNA	11.100.10	2022-06
CEN/TS 17814	Building hardware – Master Key System data protection – Guidance	91.190	2022-06
CEN/TR 17828	Road infrastructure – Automated vehicle interactions – Reference Framework Release 1	35.240.60; 43.020; 93.080.99	2022-06
CEN/TR 17833	Railway applications – Guidance for the use of simulations – Guidance for the use of simulations to demonstrate compliance with technical and regulatory requirements and on the introduction and development of simulation requirements into standards	01.120; 45.020	2022-06



Oznaka norme	Naslov norme	ICS	Datum objave
CWA 17896	Test method for the evaluation of the adhesive properties of fibre reinforced polymer composite joints	83.120; 83.180	2022-06
CWA 17898	Methodology to quantify the global agricultural crop footprint including soil impacts	13.080.01	2022-06
EN 50470-3	Electricity metering equipment – Part 3: Particular requirements – Static meters for AC active energy (class indexes A, B and C)	91.140.50	2022-06
CLC/TS 50677	Clothes washing machines and washer-dryers for household and similar use – Method for the determination of rinsing effectiveness by measurement of the surfactant content at textile materials	97.060	2022-06
EN IEC 60309-1	Plugs, fixed or portable socket-outlets and appliance inlets for industrial purposes – Part 1: General requirements (IEC 60309-1:2021)	29.120.30	2022-06
EN IEC 60309-2	Plugs, fixed or portable socket-outlets and appliance inlets for industrial purposes – Part 2: Dimensional compatibility requirements for pin and contact-tube accessories (IEC 60309-2:2021)	29.120.30	2022-06
EN IEC 60309-4	Plugs, fixed or portable socket-outlets and appliance inlets for industrial purposes – Part 4: Switched socket-outlets with or without interlock (IEC 60309-4:2021)	29.120.30	2022-06
EN IEC 60335-2-11/A11	Household and similar electrical appliances – Safety – Part 2-11: Particular requirements for tumble dryers	13.120; 97.060	2022-06
EN IEC 60598-2-22	Luminaires – Part 2-22: Particular requirements – Luminaires for emergency lighting (IEC 60598-2-22:2021)	29.140.40; 91.160.10	2022-06
EN IEC 60749-10	Semiconductor devices – Mechanical and climatic test methods – Part 10: Mechanical shock – Device and subassembly (IEC 60749-10:2022)	31.080.01	2022-06
EN IEC 60794-1-310	Optical fibre cables – Part 1-310: Generic specification – Basic optical cable test procedures – Cable element test methods – Strippability, method G10 (IEC 60794-1-310:2022)	33.180.10	2022-06
EN IEC 60794-3-40	Optical fibre cables – Part 3-40: Outdoor cables – Family specification for cables for storm and sanitary sewers (IEC 60794-3-40:2022)	33.180.10	2022-06
EN IEC 60810/A2	Lamps, light sources and LED packages for road vehicles – Performance requirements (IEC 60810:2017/AMD2:2022)	29.140.99; 43.040.20	2022-06
EN IEC 61340-5-3	Electrostatics – Part 5-3: Protection of electronic devices from electrostatic phenomena – Properties and requirements classification for packaging intended for electrostatic discharge sensitive devices (IEC 61340-5-3:2022)	17.220.20; 17.220.99; 29.020; 31.020; 55.020	2022-06
EN 61347-2-7/A2	Lamp controlgear – Part 2-7: Particular requirements for electric source for safety services (ESSS) supplied electronic controlgear for emergency lighting (self-contained) (IEC 61347-2-7/AMD2:2021)	29.140.99; 91.160.10	2022-06
EN 61770/A12	Electric appliances connected to the water mains – Avoidance of backsiphonage and failure of hose-sets	91.140.60; 97.030; 97.040.40; 97.060	2022-06
EN IEC 62052-11/A11	Electricity metering equipment – General requirements, tests and test conditions – Part 11: Metering equipment	17.220.20; 91.140.50	2022-06
EN IEC 62196-6	Plugs, socket-outlets, vehicle connectors and vehicle inlets – Conductive charging of electric vehicles – Part 6: Dimensional compatibility requirements for DC pin and contact-tube vehicle couplers intended to be used for DC EV supply equipment where protection relies on electrical separation (IEC 62196-6:2022)	29.120.30; 43.040.10; 43.120	2022-06
EN IEC 62271-102/A1	High-voltage switchgear and controlgear – Part 102: Alternating current disconnectors and earthing switches (IEC 62271-102:2018/AMD1:2022)	29.130.10; 29.130.99	2022-06
EN IEC 62623	Desktop and notebook computers – Measurement of energy consumption (IEC 62623:2022)	27.015; 35.020; 35.160	2022-06
EN IEC 63203-201-1	Wearable electronic devices and technologies – Part 201-1: Electronic textile – Measurement methods for basic properties of conductive yarns (IEC 63203-201-1:2022)	59.080.20; 59.080.80	2022-06

Oznaka norme	Naslov norme	ICS	Datum objave
EN IEC 63203-201-2	Wearable electronic devices and technologies – Part 201-2: Electronic textile – Measurement methods for basic properties of conductive fabrics and insulation materials (IEC 63203-201-2:2022)	59.080.30; 59.080.80	2022-06
EN ISO 1	Geometrical product specifications (GPS) – Standard reference temperature for the specification of geometrical and dimensional properties (ISO 1:2022)	17.040.01	2022-06
EN ISO 340	Conveyor belts – Laboratory scale flammability characteristics – Requirements and test method (ISO 340:2022)	13.220.40; 53.040.20	2022-06
CEN ISO/TS 3250	Petroleum, petrochemical and natural gas industries – Calculation and reporting production efficiency in the operating phase (ISO/TS 3250:2021)	75.020	2022-06
EN ISO 3421	Petroleum and natural gas industries – Drilling and production equipment – Offshore conductor design, setting depth and installation (ISO 3421:2022)	75.180.10	2022-06
EN ISO 3506-6	Fasteners – Mechanical properties of corrosion-resistant stainless steel fasteners – Part 6: General rules for the selection of stainless steels and nickel alloys for fasteners (ISO 3506-6:2020)	21.060.01	2022-06
EN ISO 4042	Fasteners – Electroplated coating systems (ISO 4042:2022)	21.060.01	2022-06
EN ISO 4136	Destructive tests on welds in metallic materials – Transverse tensile test (ISO 4136:2022)	25.160.40	2022-06
EN ISO 4259-4	Petroleum and related products – Precision of measurement methods and results – Part 4: Use of statistical control charts to validate 'in-statistical-control' status for the execution of a standard test method in a single laboratory (ISO 4259-4:2021)	75.080	2022-06
EN ISO 4528	Vitreous and porcelain enamel finishes – Selection of test methods for vitreous and porcelain enamelled areas of articles (ISO 4528:2022)	25.220.50	2022-06
EN ISO 5167-1	Measurement of fluid flow by means of pressure differential devices inserted in circular cross-section conduits running full – Part 1: General principles and requirements (ISO 5167-1:2022)	17.120.10	2022-06
EN ISO 5167-2	Measurement of fluid flow by means of pressure differential devices inserted in circular cross-section conduits running full – Part 2: Orifice plates (ISO 5167-2:2022)	17.120.10	2022-06
EN ISO 5167-4	Measurement of fluid flow by means of pressure differential devices inserted in circular cross-section conduits running full – Part 4: Venturi tubes (ISO 5167-4:2022)	17.120.10	2022-06
EN ISO 6149-1	Connections for hydraulic fluid power and general use – Ports and stud ends with ISO 261 metric threads and O-ring sealing – Part 1: Ports with truncated housing for O-ring seal (ISO 6149-1:2022)	23.100.40	2022-06
EN ISO 9300	Measurement of gas flow by means of critical flow nozzles (ISO 9300:2022)	17.120.10	2022-06
EN ISO 9999	Assistive products – Classification and terminology (ISO 9999:2022)	11.180.01	2022-06
EN ISO 11125-9	Preparation of steel substrates before application of paints and related products – Test methods for metallic blast-cleaning abrasives – Part 9: Wear testing and performance (ISO 11125-9:2021)	25.220.10	2022-06
EN ISO 11607-1/A11	Packaging for terminally sterilized medical devices – Part 1: Requirements for materials, sterile barrier systems and packaging systems (ISO 11607-1:2019)	11.080.30	2022-06
EN ISO 11607-2/A11	Packaging for terminally sterilized medical devices – Part 2: Validation requirements for forming, sealing and assembly processes (ISO 11607-2:2019)	11.080.30	2022-06
EN ISO 12005	Lasers and laser-related equipment – Test methods for laser beam parameters – Polarization (ISO 12005:2022)	31.260	2022-06
EN ISO 12241	Thermal insulation for building equipment and industrial installations – Calculation rules (ISO 12241:2022)	91.120.10; 91.140.01	2022-06

Oznaka norme	Naslov norme	ICS	Datum objave
EN ISO 13338	Gas cylinders – Gases and gas mixtures – Determination of corrosiveness for the selection of cylinder valve outlet (ISO 13338:2022)	23.020.35; 71.100.20	2022-06
EN ISO 13479	Polyolefin pipes for the conveyance of fluids – Determination of resistance to crack propagation – Test method for slow crack growth on notched pipes (ISO 13479:2022)	23.040.20	2022-06
EN ISO 13696	Optics and photonics – Test method for total scattering by optical components (ISO 13696:2022)	31.260	2022-06
EN ISO 14015	Environmental management – Guidelines for environmental due diligence assessment (ISO 14015:2022)	13.020.10	2022-06
EN ISO 15537	Principles for selecting and using test persons for testing anthropometric aspects of industrial products and designs (ISO 15537:2022)	13.110; 13.180	2022-06
EN ISO 15874-1/A1	Plastics piping systems for hot and cold water installations – Polypropylene (PP) – Part 1: General – Amendment 1: Impact test (ISO 15874-1:2013/Amd 1:2022)	23.040.20; 91.140.60	2022-06
EN ISO 15874-2/A2	Plastics piping systems for hot and cold water installations – Polypropylene (PP) – Part 2: Pipes – Amendment 2: Impact test (ISO 15874-2:2013/Amd 2:2022)	23.040.20; 91.140.60	2022-06
EN ISO 16495	Packaging – Transport packaging for dangerous goods – Test methods (ISO 16495:2022)	13.300; 55.020	2022-06
EN ISO 16539	Corrosion of metals and alloys – Accelerated cyclic corrosion tests with exposure to synthetic ocean water salt-deposition process – "Dry" and "wet" conditions at constant absolute humidity (ISO 16539:2013)	77.060	2022-06
EN ISO 18278-1	Resistance welding – Weldability – Part 1: General requirements for the evaluation of weldability for resistance spot, seam and projection welding of metallic materials (ISO 18278-1:2022)	25.160.01	2022-06
EN ISO 19014-2	Earth-moving machinery – Functional safety – Part 2: Design and evaluation of hardware and architecture requirements for safety-related parts of the control system (ISO 19014-2:2022)	53.100	2022-06
CEN ISO/TS 19392-1	Paints and varnishes – Coating systems for wind-turbine rotor blades – Part 1: Minimum requirements and weathering (ISO/TS 19392-1:2018)	87.040	2022-06
CEN ISO/TS 19392-2	Paints and varnishes – Coating systems for wind-turbine rotor blades – Part 2: Determination and evaluation of resistance to rain erosion using rotating arm (ISO/TS 19392-2:2018)	87.040	2022-06
CEN ISO/TS 19392-3	Paints and varnishes – Coating systems for wind-turbine rotor blades – Part 3: Determination and evaluation of resistance to rain erosion using water jet (ISO/TS 19392-3:2018)	87.040	2022-06
EN ISO 19403-1	Paints and varnishes – Wettability – Part 1: Vocabulary and general principles (ISO 19403-1:2022)	01.040.87; 87.040	2022-06
EN ISO 19905-3	Petroleum and natural gas industries – Site-specific assessment of mobile offshore units – Part 3: Floating units (ISO 19905-3:2021)	75.180.10	2022-06
EN ISO 21207	Corrosion tests in artificial atmospheres – Accelerated corrosion tests involving alternate exposure to corrosion-promoting gases, neutral salt-spray and drying (ISO 21207:2015)	77.060	2022-06
EN ISO 22007-2	Plastics – Determination of thermal conductivity and thermal diffusivity – Part 2: Transient plane heat source (hot disc) method (ISO 22007-2:2022)	83.080.01	2022-06
EN ISO 22479	Corrosion of metals and alloys – Sulfur dioxide test in a humid atmosphere (fixed gas method) (ISO 22479:2019)	77.060	2022-06
EN ISO 22683	Dentistry – Rotational adaptability test between implant body and implant abutment in dental implant systems (ISO 22683:2022)	11.060.15	2022-06
EN ISO 23371	Anaesthetic and respiratory equipment – Cuff pressure indication, control and regulation devices (ISO 23371:2022)	11.040.10	2022-06
EN ISO 23418	Microbiology of the food chain – Whole genome sequencing for typing and genomic characterization of bacteria – General requirements and guidance (ISO 23418:2022)	07.100.30	2022-06

Oznaka norme	Naslov norme	ICS	Datum objave
EN ISO 24194	Solar energy – Collector fields – Check of performance (ISO 24194:2022)	27.160	2022-06
EN ISO 24442	Cosmetics – Sun protection test methods – In vivo determination of sunscreen UVA protection (ISO 24442:2022)	71.100.70	2022-06
EN ISO 24656	Cathodic protection of offshore wind structures (ISO 24656:2022)	47.020.99; 77.060	2022-06
EN ISO/IEC 24760-1	IT Security and Privacy – A framework for identity management – Part 1: Terminology and concepts (ISO/IEC 24760-1:2019)	35.030	2022-06
EN ISO 80601-2-13	Medical electrical equipment – Part 2-13: Particular requirements for basic safety and essential performance of an anaesthetic workstation (ISO 80601-2-13:2022)	11.040.10	2022-06

## Europska normizacija (CENELEC)

Oznaka norme	Naslov norme	ICS	Datum objave
CEN/TR 17603-32-21	Space engineering – Adhesive bonding handbook	49.025.50; 49.030.99; 49.140	2022-06
CEN/TR 17603-32-22	Space engineering – Insert design handbook	49.030.99; 49.140	2022-06
CEN/TR 17603-32-23	Space engineering – Threaded fasteners handbook	49.030.10; 49.140	2022-06
CEN/TR 17603-32-24	Space engineering – Buckling of structures	49.035; 49.140	2022-06
CEN/TR 17603-32-25	Space engineering – Mechanical shock design and verification handbook	49.035; 49.140	2022-06
CEN/TR 17603-32-26	Space engineering – Spacecraft mechanical loads analysis handbook	49.035; 49.140	2022-06
CEN/TR 17603-40	Space engineering – Software engineering handbook	35.080; 49.140	2022-06
CEN/TR 17603-40-01	Space engineering – Agile software development handbook	35.080; 49.140	2022-06
CEN/TR 17603-50	Space engineering – Communication guidelines	49.140	2022-06
EN 50470-3	Electricity metering equipment – Part 3: Particular requirements – Static meters for AC active energy (class indexes A, B and C)	91.140.50	2022-06
CLC/TS 50677	Clothes washing machines and washer-dryers for household and similar use – Method for the determination of rinsing effectiveness by measurement of the surfactant content at textile materials	97.060	2022-06
EN IEC 60309-1	Plugs, fixed or portable socket-outlets and appliance inlets for industrial purposes – Part 1: General requirements (IEC 60309-1:2021)	29.120.30	2022-06
EN IEC 60309-2	Plugs, fixed or portable socket-outlets and appliance inlets for industrial purposes – Part 2: Dimensional compatibility requirements for pin and contact-tube accessories (IEC 60309-2:2021)	29.120.30	2022-06
EN IEC 60309-4	Plugs, fixed or portable socket-outlets and appliance inlets for industrial purposes – Part 4: Switched socket-outlets with or without interlock (IEC 60309-4:2021)	29.120.30	2022-06
EN IEC 60335-2-11/A11	Household and similar electrical appliances – Safety – Part 2-11: Particular requirements for tumble dryers	13.120; 97.060	2022-06
EN IEC 60598-2-22	Luminaires – Part 2-22: Particular requirements – Luminaires for emergency lighting (IEC 60598-2-22:2021)	29.140.40; 91.160.10	2022-06
EN IEC 60749-10	Semiconductor devices – Mechanical and climatic test methods – Part 10: Mechanical shock – Device and subassembly (IEC 60749-10:2022)	31.080.01	2022-06
EN IEC 60794-1-310	Optical fibre cables – Part 1-310: Generic specification – Basic optical cable test procedures – Cable element test methods – Strippability, method G10 (IEC 60794-1-310:2022)	33.180.10	2022-06
EN IEC 60794-3-40	Optical fibre cables – Part 3-40: Outdoor cables – Family specification for cables for storm and sanitary sewers (IEC 60794-3-40:2022)	33.180.10	2022-06
EN IEC 60810/A2	Lamps, light sources and LED packages for road vehicles – Performance requirements (IEC 60810:2017/AMD2:2022)	29.140.99; 43.040.20	2022-06
EN IEC 61340-5-3	Electrostatics – Part 5-3: Protection of electronic devices from electrostatic phenomena – Properties and requirements classification for packaging intended for electrostatic discharge sensitive devices (IEC 61340-5-3:2022)	17.220.20; 17.220.99; 29.020; 31.020; 55.020	2022-06
EN 61347-2-7/A2	Lamp controlgear – Part 2-7: Particular requirements for electric source for safety services (ESSS) supplied electronic controlgear for emergency lighting (self-contained) (IEC 61347-2-7/AMD2:2021)	29.140.99; 91.160.10	2022-06
EN 61770/A12	Electric appliances connected to the water mains – Avoidance of backsiphonage and failure of hose-sets	91.140.60; 97.030; 97.040.40; 97.060	2022-06

Oznaka norme	Naslov norme	ICS	Datum objave
EN IEC 62052-11/A11	Electricity metering equipment – General requirements, tests and test conditions – Part 11: Metering equipment	17.220.20; 91.140.50	2022-06
EN IEC 62196-6	Plugs, socket-outlets, vehicle connectors and vehicle inlets – Conductive charging of electric vehicles – Part 6: Dimensional compatibility requirements for DC pin and contact-tube vehicle couplers intended to be used for DC EV supply equipment where protection relies on electrical separation (IEC 62196-6:2022)	29.120.30; 43.040.10; 43.120	2022-06
EN IEC 62271-102/A1	High-voltage switchgear and controlgear – Part 102: Alternating current disconnectors and earthing switches (IEC 62271-102:2018/AMD1:2022)	29.130.10; 29.130.99	2022-06
EN IEC 62623	Desktop and notebook computers – Measurement of energy consumption (IEC 62623:2022)	27.015; 35.020; 35.160	2022-06
EN IEC 63203-201-1	Wearable electronic devices and technologies – Part 201-1: Electronic textile – Measurement methods for basic properties of conductive yarns (IEC 63203-201-1:2022)	59.080.20; 59.080.80	2022-06
EN IEC 63203-201-2	Wearable electronic devices and technologies – Part 201-2: Electronic textile – Measurement methods for basic properties of conductive fabrics and insulation materials (IEC 63203-201-2:2022)	59.080.30; 59.080.80	2022-06
EN ISO/IEC 24760-1	IT Security and Privacy – A framework for identity management – Part 1: Terminology and concepts (ISO/IEC 24760-1:2019)	35.030	2022-06

## Europska normizacija (ETSI)

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 102950-1 V 1.10.1	Methods for Testing and Specification (MTS) – TTCN-3 Conformance Test Suite – Part 1: Implementation Conformance Statement (ICS)	33.020	2022-06
ETSI TS 102950-2 V 1.10.1	Methods for Testing and Specification (MTS) – TTCN-3 Conformance Test Suite – Part 2: Test Suite Structure and Test Purposes (TSS&TP)	33.020	2022-06
ETSI TS 102950-3 V 1.10.1	Methods for Testing and Specification (MTS) – TTCN-3 Conformance Test Suite – Part 3: Abstract Test Suite (ATS) and Implementation eXtra Information for Testing (IXIT)	33.020	2022-06
ETSI TS 103253 V 1.7.1	Methods for Testing and Specification (MTS) – TTCN-3 Conformance Test Suite for use of XML and JSON schema – Implementation Conformance Statement	33.020	2022-06
ETSI TS 103254 V 1.7.1	Methods for Testing and Specification (MTS) – TTCN-3 Conformance Test Suite for use of XML and JSON schema – Test Suite Structure and Test Purposes (TSS&TP)	33.020	2022-06
ETSI TS 103255 V 1.7.1	Methods for Testing and Specification (MTS) – TTCN-3 Conformance Test Suite for use of XML and JSON schema – Abstract Test Suite & IXIT	33.020	2022-06
ETSI TS 103663-1 V 1.3.1	Methods for Testing and Specification (MTS) – Conformance Test Suite for TTCN-3 Object Oriented Features – Part 1: Implementation Conformance Statement (ICS)	33.020; 35.080	2022-06
ETSI TS 103663-2 V 1.3.1	Methods for Testing and Specification (MTS) – Conformance Test Suite for TTCN-3 Object Oriented Features – Part 2: Test Suite Structure and Test Purposes (TSS&TP)	33.020; 35.080	2022-06
ETSI TS 103663-3 V 1.3.1	Methods for Testing and Specification (MTS) – Conformance Test Suite for TTCN-3 Object Oriented Features – Part 3: Abstract Test Suite (ATS) and Implementation eXtra Information for Testing (IXIT)	33.020; 35.080	2022-06
ETSI TS 103755 V 1.1.1	Emergency Communications (EMTEL) – PEMEA ESInet Shared Services	33.040.01	2022-06
ETSI TR 103784 V 1.1.1	Digital VHF Maritime Radio – Air interface for voice and data services using FDMA in 6,25 KHz bandwidth	33.060.20	2022-06
ETSI TS 122268 V 18.1.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Public Warning System (PWS) requirements (3GPP TS 22.268 version 18.1.0 Release 18)	33.070.50	2022-06
ETSI TS 123041 V 17.4.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System(UMTS) – LTE – 5G – Technical realization of Cell Broadcast Service (CBS) (3GPP TS 23.041 version 17.4.0 Release 17)	33.070.50	2022-06
ETSI TS 123041 V 18.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System(UMTS) – LTE – 5G – Technical realization of Cell Broadcast Service (CBS) (3GPP TS 23.041 version 18.0.0 Release 18)	33.070.50	2022-06
ETSI TS 126445 V 13.10.1	Universal Mobile Telecommunications System (UMTS) – LTE – Codec for Enhanced Voice Services (EVS) – Detailed algorithmic description (3GPP TS 26.445 version 13.10.1 Release 13)	33.070.50	2022-06
ETSI TS 126445 V 14.6.1	Universal Mobile Telecommunications System (UMTS) – LTE – Codec for Enhanced Voice Services (EVS) – Detailed algorithmic description (3GPP TS 26.445 version 14.6.1 Release 14)	33.070.50	2022-06
ETSI ES 202782 V 1.4.1	Methods for Testing and Specification (MTS) – The Testing and Test Control Notation version 3 – TTCN-3 Language Extensions: Performance and Real Time Testing	33.020	2022-06
ETSI GR F5G 008 V 1.1.1	Fifth Generation Fixed Network (F5G) – F5G Use Cases Release #2	33.070.99	2022-06
ETSI GR NFV-IFA 024 V 4.3.1	Network Functions Virtualisation (NFV) Release 4 – Information Modeling – Report on External Touchpoints related to NFV Information Model	35.110	2022-06
ETSI GS NFV-IFA 005 V 4.3.1	Network Functions Virtualisation (NFV) Release 4 – Management and Orchestration – Or-Vi reference point – Interface and Information Model Specification	33.040.40; 35.110	2022-06

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI GS NFV-IFA 007 V 4.3.1	Network Functions Virtualisation (NFV) Release 4 – Management and Orchestration – Or-Vnfm reference point – Interface and Information Model Specification	33.040.40; 35.110	2022-06
ETSI GS NFV-IFA 010 V 4.3.1	Network Functions Virtualisation (NFV) Release 4 – Management and Orchestration – Functional requirements specification	33.040.40; 35.110	2022-06
ETSI GS NFV-IFA 011 V 4.3.1	Network Functions Virtualisation (NFV) Release 4 – Management and Orchestration – VNF Descriptor and Packaging Specification	33.040.40; 35.110	2022-06
ETSI GS NFV-IFA 013 V 4.3.1	Network Functions Virtualisation (NFV) Release 4 – Management and Orchestration – Os-Ma-nfvo reference point – Interface and Information Model Specification	33.040.40; 35.110	2022-06
ETSI GS NFV-IFA 014 V 4.3.1	Network Functions Virtualisation (NFV) Release 4 – Management and Orchestration – Network Service Templates Specification	33.040.40; 35.110	2022-06
ETSI GS NFV-IFA 027 V 4.3.1	Network Functions Virtualisation (NFV) Release 4 – Management and Orchestration – Performance Measurements Specification	35.110	2022-06
ETSI GS NFV-IFA 030 V 4.3.1	Network Functions Virtualisation (NFV) Release 4 – Management and Orchestration – Multiple Administrative Domain Aspect Interfaces Specification	35.110	2022-06
ETSI GS NFV-IFA 031 V 4.3.1	Network Functions Virtualisation (NFV) Release 4 – Management and Orchestration – Requirements and interfaces specification for management of NFV-MANO	35.110	2022-06
ETSI GS NFV-IFA 032 V 4.3.1	Network Functions Virtualisation (NFV) Release 4 – Management and Orchestration – Interface and Information Model Specification for Multi-Site Connectivity Services	35.110	2022-06
ETSI GS ZSM 009-2 V 1.1.1	Zero-touch network and Service Management (ZSM) – Closed-Loop Automation – Part 2: Solutions for automation of E2E service and network management use cases	35.080	2022-06
EN 302065-4-4 V 1.1.1	Short Range Devices (SRD) using Ultra Wide Band technology (UWB) – Harmonised Standard for access to radio spectrum – Part 4: Material Sensing devices – Sub-part 4: Exterior material sensing applications for ground based vehicles	33.060.20	2022-06



## Međunarodna normizacija (ISO)

Oznaka norme	Naslov norme	ICS	Datum objave
ISO 1	Geometrical product specifications (GPS) – Standard reference temperature for the specification of geometrical and dimensional properties	17.040.01	2022-06
ISO 34-1	Rubber, vulcanized or thermoplastic – Determination of tear strength – Part 1: Trouser, angle and crescent test pieces	83.060	2022-06
ISO 34-2	Rubber, vulcanized or thermoplastic – Determination of tear strength – Part 2: Small (Delft) test pieces	83.060	2022-06
ISO 230-12	Test code for machine tools – Part 12: Accuracy of finished test pieces	25.080.01	2022-06
ISO 249 AMD 1	Rubber, raw natural – Determination of dirt content; Amendment 1	83.040.10	2022-06
ISO 1133-1	Plastics – Determination of the melt mass-flow rate (MFR) and melt volume-flow rate (MVR) of thermoplastics – Part 1: Standard method	83.080.20	2022-06
ISO 1138	Rubber compounding ingredients – Carbon black – Determination of sulfur content	83.040.20	2022-06
ISO 1431-1	Rubber, vulcanized or thermoplastic – Resistance to ozone cracking – Part 1: Static and dynamic strain testing	83.060	2022-06
ISO 1817	Rubber, vulcanized or thermoplastic – Determination of the effect of liquids	83.060	2022-06
ISO 3297	Information and documentation – International standard serial number (ISSN)	01.140.20	2022-06
ISO 3421	Petroleum and natural gas industries – Drilling and production equipment – Offshore conductor design, setting depth and installation	75.180.10	2022-06
ISO 4014	Fasteners – Hexagon head bolts – Product grades A and B	21.060.10	2022-06
ISO 4015	Fasteners – Hexagon head bolts with reduced shank (shank diameter $\approx$ pitch diameter) – Product grade B	21.060.10	2022-06
ISO 4016	Fasteners – Hexagon head bolts – Product grade C	21.060.10	2022-06
ISO 4017	Fasteners – Hexagon head screws – Product grades A and B	21.060.10	2022-06
ISO 4018	Fasteners – Hexagon head screws – Product grade C	21.060.10	2022-06
ISO 4042	Fasteners – Electroplated coating systems	21.060.01	2022-06
ISO 4298	Manganese ores and concentrates – Determination of manganese content – Potentiometric method	73.060.20	2022-06
ISO/TR 4340	Water aggressiveness evaluation and optimized lining choice	23.040.10; 91.140.60	2022-06
ISO 4513	Road vehicles – Visibility – Method for establishment of eyellipses for driver's eye location	43.020	2022-06
ISO 4528	Vitreous and porcelain enamel finishes – Selection of test methods for vitreous and porcelain enamelled areas of articles	25.220.50	2022-06
ISO/TS 4807	Reference materials for particle size measurement – Specification of requirements	19.120	2022-06
ISO 4954	Steels for cold heading and cold extruding	77.140.10; 77.140.20	2022-06
ISO 4975	Railway applications – Braking system – Quality of compressed air for pneumatic apparatus and systems	45.020	2022-06
ISO 5148	Plastics – Determination of specific aerobic biodegradation rate of solid plastic materials and disappearance time (DT50) under mesophilic laboratory test conditions	83.080.01	2022-06
ISO 5167-1	Measurement of fluid flow by means of pressure differential devices inserted in circular cross-section conduits running full – Part 1: General principles and requirements	17.120.10	2022-06
ISO 5167-2	Measurement of fluid flow by means of pressure differential devices inserted in circular cross-section conduits running full – Part 2: Orifice plates	17.120.10	2022-06
ISO 5167-4	Measurement of fluid flow by means of pressure differential devices inserted in circular cross-section conduits running full – Part 4: Venturi tubes	17.120.10	2022-06
ISO/IEC 5218	Information technology – Codes for the representation of human sexes	35.040.50	2022-06

Oznaka norme	Naslov norme	ICS	Datum objave
ISO/TS 5346	Health informatics – Categorial structure for representation of traditional Chinese medicine clinical decision support system	35.240.80	2022-06
ISO 5794-1	Rubber compounding ingredients – Silica, precipitated, hydrated – Part 1: Non-rubber tests	83.040.20	2022-06
ISO/IEC TR 5895	Cybersecurity – Multi-party coordinated vulnerability disclosure and handling	35.030	2022-06
ISO/TS 6084	Steel and steel products – Vocabulary relating to chemical analysis	01.040.77; 77.080.20	2022-06
ISO 6149-1	Connections for hydraulic fluid power and general use – Ports and stud ends with ISO 261 metric threads and O-ring sealing – Part 1: Ports with truncated housing for O-ring seal	23.100.40	2022-06
ISO 7240-12	Fire detection and alarm systems – Part 12: Line type smoke detectors using a transmitted optical beam	13.220.20	2022-06
ISO 7622-2	Steel cord conveyor belts – Longitudinal traction test – Part 2: Measurement of tensile strength	53.040.20	2022-06
ISO 7905-4	Plain bearings – Bearing fatigue – Part 4: Tests on half-bearings of a metallic multilayer bearing material	21.100.10	2022-06
ISO/TS 8000-82	Data quality – Part 82: Data quality assessment: Creating data rules	25.040.40	2022-06
ISO 8528-5	Reciprocating internal combustion engine driven alternating current generating sets – Part 5: Generating sets	27.020; 29.160.40	2022-06
ISO 8536-3 AMD 1	Infusion equipment for medical use – Part 3: Aluminium caps for infusion bottles; Amendment 1	11.040.20	2022-06
ISO/TR 8546	Hand protection – Guidance for selection and use	13.340.40	2022-06
ISO 8676	Fasteners – Hexagon head screws, with fine pitch thread – Product grades A and B	21.060.10	2022-06
ISO 8765	Fasteners – Hexagon head bolts, with fine pitch thread – Product grades A and B	21.060.10	2022-06
ISO/IEC/IEEE 8802-22	Telecommunications and information exchange between systems – Wireless Regional Area Networks (WRAN) – Specific requirements – Part 22: Cognitive Wireless RAN Medium Access Control (MAC) and Physical Layer (PHY) Specifications: Policies and procedures for operation in the bands that allow spectrum sharing where the communications devices may opportunistically operate in the spectrum of primary service	35.110	2022-06
ISO 8980-3	Ophthalmic optics – Uncut finished spectacle lenses – Part 3: Transmittance specifications and test methods	11.040.70	2022-06
ISO/IEC 9075-1 Technical Corrigendum 1	Information technology – Database languages – SQL – Part 1: Framework (SQL/Framework); Technical Corrigendum 1	35.060	2022-06
ISO/IEC 9075-2 Technical Corrigendum 2	Information technology – Database languages – SQL – Part 2: Foundation (SQL/Foundation); Technical Corrigendum 2	35.060	2022-06
ISO/IEC 9075-3 Technical Corrigendum 1	Information technology – Database languages – SQL – Part 3: Call-Level Interface (SQL/CLI); Technical Corrigendum 1	35.060	2022-06
ISO/IEC 9075-4 Technical Corrigendum 2	Information technology – Database languages – SQL – Part 4: Persistent stored modules (SQL/PSM); Technical Corrigendum 2	35.060	2022-06
ISO/IEC 9075-9 Technical Corrigendum 2	Information technology – Database languages – SQL – Part 9: Management of External Data (SQL/MED); Technical Corrigendum 2	35.060	2022-06
ISO/IEC 9075-10 Technical Corrigendum 1	Information technology – Database languages – SQL – Part 10: Object language bindings (SQL/OLB); Technical Corrigendum 1	35.060	2022-06
ISO/IEC 9075-11 Technical Corrigendum 2	Information technology – Database languages – SQL – Part 11: Information and definition schemas (SQL/Schemata); Technical Corrigendum 2	35.060	2022-06
ISO/IEC 9075-13 Technical Corrigendum 2	Information technology – Database languages – SQL – Part 13: SQL Routines and types using the Java™ programming language (SQL/JRT); Technical Corrigendum 2	35.060	2022-06

Oznaka norme	Naslov norme	ICS	Datum objave
ISO/IEC 9075-14 Technical Corrigendum 2	Information technology – Database languages – SQL – Part 14: XML-Related Specifications (SQL/XML); Technical Corrigendum 2	35.060	2022-06
ISO/IEC 9075-15 Technical Corrigendum 1	Information technology database languages – SQL – Part 15: Multi-dimensional arrays (SQL/MDA); Technical Corrigendum 1	35.060	2022-06
ISO 9177-2	Mechanical pencils for technical drawings – Part 2: Black leads – Classification and dimensions	01.100.40; 97.180	2022-06
ISO/TR 9241-380	Ergonomics of human-system interaction – Part 380: Survey result of HMD (Head-Mounted Displays) characteristics related to human-system interaction	13.180; 35.180	2022-06
ISO 9300	Measurement of gas flow by means of critical flow nozzles	17.120.10	2022-06
ISO 10545-20	Ceramic tiles – Part 20: Determination of deflection of ceramic tiles for calculating their radius of curvature	91.100.23	2022-06
ISO 10592	Small craft – Remote hydraulic steering systems	47.080	2022-06
ISO 11137-2 AMD 1	Sterilization of health care products – Radiation – Part 2: Establishing the sterilization dose; Amendment 1	11.080.01	2022-06
ISO 12199	Alphabetical ordering of multilingual terminological and lexicographical data represented in the Latin alphabet	1.020	2022-06
ISO 12241	Thermal insulation for building equipment and industrial installations – Calculation rules	91.120.10; 91.140.01	2022-06
ISO 12312-1	Eye and face protection – Sunglasses and related eyewear – Part 1: Sunglasses for general use	13.340.20	2022-06
ISO 13061-8	Physical and mechanical properties of wood – Test methods for small clear wood specimens – Part 8: Determination of ultimate strength in shearing parallel to grain	79.040	2022-06
ISO/TR 13086-5	Gas cylinders – Information for design of composite cylinders – Part 5: Impact testing of composite cylinders	23.020.35	2022-06
ISO 13209-3	Road vehicles – Open Test sequence eXchange format (OTX) – Part 3: Standard extensions and requirements	43.040.15; 43.180	2022-06
ISO 13266	Thermoplastics piping systems for non-pressure underground drainage and sewerage – Thermoplastics shafts or risers for inspection chambers and manholes – Determination of resistance against surface and traffic loading	23.040.20; 23.040.45; 91.140.80; 93.030	2022-06
ISO 13267	Thermoplastics piping systems for non-pressure underground drainage and sewerage – Thermoplastics inspection chamber and manhole bases – Test methods for buckling resistance	23.040.20; 23.040.45; 91.140.80; 93.030	2022-06
ISO 13268	Thermoplastics piping systems for non-pressure underground drainage and sewerage – Thermoplastics shafts or risers for inspection chambers and manholes – Determination of ring stiffness	23.040.20; 23.040.45; 91.140.80; 93.030	2022-06
ISO 13479	Polyolefin pipes for the conveyance of fluids – Determination of resistance to crack propagation – Test method for slow crack growth on notched pipes	23.040.20	2022-06
ISO 13590	Small craft – Personal watercraft – Construction and system installation requirements	47.080	2022-06
ISO 13696	Optics and photonics – Test method for total scattering by optical components	31.260	2022-06
ISO 14015	Environmental management – Guidelines for environmental due diligence assessment	13.020.10	2022-06
ISO 14017	Environmental management – Requirements with guidance for verification and validation of water statements	13.020.10; 13.060.01	2022-06
ISO 14087	Leather – Physical and mechanical tests – Determination of bending force	59.140.30	2022-06
ISO 14302	Space systems – Electromagnetic compatibility requirements	33.100.01; 49.140	2022-06
ISO/IEC 14496-30 AMD 1	Information technology – Coding of audio-visual objects – Part 30: Timed text and other visual overlays in ISO base media file format – Amendment 1: Timing improvements	35.040.40	2022-06

Oznaka norme	Naslov norme	ICS	Datum objave
ISO 14533-1	Processes, data elements and documents in commerce, industry and administration – Long term signature – Part 1: Profiles for CMS Advanced Electronic Signatures (CAAdES)	35.240.63	2022-06
ISO 14644-8	Cleanrooms and associated controlled environments – Part 8: Assessment of air cleanliness by chemical concentration (ACC)	13.040.35	2022-06
ISO 14899	Plastics – Polyols for use in the production of polyurethanes – Determination of basicity	83.080.10	2022-06
ISO 15830-1	Road vehicles – Design and performance specifications for the WorldSID 50th percentile male side-impact dummy – Part 1: Vocabulary and rationale	43.020	2022-06
ISO 15874-1 AMD 1	Plastics piping systems for hot and cold water installations – Polypropylene (PP) – Part 1: General – Amendment 1: Impact test	23.040.20; 91.140.60	2022-06
ISO 15874-2 AMD 2	Plastics piping systems for hot and cold water installations – Polypropylene (PP) – Part 2: Pipes – Amendment 2: Impact test	23.040.20; 91.140.60	2022-06
ISO 16152	Plastics – Determination of xylene-soluble matter in polypropylene	83.080.01	2022-06
ISO 16396-2	Plastics – Polyamide (PA) moulding and extrusion materials – Part 2: Preparation of test specimens and determination of properties	83.080.20	2022-06
ISO 16494-1	Heat recovery ventilators and energy recovery ventilators – Method of test for performance – Part 1: Development of metrics for evaluation of energy related performance	23.120; 27.080	2022-06
ISO 16628	Anaesthetic and respiratory equipment – Tracheobronchial tubes	11.040.10	2022-06
ISO/TS 16843-6	Health informatics – Categorial structures for representation of acupuncture – Part 6: Acupuncture effects	35.240.80	2022-06
ISO 18115-3	Surface chemical analysis – Vocabulary – Part 3: Terms used in optical interface analysis	01.040.71; 71.040.40	2022-06
ISO/IEC 18181-1 AMD 1	Information technology – JPEG XL image coding system – Part 1: Core coding system – Amendment 1: Profiles and levels for JPEG XL image coding system	35.040.30	2022-06
ISO 18362 AMD 1	Manufacture of cell-based health care products – Control of microbial risks during processing; Amendment 1	11.080.01	2022-06
ISO 18768-1	Organic coatings on aluminium and its alloys – Methods for specifying decorative and protective organic coatings on aluminium – Part 1: Powder coatings	25.220.60	2022-06
ISO 18768-2	Organic coatings on aluminium and its alloys – Methods for specifying decorative and protective organic coatings on aluminium – Part 2: Liquid coatings	25.220.60	2022-06
ISO 18778	Respiratory equipment – Particular requirements for basic safety and essential performance of infant cardiorespiratory monitors	11.040.10; 11.040.55	2022-06
ISO 19014-2	Earth-moving machinery – Functional safety – Part 2: Design and evaluation of hardware and architecture requirements for safety-related parts of the control system	53.100	2022-06
ISO 19403-1	Paints and varnishes – Wettability – Part 1: Vocabulary and general principles	01.040.87; 87.040	2022-06
ISO 19445	Graphic technology – Metadata for graphic arts workflow – XMP metadata for image and document proofing	35.240.30	2022-06
ISO 19461-2	Radiological protection – Measurement for the clearance of waste contaminated with radioisotopes for medical application – Part 2: Management of solid radioactive waste in nuclear medicine facilities	13.280; 17.240	2022-06
ISO 19901-2	Petroleum and natural gas industries – Specific requirements for offshore structures – Part 2: Seismic design procedures and criteria	75.180.10	2022-06
ISO 19983	Rubber – Determination of precision of test methods	83.060	2022-06
ISO 20054	Plain bearings – Bearings containing dispersed solid lubricants	21.100.10	2022-06

Oznaka norme	Naslov norme	ICS	Datum objave
ISO/IEC 20248	Information technology – Automatic identification and data capture techniques – Digital signature data structure schema	35.040.50	2022-06
ISO 21448	Road vehicles – Safety of the intended functionality	43.040.10	2022-06
ISO 21869	Rubber compounding ingredients – Magnesium oxide – Methods of test	83.040.20	2022-06
ISO/TS 21913	Temperature verification method applied to dynamic fatigue testing	77.040.10	2022-06
ISO 21931-1	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 1: Buildings	91.040.01	2022-06
ISO 22003-1	Food safety – Part 1: Requirements for bodies providing audit and certification of food safety management systems	03.120.20; 67.020	2022-06
ISO 22003-2	Food safety – Part 2: Requirements for bodies providing evaluation and certification of products, processes and services, including an audit of the food safety system	03.120.20; 67.020	2022-06
ISO 22007-2	Plastics – Determination of thermal conductivity and thermal diffusivity – Part 2: Transient plane heat source (hot disc) method	83.080.01	2022-06
ISO/PAS 22101-1	Polyethylene reinforced with short glass fibres (PE-sGF) piping systems for industrial applications – Part 1: General	23.040.01	2022-06
ISO/PAS 22101-2	Polyethylene reinforced with short glass fibres (PE-sGF) piping systems for industrial applications – Part 2: Pipes	23.040.01	2022-06
ISO 22900-2	Road vehicles – Modular vehicle communication interface (MVCI) – Part 2: Diagnostic protocol data unit (D-PDU API)	43.040.15	2022-06
ISO/TS 22943	Information and documentation – Principles of identification	01.140.20	2022-06
ISO/IEC 23001-18	Information technology – MPEG systems technologies – Part 18: Event message track format for the ISO base media file format	35.040.40	2022-06
ISO/IEC 23053	Framework for Artificial Intelligence (AI) Systems Using Machine Learning (ML)	35.020	2022-06
ISO/IEC 23093-3	Information technology – Internet of media things – Part 3: Media data formats and APIs	35.040.40	2022-06
ISO 23170	Surface chemical analysis – Depth profiling – Non-destructive depth profiling of nanoscale heavy metal oxide thin films on Si substrates with medium energy ion scattering	71.040.40	2022-06
ISO 23218-1	Industrial automation systems and integration – Numerical control systems for machine tools – Part 1: Requirements for numerical control systems	25.040.20	2022-06
ISO 23418	Microbiology of the food chain – Whole genome sequencing for typing and genomic characterization of bacteria – General requirements and guidance	07.100.30	2022-06
ISO 23478	Bamboo structures – Engineered bamboo products – Test methods for determination of physical and mechanical properties	91.080.20	2022-06
ISO 23704-1	General requirements for cyber-physically controlled smart machine tool systems (CPSMT) – Part 1: Overview and fundamental principles	25.040.20	2022-06
ISO 23704-2	General requirements for cyber-physically controlled smart machine tool systems (CPSMT) – Part 2: Reference architecture of CPSMT for subtractive manufacturing	25.040.20	2022-06
ISO 23828	Fuel cell road vehicles – Energy consumption measurement – Vehicles fuelled with compressed hydrogen	43.120	2022-06
ISO 23838	Metallic materials – High strain rate torsion test at room temperature	77.040.10	2022-06
ISO 23875 AMD 1	Mining – Air quality control systems for operator enclosures – Performance requirements and test methods; Amendment 1	13.040.30; 73.020	2022-06
ISO 23876	Gas cylinders – Cylinders and tubes of composite construction – Acoustic emission examination (AT) for periodic inspection and testing	23.020.35	2022-06

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ISO/TS 23885	Paper, board and graphic technology – Determination of the coating strength in the inner fold	37.100.01; 85.060	2022-06
ISO/IEC 24039	Information technology – Smart city digital platform reference architecture – Data and service	13.020.20; 35.240.99	2022-06
ISO 24120-1	Agricultural irrigation equipment – Guideline on the implementation of pressurized irrigation systems – Part 1: General principles of irrigation	65.060.35	2022-06
ISO/TR 24188	Large outdoor fires and the built environment – Global overview of different approaches to standardization	13.220.01	2022-06
ISO 24196	Lignins – Determination of lignin content in kraft lignin, soda lignin and hydrolysis lignin	85.040	2022-06
ISO 24215	Lignins – Determination of carbohydrate composition in kraft lignin, soda lignin and hydrolysis lignin	85.040	2022-06
ISO 24225	Ships and marine technology – Pneumatic quick-closing control devices	47.020.01	2022-06
ISO 24246	Space systems – Requirements for global navigation satellite system (GNSS) positioning augmentation centers	49.140	2022-06
ISO 24260	Thermal insulation products – Hemp fiber mat and board – Specification	91.100.60	2022-06
ISO 24319	Ships and marine technology – Design and test requirements for small steel hatches using electrical trace heating	47.020.10	2022-06
ISO 24442	Cosmetics – Sun protection test methods – In vivo determination of sunscreen UVA protection	71.100.70	2022-06
ISO 24461	Textiles – Anti-mosquito performance test method using the attractive blood feeding apparatus	59.080.01	2022-06
ISO 24571	Traditional Chinese medicine – General requirements for the basic safety and essential performance of electro-acupuncture stimulators	11.040.60	2022-06
ISO 24584	Textiles – Smart textiles – Test method for sheet resistance of conductive textiles using non-contact type	59.060.01	2022-06
ISO 26870	Space systems – Launch pad and integration site operational documents	49.140	2022-06
ISO/IEC 27036-2	Cybersecurity – Supplier relationships – Part 2: Requirements	35.030	2022-06
ISO/IEC 27400	Cybersecurity – IoT security and privacy – Guidelines	35.030	2022-06
ISO/IEC 30150-1	Information technology – Affective computing user interface (AUI) – Part 1: Model	35.240.20	2022-06
ISO 31600	Water efficiency labelling programmes – Requirements with guidance for implementation	97.020	2022-06
ISO 37110	Sustainable cities and communities – Management requirements and recommendations for open data for smart cities and communities – Overview and general principles	13.020.20	2022-06
ISO 37168	Smart community infrastructures – Guidance on smart transportation by Electric, Connected and Autonomous Vehicles (eCAVs) and its application to on-demand responsive passenger services with shared vehicles	03.220.01; 13.020.20	2022-06
ISO 37181	Smart community infrastructures – Smart transportation by autonomous vehicles on public roads	03.220.20; 13.020.20	2022-06
ISO 37182	Smart community infrastructures – Smart transportation for fuel efficiency and pollution emission reduction in bus transportation services	03.220.20; 13.020.20	2022-06

## Međunarodna normizacija (IEC)

Oznaka norme	Naslov norme	ICS	Datum objave
IEC/TR 63222-10	Power quality management – Part 100: Impact of poor power quality on electric equipment and power system	17.220.99; 29.240.01	2022-06
IEC/TR 60825-13	Safety of laser products – Part 13: Measurements for classification of laser products	31.260	2022-06
IEC/TR 62627-01	Fibre optic interconnecting devices and passive components – Part 01: Fibre optic connector cleaning methods	33.180.20	2022-06
IEC/TR 61292-12	Optical amplifiers – Part 12: Optical fibre amplifiers for space division multiplexing transmission	33.180.30	2022-06
IEC/TS 60034-25	Rotating electrical machines – Part 25: AC electrical machines used in power drive systems – Application guide	29.160.01	2022-06
IEC 60050-113 AMD 5	International Electrotechnical Vocabulary (IEV) – Part 113: Physics for electrotechnology; Amendment 5	01.040.07; 01.040.29; 07.030; 29.020	2022-06
IEC 60086-1 Corrigendum 1	Primary batteries – Part 1: General; Corrigendum 1	13.020-80; 29.220.10	2022-06
IEC 60086-2 Corrigendum 1	Primary batteries – Part 2: Physical and electrical specifications; Corrigendum 1	29.220.10	2022-06
IEC 60086-5 Corrigendum 1	Primary batteries – Part 5: Safety of batteries with aqueous electrolyte; Corrigendum 1	29.220.10	2022-06
IEC 60153-4	Hollow metallic waveguides – Part 4: Relevant specifications for circular waveguides	33.120.10	2022-06
IEC/TR 60286-3-4 Corrigendum 1	Packaging of components for automatic handling – Part 3-4: Packaging of surface mount components on continuous embossed tapes for Auto Loading Feeder; Corrigendum 1	31.020; 31.240; 55.060	2022-06
IEC 60318-7	Electroacoustics – Simulators of human head and ear – Part 7: Head and torso simulator for the measurement of sound sources close to the ear	11.180.15; 17.140.50	2022-06
IEC 60336 Corrigendum 1	Medical electrical equipment – X-ray tube assemblies for medical diagnosis – Focal spot dimensions and related characteristics; Corrigendum 1	11.040.50	2022-06
IEC 60544-5	Electrical insulating materials – Determination of the effects of ionizing radiation – Part 5: Procedures for assessment of ageing in service	17.240; 29.035.01	2022-06
IEC 60674-3-4	Plastic films for electrical purposes – Part 3: Specifications for individual materials – Sheet 4: Polyimide films used for electrical insulation	29.035.20	2022-06
IEC 60721-3-2 Corrigendum 2	Classification of environmental conditions – Part 3-2: Classification of groups of environmental parameters and their severities – Transportation and handling; Corrigendum 2	19.040	2022-06
IEC 60793-1-1	Optical fibres – Part 1-1: Measurement methods and test procedures – General and guidance	33.180.10	2022-06
IEC 60966-2-8	Radio frequency and coaxial cable assemblies – Part 2-8: Detail specification for cable assemblies for radio and TV receivers – Frequency range up to 3000 MHz, Screening class A++, IEC 61169-47 connectors	33.120.01; 33.120.10	2022-06
IEC 60966-4-2	Radio frequency and coaxial cable assemblies – Part 4-2: Detail specification for semi-rigid cable assemblies (jumper) – Frequency range up to 6000 MHz, type 50-9 semi-rigid coaxial cable	33.120.01; 33.120.10	2022-06
IEC 60966-4-3	Radio frequency and coaxial cable assemblies – Part 4-3: Detail specification for semi-rigid cable assemblies – Frequency range up to 6000 MHz, type 50-12 low loss semi-rigid coaxial cable	33.120.01; 33.120.10	2022-06
IEC/TR 61000-1-4	Electromagnetic compatibility (EMC) – Part 1-4: General – Historical rationale for the limitation of power-frequency conducted harmonic current emissions from equipment, in the frequency range up to 2 kHz	33.100.10	2022-06
IEC 61223-3-5 Corrigendum 1	Evaluation and routine testing in medical imaging departments – Part 3-5: Acceptance and constancy tests – Imaging performance of computed tomography X-ray equipment; Corrigendum 1	11.040.50	2022-06

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IEC 61290-1	Optical amplifiers – Test methods – Part 1: Power and gain parameters	33.180.30	2022-06
IEC 61340-2-1 AMD 1	Electrostatics – Part 2-1: Measurement methods – Ability of materials and products to dissipate static electric charge; Amendment 1	17.220.20; 17.220.99; 29.020	2022-06
IEC 61340-2-1 Edition 2.1	Electrostatics – Part 2-1: Measurement methods – Ability of materials and products to dissipate static electric charge	17.220.20; 17.220.99; 29.020	2022-06
IEC/PAS 61340-5-6	Electrostatics – Part 5-6: Protection of electronic devices from electrostatic phenomena – Process assessment techniques	17.220.20; 17.220.99; 29.020; 31.020	2022-06
IEC 61643-31 Corrigendum 1	Low-voltage surge protective devices – Part 31: Requirements and test methods for SPDs for photovoltaic installations; Corrigendum 1	27.160; 29.120.50	2022-06
IEC 61754-20 AMD 1	Fibre optic interconnecting devices and passive components – Fibre optic connector interfaces – Part 20: Type LC connector family; Amendment 1	33.180.20	2022-06
IEC 61754-20 Edition 2.1	Fibre optic interconnecting devices and passive components – Fibre optic connector interfaces – Part 20: Type LC connector family	33.180.20	2022-06
IEC 61757-4-3 Corrigendum 1	Fibre optic sensors – Part 4-3: Electric current measurement – Polarimetric method; Corrigendum 1	33.180.99	2022-06
IEC/TR 61760-3-1	Surface mounting technology – Part 3-1: Standard method for the specification of components for through hole reflow (THR) soldering – Guidelines for through hole diameter design with solder paste surface printing method	31.020; 31.190	2022-06
IEC 62055-31	Electricity metering – Payment systems – Part 31: Particular requirements – Static payment meters for active energy (classes 0,5, 1 and 2)	91.140.50	2022-06
IEC 62108	Concentrator photovoltaic (CPV) modules and assemblies – Design qualification and type approval	27.160	2022-06
IEC 62271-202	High-voltage switchgear and controlgear – Part 202: AC prefabricated substations for rated voltages above 1 kV and up to and including 52 kV	29.130.10	2022-06
IEC 62271-212	High-voltage switchgear and controlgear – Part 212: Compact Equipment Assembly for Distribution Substation (CEADS) for AC voltages up to 52 kV	29.130.10	2022-06
IEC 62485-5 Corrigendum 1	Safety requirements for secondary batteries and battery installations – Part 5: Safe operation of stationary lithium ion batteries; Corrigendum 1	29.220.20	2022-06
IEC 62493 AMD 1	Assessment of lighting equipment related to human exposure to electromagnetic fields; Amendment 1	17.240; 29.020; 29.140.99; 91.160.01	2022-06
IEC 62493 Edition 2.1	Assessment of lighting equipment related to human exposure to electromagnetic fields	17.240; 29.020; 29.140.99; 91.160.01	2022-06
IEC 62657-2	Industrial networks – Coexistence of wireless systems – Part 2: Coexistence management	25.040.40; 35.110	2022-06
IEC 62702-1-1	Audio archive system – Part 1-1: DVD disk and data migration for long-term audio data storage	01.140.20; 33.160.30; 35.220.30	2022-06
IEC 62702-1-2	Audio archive system – Part 1-2: BD disk and data migration for long-term audio data storage	33.160.30; 35.220.30	2022-06
IEC 62722-1	Luminaire performance – Part 1: General requirements	13.020-80; 29.140.40	2022-06
IEC 62783-1-1	Twinax cables for digital communications – Part 1-1: Time domain test methods for twinax cables for digital communications – General requirements	33.120.20	2022-06
IEC/ASTM 62885-7 AMD 1	Surface cleaning appliances – Part 7: Dry cleaning robots for household or similar use – Methods for measuring the performance; Amendment 1	97.080	2022-06
IEC/ASTM 62885-7 Edition 1.1	Surface cleaning appliances – Part 7: Dry cleaning robots for household or similar use – Methods for measuring the performance	97.080	2022-06



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IEC 62906-5-4 Corrigendum 1	Laser display devices – Part 5-4: Optical measuring methods of colour speckle; Corrigendum 1	31.260	2022-06
IEC 62985 Corrigendum 1	Methods for calculating size specific dose estimates (SSDE) for computed tomography; Corrigendum 1	11.040.50; 35.240.80	2022-06
IEC 63044-5-1 AMD 1	Home and building electronic systems (HBES) and building automation and control systems (BACS) – Part 5-1: EMC requirements, conditions and test set-up; Amendment 1	29.120.01; 29.120.99; 97.120	2022-06
IEC 63044-5-1 Edition 1.1	Home and building electronic systems (HBES) and building automation and control systems (BACS) – Part 5-1: EMC requirements, conditions and test set-up	29.120.01; 29.120.99; 97.120	2022-06
IEC 63044-5-2 AMD 1	Home and building electronic systems (HBES) and building automation and control systems (BACS) – Part 5-2: EMC requirements for HBES/BACS used in residential, commercial and light-industrial environments; Amendment 1	29.120.01; 29.120.99; 97.120	2022-06
IEC 63044-5-2 Edition 1.1	Home and building electronic systems (HBES) and building automation and control systems (BACS) – Part 5-2: EMC requirements for HBES/BACS used in residential, commercial and light-industrial environments	29.120.01; 29.120.99; 97.120	2022-06
IEC 63044-5-3 AMD 1	Home and building electronic systems (HBES) and building automation and control systems (BACS) – Part 5-3: EMC requirements for HBES/BACS used in industrial environments; Amendment 1	29.120.01; 29.120.99; 97.120	2022-06
IEC 63044-5-3 Edition 1.1	Home and building electronic systems (HBES) and building automation and control systems (BACS) – Part 5-3: EMC requirements for HBES/BACS used in industrial environments	29.120.01; 29.120.99; 97.120	2022-06
IEC/TR 63065 AMD 1	Guidelines for operation and maintenance of line commutated converter (LCC) HVDC converter station; Amendment 1	29.200; 29.240.01	2022-06
IEC/TR 63065 Edition 1.1	Guidelines for operation and maintenance of line commutated converter (LCC) HVDC converter station	29.200; 29.240.01	2022-06
IEC/TS 63202-4	Photovoltaic cells – Part 4: Measurement of light and elevated temperature induced degradation of crystalline silicon photovoltaic cells	27.160	2022-06
IEC/TS 63265	Photovoltaic power systems – Reliability practices for operation	27.160	2022-06
IEC 63318	Specifications for SELV DC systems conforming to the ESMAP multi-tier framework tier 2 and tier 3 requirements for household electricity supply	27.160; 91.140.50	2022-06
IEC/TR 63401-2	Dynamic characteristics of inverter-based resources in bulk power systems – Part 2: Sub- and super-synchronous control interactions	27.160; 27.180; 29.020; 29.240.01	2022-06
IEC/TR 63401-4	Dynamic characteristics of inverter-based resources in bulk power systems – Part 4: Behaviour of inverter-based resources in response to bulk grid faults	27.160; 27.180; 29.020; 29.240.01	2022-06
ISO/IEC 5218	Information technology – Codes for the representation of human sexes	35.040.50	2022-06
ISO/IEC TR 5895	Cybersecurity – Multi-party coordinated vulnerability disclosure and handling	35.030	2022-06
ISO/IEC/IEEE 8802-22	Telecommunications and information exchange between systems – Wireless Regional Area Networks (WRAN) – Specific requirements – Part 22: Cognitive Wireless RAN Medium Access Control (MAC) and Physical Layer (PHY) Specifications: Policies and procedures for operation in the bands that allow spectrum sharing where the communications devices may opportunistically operate in the spectrum of primary service	35.110	2022-06
ISO/IEC 9075-1 Technical Corrigendum 1	Information technology – Database languages – SQL – Part 1: Framework (SQL/Framework); Technical Corrigendum 1	35.060	2022-06
ISO/IEC 9075-2 Technical Corrigendum 2	Information technology – Database languages – SQL – Part 2: Foundation (SQL/Foundation); Technical Corrigendum 2	35.060	2022-06

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ISO/IEC 9075-3 Technical Corrigendum 1	Information technology – Database languages – SQL – Part 3: Call-Level Interface (SQL/CLI); Technical Corrigendum 1	35.060	2022-06
ISO/IEC 9075-4 Technical Corrigendum 2	Information technology – Database languages – SQL – Part 4: Persistent stored modules (SQL/PSM); Technical Corrigendum 2	35.060	2022-06
ISO/IEC 9075-9 Technical Corrigendum 2	Information technology – Database languages – SQL – Part 9: Management of External Data (SQL/MED); Technical Corrigendum 2	35.060	2022-06
ISO/IEC 9075-10 Technical Corrigendum 1	Information technology – Database languages – SQL – Part 10: Object language bindings (SQL/OLB); Technical Corrigendum 1	35.060	2022-06
ISO/IEC 9075-11 Technical Corrigendum 2	Information technology – Database languages – SQL – Part 11: Information and definition schemas (SQL/Schemata); Technical Corrigendum 2	35.060	2022-06
ISO/IEC 9075-13 Technical Corrigendum 2	Information technology – Database languages – SQL – Part 13: SQL Routines and types using the Java TM programming language (SQL/JRT); Technical Corrigendum 2	35.060	2022-06
ISO/IEC 9075-14 Technical Corrigendum 2	Information technology – Database languages – SQL – Part 14: XML-Related Specifications (SQL/XML); Technical Corrigendum 2	35.060	2022-06
ISO/IEC 9075-15 Technical Corrigendum 1	Information technology database languages – SQL – Part 15: Multi-dimensional arrays (SQL/MDA); Technical Corrigendum 1	35.060	2022-06
ISO/IEC 14496-30 AMD 1	Information technology – Coding of audio-visual objects – Part 30: Timed text and other visual overlays in ISO base media file format – Amendment 1: Timing improvements	35.040.40	2022-06
ISO/IEC 18181-1 AMD 1	Information technology – JPEG XL image coding system – Part 1: Core coding system – Amendment 1: Profiles and levels for JPEG XL image coding system	35.040.30	2022-06
ISO/IEC 20248	Information technology – Automatic identification and data capture techniques – Digital signature data structure schema	35.040.50	2022-06
ISO/IEC 23001-18	Information technology – MPEG systems technologies – Part 18: Event message track format for the ISO base media file format	35.040.40	2022-06
ISO/IEC 23053	Framework for Artificial Intelligence (AI) Systems Using Machine Learning (ML)	35.020	2022-06
ISO/IEC 23093-3	Information technology – Internet of media things – Part 3: Media data formats and APIs	35.040.40	2022-06
ISO/IEC 24039	Information technology – Smart city digital platform reference architecture – Data and service	13.020.20; 35.240.99	2022-06
ISO/IEC 27036-2	Cybersecurity – Supplier relationships – Part 2: Requirements	35.030	2022-06
ISO/IEC 27400	Cybersecurity – IoT security and privacy – Guidelines	35.030	2022-06
ISO/IEC 30150-1	Information technology – Affective computing user interface (AUI) – Part 1: Model	35.240.20	2022-06