

# Hrvatski zavod za norme

## Oglasnik za normativne dokumente

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

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

Izdavač:



HZN

**Hrvatski zavod za norme**  
Croatian Standards Institute

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# 1 Rezultati hrvatske normizacije

## 1.1 Hrvatske norme

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

Hrvatske norme mogu nastati na ova četiri načina:

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

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

### HZN/TO 5, Metalne cijevi i priključci

HRN EN 1515-4:2021 en pr  
Prirubnice i njihovi spojevi – Vijci i matice – 4. dio: Odabir vijaka i matica za opremu obuhvaćenu Direktivom za opremu pod tlakom 2014/68/EU (EN 1515-4:2021)  
Flanges and their joints – Bolting – Part 4: Selection of bolting for equipment subject to the Pressure Equipment Directive 2014/68/EU (EN 1515-4:2021)

### HZN/TO 8, Brodogradnja

HRN EN ISO 7840:2021 en pr  
Mala plovila – Vatrootporne savitljive cijevi za gorivo (ISO 7840:2021; EN ISO 7840:2021)  
Small craft – Fire-resistant fuel hoses (ISO 7840:2021; EN ISO 7840:2021)

HRN EN ISO 8099-2:2021 en pr  
Mala plovila – Sustav otpada – 2. dio: Sustavi za obradu fekalnih otpadnih voda (ISO 8099-2:2020; EN ISO 8099-2:2021)  
Small craft – Waste systems – Part 2: Sewage treatment systems (ISO 8099-2:2020; EN ISO 8099-2:2021)

HRN EN ISO 8469:2021 en pr  
Mala plovila – Savitljive cijevi za gorivo neotporne na vatru (ISO 8469:2021; EN ISO 8469:2021)  
Small craft – Non-fire-resistant fuel hoses (ISO 8469:2021; EN ISO 8469:2021)

HRN EN ISO 8848:2021 en pr  
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)

HRN EN ISO 23411:2021 en pr  
Mala plovila – Kormilarska kola (ISO 23411:2020; EN ISO 23411:2021)  
Small craft – Steering wheels (ISO 23411:2020; EN ISO 23411:2021)

### HZN/TO 22, Cestovna vozila

HRN EN 17347:2021 en pr  
Cestovna vozila – Strojevi za zamjenu guma – Sigurnosni zahtjevi (EN 17347:2021)  
Road vehicles – Machines for mounting and demounting vehicle tyres – Safety requirements (EN 17347:2021)

HRN EN ISO 19363:2021 en pr  
Cestovna vozila na električni pogon – Bežični prijenos energije magnetskim poljem – Zahtjevi za sigurnost i interoperabilnost (ISO 19363:2020; EN ISO 19363:2021)  
Electrically propelled road vehicles – Magnetic field wireless power transfer – Safety and interoperability requirements (ISO 19363:2020; EN ISO 19363:2021)

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

HRN EN ISO 22868:2021 en pr  
Šumarska i vrtna mehanizacija – Pravilo za ispitivanje buke prijenosnih ručnih strojeva s motorima s unutrašnjim izgaranjem – Inženjerska metoda (2. stupanj preciznosti) (ISO 22868:2021; EN ISO 22868:2021)  
Forestry and gardening machinery – Noise test code for portable hand-held machines with internal combustion engine – Engineering method (Grade 2 accuracy) (ISO 22868:2021; EN ISO 22868:2021)

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

HRN EN ISO 2719:2016/A1:2021 en pr  
Određivanje točke paljenja – Metoda zatvorene posude prema Pensky-Martensu – Amandman 1: Korekcije termometara (ISO 2719:2016/Amd 1:2021; EN ISO 2719:2016/A1:2021)  
Determination of flash point – Pensky-Martens closed cup method – Amendment 1: Thermometers correction (ISO 2719:2016/Amd 1:2021; EN ISO 2719:2016/A1:2021)

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

HRN EN ISO 4120:2021 en pr  
Senzorske analize – Metodologija – Test trokuta (ISO 4120:2021; EN ISO 4120:2021)  
Sensory analysis – Methodology – Triangle test (ISO 4120:2021; EN ISO 4120:2021)

### HZN/TO 43, Akustika

HRN EN ISO 11904-2:2021 en pr  
Akustika – Određivanje zvučne imisije od izvora zvuka smještenih blizu uha – 2. dio: Tehnika u kojoj se primjenjuje lutka (ISO 11904-2:2021; EN ISO 11904-2:2021)  
Acoustics – Determination of sound immission from sound sources placed close to the ear – Part 2: Technique using a manikin (ISO 11904-2:2021; EN ISO 11904-2:2021)

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

HRN EN ISO 17279-3:2021 en pr  
Zavarivanje – Mikrospajanje druge generacije visokotemperaturnih supravodiča – 3. dio: Metode ispitivanja spojeva (ISO 17279-3:2021; EN ISO 17279-3:2021)  
Welding – Micro joining of 2nd generation high temperature superconductors – Part 3: Test methods for joints (ISO 17279-3:2021; EN ISO 17279-3:2021)

HRN EN ISO 17677-1:2021 en pr  
Elektrootporno zavarivanje – Terminološki rječnik – 1. dio: Točkasto, bradavičasto i šavno zavarivanje (ISO 17677-1:2021; EN ISO 17677-1:2021)  
Resistance welding – Vocabulary – Part 1: Spot, projection and seam welding (ISO 17677-1:2021; EN ISO 17677-1:2021)

### HZN/TO 71, Beton

HRN EN 206:2021 en pr  
Beton – Specifikacija, svojstva, proizvodnja i sukladnost (EN 206:2013+A2:2021)  
Concrete – Specification, performance, production and conformity (EN 206:2013+A2:2021)

HRN EN 12390-18:2021 en pr  
Ispitivanje očvrsloga betona – 18. dio: Određivanje koeficijenta migracije klorida (EN 12390-18:2021)  
Testing hardened concrete – Part 18: Determination of the chloride migration coefficient (EN 12390-18:2021)

### HZN/TO 120, Koža i obuća

HRN EN ISO 17130:2021 en pr  
Koža – Fizikalna i mehanička ispitivanja – Određivanje promjene dimenzija (ISO 17130:2021; EN ISO 17130:2021)  
Leather – Physical and mechanical tests – Determination of dimensional change (ISO 17130:2021; EN ISO 17130:2021)

HRN EN ISO 27587:2021 en pr  
Koža – Kemijska ispitivanja – Određivanje slobodnog formaldehida u pomoćnim sredstvima za obradu (ISO 27587:2021; EN ISO 27587:2021)  
Leather – Chemical tests – Determination of the free formaldehyde in process auxiliaries (ISO 27587:2021; EN ISO 27587:2021)

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

HRN EN 1519-1:2019/lsp.r.1:2021 en pr  
Plastični cijevni sustavi za odvodnju onečišćenih i otpadnih voda (niske i visoke temperature) unutar građevinskih konstrukcija – Polietilen (PE) – 1. dio: Zahtjevi za cijevi, spojnice i sustav (EN 1519-1:2019/AC:2021)  
Plastics piping systems for soil and waste discharge (low and high temperature) within the building structure – Polyethylene (PE) – Part 1: Requirements for pipes, fittings and the system (EN 1519-1:2019/AC:2021)

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

HRN EN ISO 22282-4:2021 en pr  
Geotehničko istraživanje i ispitivanje – Geohidrauličko ispitivanje – 4. dio: Ispitivanje crpenjem vode (ISO 22282-4:2021; EN ISO 22282-4:2021)  
Geotechnical investigation and testing – Geohydraulic testing – Part 4: Pumping tests (ISO 22282-4:2021; EN ISO 22282-4:2021)

## **HZN/TO 196, *Prirodni kamen***

HRN EN 16301:2021 en pr  
Metode ispitivanja prirodnog kamena – Određivanje osjetljivosti na slučajno bojanje (EN 16301:2021)  
Natural stone test methods – Determination of sensitivity to accidental staining (EN 16301:2021)

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

HRN EN ISO 25619-1:2021 en pr  
Geosintetici – Određivanje ponašanja pri opterećenju tlakom – 1. dio: Svojstva puzanja pri opterećenju tlakom (ISO 25619-1:2021; EN ISO 25619-1:2021)  
Geosynthetics – Determination of compression behaviour – Part 1: Compressive creep properties (ISO 25619-1:2021; EN ISO 25619-1:2021)

## **HZN/TO 238, *Čvrsta biogoriva***

HRN EN ISO 17225-3:2021 en pr  
Čvrsta biogoriva – Specifikacije goriva i razredi – 3. dio: Klasifikacija drvnih briketa (ISO 17225-3:2021; EN ISO 17225-3:2021)  
Solid biofuels – Fuel specifications and classes – Part 3: Graded wood briquettes (ISO 17225-3:2021; EN ISO 17225-3:2021)

HRN EN ISO 17225-4:2021 en pr  
Čvrsta biogoriva – Specifikacije goriva i razredi – 4. dio: Klasifikacija drvene sječke (ISO 17225-4:2021; EN ISO 17225-4:2021)  
Solid biofuels – Fuel specifications and classes – Part 4: Graded wood chips (ISO 17225-4:2021; EN ISO 17225-4:2021)

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

HRN EN 13600:2021 en pr  
Bakar i legure bakra – Bešavne bakrene cijevi za primjenu u elektrotehnici (EN 13600:2021)  
Copper and copper alloys – Seamless copper tubes for electrical purposes (EN 13600:2021)

HRN EN ISO 19879:2021 en pr  
Metalni cijevni priključci za hidrauliku i opću uporabu – Metode ispitivanja za hidraulične priključke (ISO 19879:2021; EN ISO 19879:2021)  
Metallic tube connections for fluid power and general use – Test methods for hydraulic fluid power connections (ISO 19879:2021; EN ISO 19879:2021)

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

HRN EN ISO 15663:2021 en pr  
Industrija nafte, petrokemije i prirodnog plina – Troškovi tijekom životnog ciklusa (ISO 15663:2021; EN ISO 15663:2021)  
Petroleum, petrochemical and natural gas industries – Life cycle costing (ISO 15663:2021; EN ISO 15663:2021)

## **HZN/TO 509, *Cestovna oprema***

HRN EN 1793-6:2021 en pr  
Barijere za zaštitu od buke s cesta – Metoda ispitivanja za određivanje akustičkih svojstava – 6. dio: Unutarnje značajke – In situ vrijednosti izolacije od vanjske buke u uvjetima neposrednog zvučnog polja (EN 1793-6:2018+A1:2021)  
Road traffic noise reducing devices – Test method for determining the acoustic performance – Part 6: Intrinsic characteristics – In situ values of airborne sound insulation under direct sound field conditions (EN 1793-6:2018+A1:2021)

## **HZN/TO 522, *Karakterizacija i zbrinjavanje otpada***

HRN EN 1501-1:2021 en pr  
Vozila za skupljanje otpada – Opći i sigurnosni zahtjevi – 1. dio: Vozila za skupljanje otpada sa stražnjim punjenjem (EN 1501-1:2021)  
Refuse collection vehicles – General requirements and safety requirements – Part 1: Rear loaded refuse collection vehicles (EN 1501-1:2021)

HRN EN 1501-2:2021 en pr  
Vozila za skupljanje otpada – Opći i sigurnosni zahtjevi – 2. dio: Vozila za skupljanje otpada s bočnim punjenjem (EN 1501-2:2021)  
Refuse collection vehicles – General requirements and safety requirements – Part 2: Side loaded refuse collection vehicles (EN 1501-2:2021)

HRN EN 1501-3:2021 en pr  
Vozila za skupljanje otpada – Opći i sigurnosni zahtjevi – 3. dio: Vozila za skupljanje otpada s prednjim punjenjem (EN 1501-3:2021)  
Refuse collection vehicles – General requirements and safety requirements – Part 3: Front loaded refuse collection vehicles (EN 1501-3:2021)

HRN EN 1501-5:2021 en pr  
Vozila za skupljanje otpada – Opći i sigurnosni zahtjevi – 5. dio: Vozila za skupljanje otpada s podiznim uređajima (EN 1501-5:2021)  
Refuse collection vehicles – General requirements and safety requirements – Part 5: Lifting devices for refuse collection vehicles (EN 1501-5:2021)

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

HRN EN ISO 14819-1:2021 en pr  
Inteligentni transportni sustavi – Informativne poruke o prometu i putovanju u sustavu kodiranja prometnih informacija – 1. dio: Protokol za kodiranje u sustavu prijenosa podataka putem radija – Uporaba ALERT-C u kanalu za prijenos podataka o prometu (RDS-TMC) (ISO 14819-1:2021; EN ISO 14819-1:2021)  
Intelligent transport systems – Traffic and travel information messages via traffic message coding – Part 1: Coding protocol for Radio Data System – Traffic Message Channel (RDS-TMC) using ALERT-C (ISO 14819-1:2021; EN ISO 14819-1:2021)

HRN EN ISO 14907-2:2021 en pr  
Elektronička naplata – Ispitni postupci za korisničku i nepomičnu opremu – 2. dio: Ispitivanje sukladnosti sučelja aplikacije za uređaje ugrađene u vozilo (ISO 14907-2:2021; EN ISO 14907-2:2021)  
Electronic fee collection – Test procedures for user and fixed equipment – Part 2: Conformance test for the on-board unit application interface (ISO 14907-2:2021; EN ISO 14907-2:2021)

HRN EN 16157-4:2021 en pr  
Inteligentni transportni sustavi – DATEX II specifikacija za razmjenu podataka za upravljanje prometom i informiranje – 4. dio: VMS publikacija (EN 16157-4:2021)  
Intelligent transport systems – DATEX II data exchange specifications for traffic management and information – Part 4: VMS publication (EN 16157-4:2021)

HRS CEN ISO/TS 21184:2021 en pr  
Kooperativni inteligentni transportni sustavi (C-ITS) – Okvir upravljanja općim podacima o prijevozu (GTDM) (ISO/TS 21184:2021; CEN ISO/TS 21184:2021)  
Cooperative intelligent transport systems (C-ITS) – Global transport data management (GTDM) framework (ISO/TS 21184:2021; CEN ISO/TS 21184:2021)

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

- HRN EN 13614:2021 en pr  
Bitumen i bitumenska veziva – Određivanje prionjivosti bitumenskih emulzija postupkom uranjanja u vodu (EN 13614:2021)  
Bitumen and bituminous binders – Determination of adhesivity of bituminous emulsions by water immersion test (EN 13614:2021)

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

- HRN EN 13749:2021 en pr  
Željeznički sustav – Osovinski sklopovi i okretna postolja – Metode definiranja zahtjeva za oblikovanje okvira okretnih postolja (EN 13749:2021)  
Railway applications – Wheelsets and bogies – Method of specifying the structural requirements of bogie frames (EN 13749:2021)
- HRN EN 15807:2021 en pr  
Željeznički sustav – Poluspojke zračne instalacije (EN 15807:2021)  
Railway applications – Pneumatic half couplings (EN 15807:2021)

## **HZN/TO 529, Granici, dizalice i prenosila neprekidne dobave**

- HRN EN 528:2021 en pr  
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)
- HRN EN 13001-2:2021 en pr  
Sigurnost granika – Osnove projektiranja – 2. dio: Djelovanje opterećenja (EN 13001-2:2021)  
Crane safety – General design – Part 2: Load actions (EN 13001-2:2021)
- HRN EN 13852-3:2021 en pr  
Granici – Odobalni granici – 3. dio: Laki odobalni granici (EN 13852-3:2021)  
Cranes – Offshore cranes – Part 3: Light offshore cranes (EN 13852-3:2021)

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

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

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

- HRN EN ISO 1628-1:2021 en pr  
Plastika – Određivanje viskoznosti polimera u razrijeđenoj otopini uporabom kapilarnih viskozimetara – 1. dio: Opća načela (ISO 1628-1:2021; EN ISO 1628-1:2021)  
Plastics – Determination of the viscosity of polymers in dilute solution using capillary viscometers – Part 1: General principles (ISO 1628-1:2021; EN ISO 1628-1:2021)
- HRN EN ISO 16929:2021 en pr  
Plastika – Određivanje stupnja raspada plastičnog materijala prema utvrđenim uvjetima kompostiranja ispitivanjem u poluindustrijskom mjerilu (ISO 16929:2021; EN ISO 16929:2021)  
Plastics – Determination of the degree of disintegration of plastic materials under defined composting conditions in a pilot-scale test (ISO 16929:2021; EN ISO 16929:2021)

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

- HRN EN 13126-2:2021 en pr  
Građevni okovi – Okovi za prozore i prozorska vrata – Zahtjevi i metode ispitivanja – 2. dio: Ručke za zatvaranje prozora (EN 13126-2:2021)  
Building hardware – Hardware for windows and door height windows – Requirements and test methods – Part 2: Window fastener handles (EN 13126-2:2021)
- HRN EN 13126-7:2021 en pr  
Građevni okovi – Okovi za prozore i prozorska vrata – Zahtjevi i metode ispitivanja – 7. dio: Zasuni na oprugu (otponci) (EN 13126-7:2021)  
Building hardware – Hardware for windows and door height windows – Requirements and test methods – Part 7: Finger catches (EN 13126-7:2021)

- HRN EN 14500:2021 en pr  
Sjenila i zasloni – Toplinska i vizualna udobnost – Metode ispitivanja i proračuna (EN 14500:2021)  
Blinds and shutters – Thermal and visual comfort – Test and calculation methods (EN 14500:2021)

- HRN EN 14501:2021 en pr  
Sjenila i zasloni – Toplinska i vizualna udobnost – Izvedbene značajke i razredba (EN 14501:2021)  
Blinds and shutters – Thermal and visual comfort – Performance characteristics and classification (EN 14501:2021)

- HRN EN 17372:2021 en pr  
Strojno pogonjena okretna vrata za pješake s funkcijom samozatvaranja – Zahtjevi i metode ispitivanja (EN 17372:2021)  
Power operated pedestrian swing door drives with self closing function – Requirements and test methods (EN 17372:2021)

- HRN EN 17416:2021 en pr  
Staklo u graditeljstvu – Procjena otpuštanja opasnih tvari – Određivanje emisija proizvoda od stakla u zrak u zatvorenom prostoru (EN 17416:2021)  
Glass in building – Assessment of release of dangerous substances – Determination of emissions into indoor air from glass products (EN 17416:2021)

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

- HRN EN ISO 6410-3:2021 en pr  
Tehnički crteži – Vijčani navoji i navojni dijelovi – 3. dio: Pojednostavljeno prikazivanje (ISO 6410-3:2021; EN ISO 6410-3:2021)  
Technical drawings – Screw threads and threaded parts – Part 3: Simplified representation (ISO 6410-3:2021; EN ISO 6410-3:2021)

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

- HRN EN ISO 9046:2021 en pr  
Zgrade i inženjerske građevine – Brtvila – Određivanje svojstava adhezije/kohezije uz nepromjenjivu temperaturu (ISO 9046:2021; EN ISO 9046:2021)  
Buildings and civil engineering works – Sealants – Determination of adhesion/cohesion properties at constant temperature (ISO 9046:2021; EN ISO 9046:2021)

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

- HRN EN ISO 10993-23:2021 en pr  
Biološka procjena medicinskih proizvoda – 23. dio: Ispitivanja na iritaciju (ISO 10993-23:2021; EN ISO 10993-23:2021)  
Biological evaluation of medical devices – Part 23: Tests for irritation (ISO 10993-23:2021; EN ISO 10993-23:2021)

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

- HRN EN ISO 19734:2021 en pr  
Zaštita očiju i lica – Upute za odabir, upotrebu i održavanje (ISO 19734:2021; EN ISO 19734:2021)  
Eye and face protection – Guidance on selection, use and maintenance (ISO 19734:2021; EN ISO 19734:2021)

## **HZN/TO 557, Zaštitna odjeća**

- HRI CEN/TR 17620:2021 en pr  
Smjernice za odabir, uporabu, njegu i održavanje pametne odjeće koja štiti od topline i plamena (CEN/TR 17620:2021)  
Guidelines for selection, use, care and maintenance of smart garments protecting against heat and flame (CEN/TR 17620:2021)

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

- HRN EN ISO 22818:2021 en pr  
Tekstil – Određivanje kloriranih parafina kratkog lanca (SCCP) i kloriranih parafina srednjeg lanca (MCCP) u tekstilnim proizvodima iz različitih matrica upotrebom plinske kromatografije kemijskom ionizacijom negativnog iona masene spektrometrije (GC-NCI-MS) (ISO 22818:2021; EN ISO 22818:2021)  
Textiles – Determination of short-chain chlorinated paraffins (SCCP) and middle-chain chlorinated paraffins (MCCP) in textile products out of different matrices by use of gas chromatography negative ion chemical ionization mass spectrometry (GC-NCI-MS) (ISO 22818:2021; EN ISO 22818:2021)

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

HRN EN ISO 19085-1:2021 en pr  
Strojevi za obradu drva – Sigurnost – 1. dio: Opći zahtjevi (ISO 19085-1:2021; EN ISO 19085-1:2021)  
Woodworking machines – Safety – Part 1: Common requirements (ISO 19085-1:2021; EN ISO 19085-1:2021)

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

HRN EN ISO 21187:2021 en pr  
Mlijeko – Kvantitativno određivanje mikrobiološke kvalitete – Upute za uspostavljanje i potvrđivanje konverzijskog odnosa između rezultata alternativnih metoda i rezultata temeljne metode (ISO 21187:2021; EN ISO 21187:2021)  
Milk – Quantitative determination of microbiological quality – Guidance for establishing and verifying a conversion relationship between results of an alternative method and anchor method results (ISO 21187:2021; EN ISO 21187:2021)

## **HZN/TO 572, *Kruta oporabljena goriva***

HRN EN ISO 21645:2021 en pr  
Kruta oporabljena goriva – Metode uzorkovanja (ISO 21645:2021; EN ISO 21645:2021)  
Solid recovered fuels – Methods for sampling (ISO 21645:2021; EN ISO 21645:2021)

HRN EN ISO 21656:2021 en pr  
Kruta oporabljena goriva – Određivanje sadržaja pepela (ISO 21656:2021; EN ISO 21656:2021)  
Solid recovered fuels – Determination of ash content (ISO 21656:2021; EN ISO 21656:2021)

HRN EN ISO 21660-3:2021 en pr  
Kruta oporabljena goriva – Određivanje sadržaja vlage metodom sušenja u sušioniku – 3. dio: Vlaga u uzorku za opću analizu (ISO 21660-3:2021; EN ISO 21660-3:2021)  
Solid recovered fuels – Determination of moisture content using the oven dry method – Part 3: Moisture in general analysis sample (ISO 21660-3:2021; EN ISO 21660-3:2021)

HRN EN ISO 21912:2021 en pr  
Kruta oporabljena goriva – Sigurno rukovanje krutim oporabljenim gorivima i njihovo skladištenje (ISO 21912:2021; EN ISO 21912:2021)  
Solid recovered fuels – Safe handling and storage of solid recovered fuels (ISO 21912:2021; EN ISO 21912:2021)

HRN EN ISO 22167:2021 en pr  
Kruta oporabljena goriva – Određivanje sadržaja hlapljivih tvari (ISO 22167:2021; EN ISO 22167:2021)  
Solid recovered fuels – Determination of the content of volatile matter (ISO 22167:2021; EN ISO 22167:2021)

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

HRI CEN/TR 17014-101:2021 en pr  
Elektronička javna nabava – Sučelja za poslovnu interoperabilnost (BII), e-nadmetanje – 101. dio: Pregled (CEN/TR 17014-101:2018)  
Electronic public procurement – Business interoperability interfaces (BII), e-Tendering – Part 101: Overview (CEN/TR 17014-101:2018)

HRI CEN/TR 17015-101:2021 en pr  
Elektronička javna nabava – Sučelja za poslovnu interoperabilnost (BII), e-katalog – 101. dio: Pregled (CEN/TR 17015-101:2018)  
Electronic public procurement – Business interoperability interfaces (BII), e-Catalogue – Part 101: Overview (CEN/TR 17015-101:2018)

HRI CEN/TR 17016-101:2021 en pr  
Elektronička javna nabava – Sučelja za poslovnu interoperabilnost (BII), e-naručivanje – 101. dio: Pregled (CEN/TR 17016-101:2018)  
Electronic public procurement – Business interoperability interfaces (BII), e-Ordering – Part 101: Overview (CEN/TR 17016-101:2018)

HRI CEN/TR 17017-101:2021 en pr  
Elektronička javna nabava – Sučelja za poslovnu interoperabilnost (BII), e-ispunjavanje – 101. dio: Pregled (CEN/TR 17017-101:2018)  
Electronic public procurement – Business interoperability interfaces (BII), e-Fulfillment – Part 101: Overview (CEN/TR 17017-101:2018)

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

HRN ISO 10303-21:2021 en pr  
Sustavi industrijske automatizacije i integracije – Prikaz i razmjena podataka o proizvodu – 21. dio: Metode primjene: Tekstualno kodiranje strukture formata za razmjenu podataka (ISO 10303-21:2016)  
Industrial automation systems and integration – Product data representation and exchange – Part 21: Implementation methods: Clear text encoding of the exchange structure (ISO 10303-21:2016)

HRN ISO 15745-4:2004/A2:2021 en pr  
Sustavi industrijske automatizacije i integracije – Okvir za integraciju programskih podrški otvorenih sustava – 4. dio: Referencijski opis za sustave upravljanja koji se temelje na Ethernetu – Amandman 2: Profili za Modbus TCP, EtherCAT i ETHERNET Powerlink (ISO 15745-4:2003/Amd 2:2007)  
Industrial automation systems and integration – Open systems application integration framework – Part 4: Reference description for Ethernet-based control systems – Amendment 2: Profiles for Modbus TCP, EtherCAT and ETHERNET Powerlink (ISO 15745-4:2003/Amd 2:2007)

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

HRN EN IEC 62053-22:2021 en pr  
Električna brojlara za izmjeničnu struju – Posebni zahtjevi – 22. dio: Statička brojlara djelatne energije (razreda 0,1 S, 0,2 S i 0,5 S) (IEC 62053-22:2020; EN IEC 62053-22:2021)  
Electricity metering equipment (a.c.) – Particular requirements – Part 22: Static meters for active energy (classes 0,1 S, 0,2 S and 0,5 S) (IEC 62053-22:2020; EN IEC 62053-22:2021)

HRN EN IEC 62053-23:2021 en pr  
Električna brojlara za izmjeničnu struju – Posebni zahtjevi – 23. dio: Statička brojlara jalove energije (razreda 2 i 3) (IEC 62053-23:2020; EN IEC 62053-23:2021)  
Electricity metering equipment (a.c.) – Particular requirements – Part 23: Static meters for reactive energy (classes 2 and 3) (IEC 62053-23:2020; EN IEC 62053-23:2021)

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

HRN EN IEC 60947-5-8:2021 en pr  
Niskonaponska sklopna aparatura – Dio 5-8: Aparati za upravljačke strujne krugove i sklopni elementi – Tipkalo s tri slijedna položaja (IEC 60947-5-8:2020; EN IEC 60947-5-8:2021)  
Low-voltage switchgear and controlgear – Part 5-8: Control circuit devices and switching elements – Three-position enabling switches (IEC 60947-5-8:2020; EN IEC 60947-5-8:2021)

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

HRN EN IEC 61800-2:2021 en pr  
Elektromotorni sustavi podesive brzine – 2. dio: Opći zahtjevi – Specifikacija nazivnih vrijednosti za sustave izmjeničnih elektromotornih pogona s podesivom brzinom (IEC 61800-2:2021; EN IEC 61800-2:2021)  
Adjustable speed electrical power drive systems – Part 2: General requirements – Rating specifications for adjustable speed a.c. power drive systems (IEC 61800-2:2021; EN IEC 61800-2:2021)

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

HRN EN 60320-1:2015/A1:2021 en pr  
Aparatni utični pribor za kućanstvo i slične opće svrhe – 1. dio: Opći zahtjevi (IEC 60320-1:2015/am1:2018; EN 60320-1:2015/A1:2021)  
Appliance couplers for household and similar general purposes – Part 1: General requirements (IEC 60320-1:2015/am1:2018; EN 60320-1:2015/A1:2021)

HRN EN IEC 60320-2-1:2021 en pr  
Aparatni utični pribor za kućanstvo i slične opće svrhe – Dio 2-1: Utični pribor za šivalice (IEC 60320-2-1:2018; EN IEC 60320-2-1:2021)  
Appliance couplers for household and similar general purposes – Part 2-1: Sewing machine couplers (IEC 60320-2-1:2018; EN IEC 60320-2-1:2021)

HRN EN IEC 60320-2-4:2021 en pr  
Aparatni utični pribor za kućanstvo i slične opće svrhe – Dio 2-4: Utični pribor ovisan o težini aparata za uticanje (IEC 60320-2-4:2018; EN IEC 60320-2-4:2021)  
Appliance couplers for household and similar general purposes – Part 2-4: Couplers dependent on appliance weight for engagement (IEC 60320-2-4:2018; EN IEC 60320-2-4:2021)

HRN EN 60320-3:2015/A1:2021 en pr  
Aparatni utični pribor za kućanstvo i slične opće svrhe – 3. dio: Normni listovi i granična mjerila (IEC 60320-3:2014/am1:2018; EN 60320-3:2014/A1:2021)  
Appliance couplers for household and similar general purposes – Part 3: Standard sheets and gauges (IEC 60320-3:2014/am1:2018; EN 60320-3:2014/A1:2021)

HRN EN IEC 60799:2021 en pr  
Električni pribor – Prikjučni gipki vodovi i međuprikjučni gipki vodovi (IEC 60799:2018; EN IEC 60799:2021)  
Electrical accessories – Cord sets and interconnection cord sets (IEC 60799:2018; EN IEC 60799:2021)

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

HRN EN IEC 60598-1:2021 en pr  
Svjetiljke – 1. dio: Opći zahtjevi i ispitivanja (IEC 60598-1:2020; EN IEC 60598-1:2021)  
Luminaires – Part 1: General requirements and tests (IEC 60598-1:2020; EN IEC 60598-1:2021)

HRN EN 60838-1:2017/A2:2021 en pr  
Raznovrsna grla za žarulje – 1. dio: Opći zahtjevi i ispitivanja (IEC 60838-1:2016/am2:2020; EN 60838-1:2017/A2:2021)  
Miscellaneous lampholders – Part 1: General requirements and tests (IEC 60838-1:2016/am2:2020; EN 60838-1:2017/A2:2021)

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

HRN EN 60601-1-2:2015/A1:2021 en pr  
Medicinska električna oprema – Dio 1-2: Opći zahtjevi za osnovnu sigurnost i bitne radne značajke – Popratna norma: Elektromagnetske smetnje – Zahtjevi i ispitivanja (IEC 60601-1-2:2014/am1:2020; EN 60601-1-2:2015/A1:2021)  
Medical electrical equipment – Part 1-2: General requirements for basic safety and essential performance – Collateral Standard: Electromagnetic disturbances – Requirements and tests (IEC 60601-1-2:2014/am1:2020; EN 60601-1-2:2015/A1:2021)

HRN EN IEC 60601-2-83:2020/A11:2021 en pr  
Medicinska električna oprema – Dio 2-83: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke uređaja za svjetlosnu terapiju za kućnu uporabu (EN IEC 60601-2-83:2020/A11:2021)  
Medical electrical equipment – Part 2-83: Particular requirements for the basic safety and essential performance of home light therapy equipment (EN IEC 60601-2-83:2020/A11:2021)

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

HRN EN 50110-2:2021 en pr  
Pogon električnih postrojenja – 2. dio: Nacionalni dodaci (EN 50110-2:2021)  
Operation of electrical installations – Part 2: National annexes (EN 50110-2:2021)

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

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

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

HRN EN 62591:2016/Ispr.1:2021 en pr  
Industrijske komunikacijske mreže – Bežična komunikacijska mreža i komunikacijski profili – WirelessHART™ (IEC 62591:2016/Corr.1:2021; EN 62591:2016/AC:2021)  
Industrial communication networks – Wireless communication network and communication profiles – WirelessHART™ (IEC 62591:2016/Corr.1:2021; EN 62591:2016/AC:2021)

HRN EN 62601:2016/Ispr.1:2021 en pr  
Industrijske mreže – Bežična komunikacijska mreža i komunikacijski profili – WIA-PA (Wireless network for Industrial Automation – Process Automation) (IEC 62601:2015/Corr.1:2021; EN 62601:2016/AC:2021)  
Industrial networks – Wireless communication network and communication profiles – WIA-PA (IEC 62601:2015/Corr.1:2021; EN 62601:2016/AC:2021)

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

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

HRN EN IEC 62769-3:2021 en pr  
Integracija uređaja u postrojenju (FDI) – 3. dio: FDI poslužitelj (IEC 62769-3:2021; EN IEC 62769-3:2021)  
Field Device Integration (FDI) – Part 3: FDI Server (IEC 62769-3:2021; EN IEC 62769-3:2021)

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

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

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

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

HRN EN IEC 62769-150-1:2021 en pr  
Integracija uređaja u postrojenju (FDI) – Dio 150-1: Profili – ISA100 BEŽIČNI (IEC 62769-150-1:2021; EN IEC 62769-150-1:2021)  
Field device integration (FDI) – Part 150-1: Profiles – ISA100 WIRELESS (IEC 62769-150-1:2021; EN IEC 62769-150-1:2021)

HRN EN 62948:2018/Ispr.1:2021 en pr  
Industrijske mreže – Bežične komunikacijske mreže i komunikacijski profili – WIA-FA (IEC 62948:2017/Corr.1:2021; EN 62948:2017/AC:2021)  
Industrial networks – Wireless communication network and communication profiles – WIA-FA (IEC 62948:2017/Corr.1:2021; EN 62948:2017/AC:2021)

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

HRN EN 60730-2-5:2015/A2:2021 en pr  
Električne naprave za automatsko upravljanje – Dio 2-5: Posebni zahtjevi za električne automatske upravljačke sustave plamenika (IEC 60730-2-5:2013/am2:2021; EN 60730-2-5:2015/A2:2021)  
Automatic electrical controls – Part 2-5: Particular requirements for automatic electrical burner control systems (IEC 60730-2-5:2013/am2:2021; EN 60730-2-5:2015/A2:2021)

## HZN/TO E79, Alarmni sustavi

HRN EN 50131-13:2020/Ispr.1:2021 en pr  
Alarmni sustavi – Protuprovalni i protuprepadni sustavi – 13. dio: Pirotehnički zaštitni uređaji za smanjenje vidljivosti (EN 50131-13:2020/AC:2021)  
Alarm systems – Intrusion and hold-up systems – Part 13: Pyrotechnic Obscuration Security Devices (EN 50131-13:2020/AC:2021)

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

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

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

HRN EN IEC 60958-5:2021 en pr  
Digitalno audiosučelje – 5. dio: Poboljšanje uređaja za široku potrošnju (TA 20) (IEC 60958-5:2021; EN IEC 60958-5:2021)  
Digital audio interface – Part 5: Consumer application enhancement (TA 20) (IEC 60958-5:2021; EN IEC 60958-5:2021)

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

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

HRN EN 55011:2016/A2:2021 en pr  
Industrijska, znanstvena i medicinska oprema – Značajke radiosmetnja – Granice i metoda mjerenja (CISPR 11:2015/A2:2019; EN 55011:2016/A2:2021)  
Industrial, scientific and medical equipment – Radio-frequency disturbance characteristics – Limits and methods of measurement (CISPR 11:2015/A2:2019; EN 55011:2016/A2:2021)

HRN EN IEC 55014-1:2021 en pr  
Elektromagnetska kompatibilnost – Zahtjevi za kućanske uređaje, električne alate i slične uređaje – 1. dio: Emisija (CISPR 14-1:2020; EN IEC 55014-1:2021)  
Electromagnetic compatibility – Requirements for household appliances, electric tools and similar apparatus – Part 1: Emission (CISPR 14-1:2020; EN IEC 55014-1:2021)

HRN EN IEC 55014-2:2021 en pr  
Elektromagnetska kompatibilnost – Zahtjevi za kućanske uređaje, električne alate i slične uređaje – 2. dio: Otpornost – Norma porodice proizvoda (CISPR 14-2:2020; EN IEC 55014-2:2021)  
Electromagnetic compatibility – Requirements for household appliances, electric tools and similar apparatus – Part 2: Immunity – Product family standard (CISPR 14-2:2020; EN IEC 55014-2:2021)

HRN EN IEC 61000-3-2:2019/A1:2021 en pr  
Elektromagnetska kompatibilnost (EMC) – Dio 3-2: Granice – Granice za harmoničke strujne emisije (za ulazne struje uređaja ≤ 16 A po fazi) (IEC 61000-3-2:2018/am1:2020; EN IEC 61000-3-2:2019/A1:2021)  
Electromagnetic compatibility (EMC) – Part 3-2: Limits – Limits for harmonic current emissions (equipment input current ≤16 A per phase) (IEC 61000-3-2:2018/am1:2020; EN IEC 61000-3-2:2019/A1:2021)

HRN EN IEC 61000-6-3:2021 en pr  
Elektromagnetska kompatibilnost (EMC) – Dio 6-3: Norme srodnih područja – Norma emisije za opremu u stambenoj okolini (IEC 61000-6-3:2020; EN IEC 61000-6-3:2021)  
Electromagnetic compatibility (EMC) – Part 6-3: Generic standards – Emission standard for equipment in residential environments (IEC 61000-6-3:2020; EN IEC 61000-6-3:2021)

## HZN/TO T4, Normizacija u telekomunikacijama

HRN EN 301 489-4 V3.3.1:2021 en pr  
Norma za elektromagnetsku kompatibilnost (EMC) za radijsku opremu i službe – 4. dio: Posebni uvjeti za nepokretne radijske veze i pomoćnu opremu – Harmonizirana norma za elektromagnetsku kompatibilnost (EN 301 489-4 V3.3.1:2021)  
ElectroMagnetic Compatibility (EMC) standard for radio equipment and services – Part 4: Specific conditions for fixed radio links and ancillary equipment – Harmonised Standard for ElectroMagnetic Compatibility (EN 301 489-4 V3.3.1:2021)

HRN EN 301 489-50 V2.3.1:2021 en pr  
Norma za elektromagnetsku kompatibilnost radijske (EMC) opreme i servisa – 50. dio: Posebni uvjeti za bazne postaje (BS) pokretnih komunikacija, repetitore i pomoćnu opremu – Harmonizirana norma za elektromagnetsku kompatibilnost (EN 301 489-50 V2.3.1:2021)  
ElectroMagnetic Compatibility (EMC) standard for radio equipment and services – Part 50: Specific conditions for Cellular Communication Base Station (BS), repeater and ancillary equipment – Harmonised Standard for ElectroMagnetic Compatibility (EN 301 489-50 V2.3.1:2021)

HRN EN 302 099 V2.2.1:2021 en pr  
Ekoinženjering (EE) – Napajanje uređaja u pristupnoj mreži (EN 302 099 V2.2.1:2021)  
Environmental Engineering (EE) – Powering of equipment in access network (EN 302 099 V2.2.1:2021)

HRN EN 303 204 V3.1.1:2021 en pr  
Nepokretni uređaji kratkoga dometa (SRD) u podatkovnim mrežama – Radijska oprema za uporabu u frekvencijskom području od 870 MHz do 876 MHz s razinama efektivne zračene snage do 500 mW – Harmonizirana norma za pristup radijskom spektru (EN 303 204 V3.1.1:2021)  
Fixed Short Range Devices (SRD) in data networks – Radio equipment to be used in the 870 MHz to 876 MHz frequency range with power levels ranging up to 500 mW e.r.p. – Harmonised Standard for access to the radio spectrum (EN 303 204 V3.1.1:2021)

HRN EN 303 364-2 V1.1.1:2021 en pr  
Primarni nadzorni radar (PSR) – Harmonizirana norma za pristup radijskom spektru – 2. dio: PSR senzori za kontrolu zračnoga prometa (ATC) koji rade u frekvencijskom pojasu od 2 700 MHz do 3 100 MHz (S pojas) (EN 303 364-2 V1.1.1:2021)  
Primary Surveillance Radar (PSR) – Harmonised Standard for access to radio spectrum – Part 2: Air Traffic Control (ATC) PSR sensors operating in the frequency band 2 700 MHz to 3 100 MHz (S band) (EN 303 364-2 V1.1.1:2021)

HRN EN 303 883-1 V1.2.1:2021 en pr  
Uređaji kratkoga dometa (SRD) i ultra širokog pojasa (UWB) – 1. dio: Mjerne tehnike za ispitivanje zahtjeva odašiljača (EN 303 883-1 V1.2.1:2021)  
Short Range Devices (SRD) and Ultra Wide Band (UWB) – Part 1: Measurement techniques for transmitter requirements (EN 303 883-1 V1.2.1:2021)

HRN EN 303 883-2 V1.2.1:2021 en pr  
Uređaji kratkoga dometa (SRD) i ultra širokog pojasa (UWB) – 2. dio: Mjerne tehnike za ispitivanje zahtjeva prijemnika (EN 303 883-2 V1.2.1:2021)  
Short Range Devices (SRD) and Ultra Wide Band (UWB) – Part 2: Measurement techniques for receiver requirements (EN 303 883-2 V1.2.1:2021)

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

HRN EN ISO 4918:2021 en pr  
Elastične, tekstilne i laminatne podne obloge – Ispitivanje otpornosti na kotačiće namještaja (ISO 4918:2016, uključujući Amd 1:2018; EN ISO 4918:2021)  
Resilient, textile and laminate floor coverings – Castor chair test (ISO 4918:2016, including Amd 1:2018; EN ISO 4918:2021)

HRI CEN/TR 17236:2021 en pr  
Elektroničke cigarete i e-tekućine – Sastavni dijelovi koji se mjere u aerosolu proizvoda za udisanje para iz e-tekućina (vaping) (CEN/TR 17236:2018)  
Electronic cigarettes and e-liquids – Constituents to be measured in the aerosol of vaping products (CEN/TR 17236:2018)



HRS CEN/TS 17287:2021 en pr  
Zahtjevi i metode ispitivanja za elektroničke cigarete i povezane uređaje (CEN/TS 17287:2019)  
Requirements and test methods for electronic cigarette devices (CEN/TS 17287:2019)

HRN EN 17371-1:2021 en pr  
Pružanje usluga – 1. dio: Nabava usluga – Upute za procjenu sposobnosti pružatelja usluga i vrednovanje ponuda usluga (EN 17371-1:2021)  
Provision of services – Part 1: Service procurement – Guidance for the assessment of the capacity of service providers and evaluation of service proposals (EN 17371-1:2021)

HRN EN ISO 22300:2021 en pr  
Sigurnost i elastičnost – Terminološki rječnik (ISO 22300:2021; EN ISO 22300:2021)  
Security and resilience – Vocabulary (ISO 22300:2021; EN ISO 22300:2021)

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

HRN EN ISO 3262-19:2021 en pr  
Punila – Specifikacije i metode ispitivanja – 19. dio: Istaložen silicijev dioksid (ISO 3262-19:2021; EN ISO 3262-19:2021)  
Extenders – Specifications and methods of test – Part 19: Precipitated silica (ISO 3262-19:2021; EN ISO 3262-19:2021)

HRN EN ISO 3262-20:2021 en pr  
Punila – Specifikacije i metode ispitivanja – 20. dio: Pirogeni silicijev dioksid (ISO 3262-20:2021; EN ISO 3262-20:2021)  
Extenders – Specifications and methods of test – Part 20: Fumed silica (ISO 3262-20:2021; EN ISO 3262-20:2021)

HRN EN 17334:2021 en pr  
Zalijepljeni štapovi u zalijepljenim strukturnim proizvodima od drva – Testiranje, zahtjevi i razvrstavanje u lijepljenih strukturnih proizvoda od drva (EN 17334:2021)  
Glued-in rods in glued structural timber products – Testing, requirements and bond shear strength classification (EN 17334:2021)

HRN EN 17418:2021 en pr  
Dvokomponentni epoksidni i poliuretanski adhezivi za popravak napuknutih drvenih konstrukcija na licu mjesta – Testiranje, zahtjevi i provjera čvrstoće popravka (EN 17418:2021)  
Two-component epoxy and polyurethane adhesives for on-site repair of cracked timber structures – Testing, requirements and repair strength verification (EN 17418:2021)

HRN EN ISO/ASTM 52903-1:2021 en pr  
Aditivna proizvodnja – Aditivna proizvodnja plastičnih materijala na bazi ekstruzije materijala – 1. dio: Sirovine (ISO/ASTM 52903-1:2020; EN ISO/ASTM 52903-1:2021)  
Additive manufacturing – Material extrusion-based additive manufacturing of plastic materials – Part 1: Feedstock materials (ISO/ASTM 52903-1:2020; EN ISO/ASTM 52903-1:2021)

## HZN/TU I2, Strojarstvo 2

HRN EN 303-5:2021 en pr  
Toplovodni kotlovi – 5. dio: Kotlovi na kruto gorivo, ručno i automatski loženi, nazivne toplinske snage do 500 kW – Nazivlje, zahtjevi, ispitivanje i označavanje (EN 303-5:2021)  
Heating boilers – Part 5: Heating boilers for solid fuels, manually and automatically stoked, nominal heat output of up to 500 kW – Terminology, requirements, testing and marking (EN 303-5:2021)

## HZN/TU M1, Metalni materijali 1

HRN EN ISO 11426:2021 en pr  
Nakit i plemeniti metali – Određivanje zlata – Metoda kupelacije (analiza vatrom) (ISO 11426:2021; EN ISO 11426:2021)  
Jewellery and precious metals – Determination of gold – Cupellation method (fire assay) (ISO 11426:2021; EN ISO 11426:2021)

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

HRN EN ISO 4823:2021 en pr  
Stomatologija – Elastomerni materijali za otiske i registraciju zagriža (ISO 4823:2021; EN ISO 4823:2021)  
Dentistry – Elastomeric impression and bite registration materials (ISO 4823:2021; EN ISO 4823:2021)

HRN EN ISO 16061:2021 en pr  
Instrumenti za upotrebu s neaktivnim kirurškim implantatima – Opći zahtjevi (ISO 16061:2021; EN ISO 16061:2021)  
Instruments for use in association with non-active surgical implants – General requirements (ISO 16061:2021; EN ISO 16061:2021)

HRN EN ISO 28399:2021 en pr  
Stomatologija – Proizvodi za vanjsko izbjeljivanje zuba (ISO 28399:2021; EN ISO 28399:2021)  
Dentistry – External tooth bleaching products (ISO 28399:2021; EN ISO 28399:2021)

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

HRN EN 1459-9:2021 en pr  
Vozila za teške terene – Sigurnosni zahtjevi i verifikacija – 9. dio: Vozila promjenjivog dohvata opremljena radnom platformom sa zaštitom na prednjoj strani koja se može otvoriti (EN 1459-9:2021)  
Rough-terrain trucks – Safety requirements and verification – Part 9: Variable-reach trucks equipped with work platforms having a front guard that can be opened (EN 1459-9:2021)

HRN EN 3572:2021 en pr  
Zrakoplovstvo – PTFE sklop savitljivog crijeva sa savijenom unutarnjom cijevi nazivnog tlaka do 6 800 kPa i priključka 8°30' od titanija (EN 3572:2021)  
Aerospace series – PTFE flexible hose assembly with convoluted inner tube of a nominal pressure up to 6 800 kPa and 8°30' fitting in titanium – Product standard (EN 3572:2021)

HRN EN 3639:2021 en pr  
Zrakoplovstvo – Legura otporna na toplinu X6NiCrTiMoV26-15 (1.4980) – Omekšana i hladno obrađena – Žice za kovane spojne elemente – D ≤ 15 mm – 900 MPa ≤ Rm ≤ 1 100 MPa (EN 3639:2021)  
Aerospace series – Heat resisting alloy X6NiCrTiMoV26-15 (1.4980) – Softened and cold worked – Wires for forged fasteners – D ≤ 15 mm – 900 MPa ≤ Rm ≤ 1 100 MPa (EN 3639:2021)

HRN EN 4035:2021 en pr  
Zrakoplovstvo – Krajevi šipke, prilagodljivi sa samoporavnavajućim dvorednim kugličnim ležajevima od čelika otpornog na koroziju, skraćena unutrašnja radijalna zračnost i struk s navojem od legure titana – Dimenzije i opterećenja (EN 4035:2021)  
Aerospace series – Rod end, adjustable, with self-aligning double row ball bearing, in corrosion resisting steel, reduced internal radial clearance and threaded shank in titanium alloy – Dimensions and loads (EN 4035:2021)

HRN EN 4036:2021 en pr  
Zrakoplovstvo – Krajevi šipke, prilagodljivi sa samoprilagodljivim dvorednim kugličnim ležajevima i navojem na stablu od čelika otpornog na koroziju, skraćena unutrašnja radijalna zračnost – Dimenzije i opterećenja (EN 4036:2021)  
Aerospace series – Rod end, adjustable, with self-aligning double row ball bearing and threaded shank, in corrosion resisting steel, reduced internal radial clearance – Dimensions and loads (EN 4036:2021)

HRN EN 6025:2021 en pr  
Zrakoplovstvo – Ploče – Legura aluminija 2024 – Uska tolerancija ravnosti – Debljina – 6 mm ≤ a ≤ 55 mm – Dimenzije (EN 6025:2021)  
Aerospace series – Plates – Aluminium alloy 2024 – Close tolerance flatness – Thickness – 6 mm ≤ a ≤ 55 mm – Dimensions (EN 6025:2021)

## HZN/TU V1, Elektronika 1

- HRN EN IEC 60793-1-34:2021 en pr  
Optical fibres – Part 1-34: Measurement methods and test procedures – Fibre curl (IEC 60793-1-34:2021; EN IEC 60793-1-34:2021)
- HRN EN IEC 60793-2-40:2021 en pr  
Optical fibres – Part 2-40: Product specifications – Sectional specification for category A4 multimode fibres (IEC 60793-2-40:2021; EN IEC 60793-2-40:2021)
- HRN EN IEC 60794-1-211:2021 en pr  
Optical fibre cables – Part 1-211: Generic specification – Basic optical cable test procedures – Environmental test methods – Sheath shrinkage, Method F11 (IEC 60794-1-211:2021; EN IEC 60794-1-211:2021)
- HRN EN IEC 61010-2-030:2021 en pr  
Sigurnosni zahtjevi za mjernu, upravljačku i laboratorijsku električnu opremu – Dio 2-030: Posebni zahtjevi za ispitne i mjerne krugove (IEC 61010-2-030:2017; EN IEC 61010-2-030:2021)  
Safety requirements for electrical equipment for measurement, control, and laboratory use – Part 2-030: Particular requirements for equipment having testing or measuring circuits (IEC 61010-2-030:2017; EN IEC 61010-2-030:2021)
- HRN EN IEC 61010-2-030:2021/A11:2021 en pr  
Sigurnosni zahtjevi za mjernu, upravljačku i laboratorijsku električnu opremu – Dio 2-030: Posebni zahtjevi za ispitne i mjerne krugove (EN IEC 61010-2-030:2021/A11:2021)  
Safety requirements for electrical equipment for measurement, control, and laboratory use – Part 2-030: Particular requirements for equipment having testing or measuring circuits (EN IEC 61010-2-030:2021/A11:2021)
- HRN EN IEC 61010-2-034:2021 en pr  
Sigurnosni zahtjevi za mjernu, upravljačku i laboratorijsku električnu opremu – Dio 2-034: Posebni zahtjevi za opremu za mjerenje otpora izolacije i opremu za ispitivanje električne čvrstoće (IEC 61010-2-034:2017; EN IEC 61010-2-034:2021)  
Safety requirements for electrical equipment for measurement, control, and laboratory use – Part 2-034: Particular requirements for measurement equipment for insulation resistance and test equipment for electric strength (IEC 61010-2-034:2017; EN IEC 61010-2-034:2021)
- HRN EN IEC 61010-2-034:2021/A11:2021 en pr  
Sigurnosni zahtjevi za mjernu, upravljačku i laboratorijsku električnu opremu – Dio 2-034: Posebni zahtjevi za opremu za mjerenje otpora izolacije i opremu za ispitivanje električne čvrstoće (EN IEC 61010-2-034:2021/A11:2021)  
Safety requirements for electrical equipment for measurement, control, and laboratory use – Part 2-034: Particular requirements for measurement equipment for insulation resistance and test equipment for electric strength (EN IEC 61010-2-034:2021/A11:2021)
- HRN EN IEC 61169-66:2021 en pr  
Radio-frequency connectors – Part 66: Sectional specification for RF coaxial connectors with 5 mm inner diameter of outer conductor, with quick-lock-or screw-coupling, characteristic impedance 50 Ω (series 2,2-5) (IEC 61169-66:2021; EN IEC 61169-66:2021)
- HRN EN IEC 61188-6-1:2021 en pr  
Circuit boards and circuit board assemblies – Design and use – Part 6-1: Land pattern design – Generic requirements for land pattern on circuit boards (IEC 61188-6-1:2021; EN IEC 61188-6-1:2021)
- HRN EN IEC 61188-6-2:2021 en pr  
Circuit boards and circuit board assemblies – Design and use – Part 6-2: Land pattern design – Description of land pattern for the most common surface mounted components (SMD) (IEC 61188-6-2:2021; EN IEC 61188-6-2:2021)
- HRN EN IEC 61189-5-502:2021 en pr  
Test methods for electrical materials, printed boards and other interconnection structures and assemblies – Part 5-502: General test methods for materials and assemblies – Surface insulation resistance (SIR) testing of assemblies (IEC 61189-5-502:2021; EN IEC 61189-5-502:2021)

- HRN EN IEC 61189-5-601:2021 en pr  
Test methods for electrical materials, printed boards and other interconnection structures and assemblies – Part 5-601: General test methods for materials and assemblies – Reflow soldering ability test for solder joint, and reflow heat resistance test for printed boards (IEC 61189-5-601:2021; EN IEC 61189-5-601:2021)
- HRN EN IEC 61215-1-1:2021 en pr  
Terrestrial photovoltaic (PV) modules – Design qualification and type approval – Part 1-1: Special requirements for testing of crystalline silicon photovoltaic (PV) modules (IEC 61215-1-1:2021; EN IEC 61215-1-1:2021)
- HRN EN IEC 61215-1:2021 en pr  
Terrestrial photovoltaic (PV) modules – Design qualification and type approval – Part 1: Test requirements (IEC 61215-1:2021; EN IEC 61215-1:2021)
- HRN EN IEC 61215-1-2:2021 en pr  
Terrestrial photovoltaic (PV) modules – Design qualification and type approval – Part 1-2: Special requirements for testing of thin-film Cadmium Telluride (CdTe) based photovoltaic (PV) modules (IEC 61215-1-2:2021; EN IEC 61215-1-2:2021)
- HRN EN IEC 61215-1-3:2021 en pr  
Terrestrial photovoltaic (PV) modules – Design qualification and type approval – Part 1-3: Special requirements for testing of thin-film amorphous silicon based photovoltaic (PV) modules (IEC 61215-1-3:2021; EN IEC 61215-1-3:2021)
- HRN EN IEC 61215-1-4:2021 en pr  
Terrestrial photovoltaic (PV) modules – Design qualification and type approval – Part 1-4: Special requirements for testing of thin-film Cu(In,Ga)(S,Se)<sub>2</sub> based photovoltaic (PV) modules (IEC 61215-1-4:2021; EN IEC 61215-1-4:2021)
- HRN EN IEC 61215-2:2021 en pr  
Terrestrial photovoltaic (PV) modules – Design qualification and type approval – Part 2: Test procedures (IEC 61215-2:2021; EN IEC 61215-2:2021)
- HRN EN IEC 61300-2-14:2021 en pr  
Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 2-14: Tests – High optical power (IEC 61300-2-14:2021; EN IEC 61300-2-14:2021)
- HRN EN IEC 61760-3:2021 en pr  
Surface mounting technology – Part 3: Standard method for the specification of components for through hole reflow (THR) soldering (IEC 61760-3:2021; EN IEC 61760-3:2021)
- HRN EN IEC 62787:2021 en pr  
Concentrator photovoltaic (CPV) solar cells and cell on carrier (CoC) assemblies – Qualification (IEC 62787:2021; EN IEC 62787:2021)

## HZN/TU W1, Energetska elektrotehnika 1

- HRN EN IEC 62281:2019/A1:2021 en pr  
Sigurnost primarnih i sekundarnih litijevih članaka i baterija tijekom transporta (IEC 62281:2019/am1:2021; EN IEC 62281:2019/A1:2021)  
Safety of primary and secondary lithium cells and batteries during transport (IEC 62281:2019/am1:2021; EN IEC 62281:2019/A1:2021)
- HRN EN IEC 63136:2019/Ispr.1:2021 en pr  
Električne perilice posuđa za ugostiteljsku primjenu – Metode ispitivanja za mjerenje značajki (IEC 63136:2019/Corr.1:2021; EN IEC 63136:2019/AC:2021)  
Electric dishwashers for commercial use – Test methods for measuring the performance (IEC 63136:2019/Corr.1:2021; EN IEC 63136:2019/AC:2021)

### 1.3 Prijedlozi za prihvaćanje stranih norma u izvorniku

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

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

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

EN 12259-14:2020/prA1 en  
Fixed firefighting systems – Components for sprinkler and water spray systems – Part 14: Sprinklers for residential applications  
Stabilni protupožarni sustavi – Dijelovi sustava za prskanje (sprinkler sustava) i sustava raspršene vode – 14. dio: Sprinkleri za stambene prostore

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

prEN ISO 16119-5 en  
Agricultural and forestry machinery – Environmental requirements for sprayers – Part 5: Aerial spray systems (ISO/DIS 16119-5:2021)

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

prEN 15491 en  
Ethanol as a blending component for petrol – Determination of total acidity – Colour indicator titration method  
Etanol kao komponenta koja se namještava u benzin – Određivanje ukupne kiselosti – Metoda kolorimetrijske titracije

#### HZN/TO 43, *Akustika*

ISO 8297:1994/Amd 1:2021 en  
Acoustics – Determination of sound power levels of multisource industrial plants for evaluation of sound pressure levels in the environment – Engineering method  
Akustika – Određivanje razina zvučne snage industrijskih postrojenja s više izvora radi utvrđivanja razina zvučnog tlaka u okolišu – Inženjerska metoda

prEN ISO 21388 en  
Acoustics – Hearing aid fitting management (HAFM) (ISO 21388:2020)

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

prEN ISO 10675-2 en  
Non-destructive testing of welds – Acceptance levels for radiographic testing – Part 2: Aluminium and its alloys (ISO/DIS 10675-2:2021)  
Nerazorno ispitivanje zavora – Razine prihvatljivosti za radiografsko ispitivanje – 2. dio: Aluminij i njegove legure (ISO/DIS 10675-2:2021)

EN ISO 13918:2018/prA1 en  
Welding – Studs and ceramic ferrules for arc stud welding (ISO 13918:2017/Amd 1)  
Zavarivanje – Svornjaci i keramički prstenovi za elektroručno zavarivanje svornjaka (ISO 13918:2017/Amd 1)

prEN 14717 en  
Welding and allied processes – Environmental check list  
Zavarivanje i srodni postupci – Kontrolni popis utjecaja na okoliš

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

prEN 14511-1 en  
Air conditioners, liquid chilling packages and heat pumps for space heating and cooling and process chillers, with electrically driven compressors – Part 1: Terms and definitions  
Klimatizacijski uređaji, rashladnici kapljevine i dizalice topline za grijanje i hlađenje prostora te procesni rashladnici s kompresorima na električni pogon – 1. dio: Nazivi i definicije

prEN 14511-2 en  
Air conditioners, liquid chilling packages and heat pumps for space heating and cooling and process chillers, with electrically driven compressors – Part 2: Test conditions  
Klimatizacijski uređaji, rashladnici kapljevine i dizalice topline za grijanje i hlađenje prostora te procesni rashladnici s kompresorima na električni pogon – 2. dio: Uvjeti ispitivanja

prEN 14511-3 en  
Air conditioners, liquid chilling packages and heat pumps for space heating and cooling and process chillers, with electrically driven compressors – Part 3: Test methods  
Klimatizacijski uređaji, rashladnici kapljevine i dizalice topline za grijanje i hlađenje prostora te procesni rashladnici s kompresorima na električni pogon – 3. dio: Metode ispitivanja

prEN 14511-4 en  
Air conditioners, liquid chilling packages and heat pumps for space heating and cooling and process chillers, with electrically driven compressors – Part 4: Requirements  
Klimatizacijski uređaji, rashladnici kapljevine i dizalice topline za grijanje i hlađenje prostora te procesni rashladnici s kompresorima na električni pogon – 4. dio: Zahtjevi

prEN ISO 24664 en  
Refrigerating systems and heat pumps – Pressure relief devices and their associated piping – Methods for calculation (ISO/DIS 24664:2021)  
Rashladni sustavi i dizalice topline – Uređaji za rasterećenje od tlaka i pripadajući cjevovodi – Metode proračuna (ISO/DIS 24664:2021)

#### HZN/TO 92, *Zaštita od požara*

prEN 15882-2 en  
Extended application of results from fire resistance tests for service installations – Part 2: Fire dampers  
Proširena primjena rezultata ispitivanja otpornosti na požar servisnih instalacija – 2. dio: Protupožarne zaklopke

#### HZN/TO 120, *Koža i obuća*

prEN 17651 en  
Leather – Labelling of leather goods products

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

prEN ISO 5361 en  
Anaesthetic and respiratory equipment – Tracheal tubes and connectors (ISO/DIS 5361:2021)  
Anestetička i respiracijska oprema – Trahealne cijevi i priključci (ISO/DIS 5361:2021)

prEN ISO 5367 en  
Anaesthetic and respiratory equipment – Breathing sets and connectors (ISO/DIS 5367:2021)  
Anestetička i respiracijska oprema – Sklopovi za disanje i priključci (ISO/DIS 5367:2021)

prEN ISO 10651-5 en  
Lung ventilators for medical use – Particular requirements for basic safety and essential performance – Part 5: Gas-powered emergency resuscitators (ISO 10651-5:2006)

prEN ISO 27427 en  
Anaesthetic and respiratory equipment – Nebulizing systems and components (ISO/DIS 27427:2021)  
Anestetička i respiracijska oprema – Sustavi i komponente za stvaranje aerosola (ISO/DIS 27427:2021)

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

prEN ISO 16486-4 en  
Plastics piping systems for the supply of gaseous fuels – Unplasticized polyamide (PA-U) piping systems with fusion jointing and mechanical jointing – Part 4: Valves (ISO/DIS 16486-4:2021)

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

prEN 17656 en  
Stationary source emissions – Requirements on proficiency testing schemes for emission measurements  
Emisije iz nepokretnih izvora – Zahtjevi za sheme ispitivanja sposobnosti za mjerenje emisija

prEN ISO 23320 en  
Workplace air – Gases and vapours – Requirements for evaluation of measuring procedures using diffusive samplers (ISO/DIS 23320:2021)  
Zrak u radnom prostoru – Plinovi i pare – Zahtjevi za vrednovanje mjernih postupaka u kojima se upotrebljavaju difuzni uzorkivači (ISO/DIS 23320:2021)

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

prEN ISO 10872 en  
Water and soil quality – Determination of the toxic effect of sediment and soil samples on growth, fertility and reproduction of *Caenorhabditis elegans* (Nematoda) (ISO 10872:2020)

prEN ISO 21676 en  
Water quality – Determination of the dissolved fraction of selected active pharmaceutical ingredients, transformation products and other organic substances in water and treated waste water – Method using high performance liquid chromatography and mass spectrometric detection (HPLC-MS/MS or -HRMS) after direct injection (ISO 21676:2018)

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

prEN ISO 10942 en  
Ophthalmic instruments – Direct ophthalmoscopes (ISO/DIS 10942:2021)  
Oftalmološki instrumenti – Oftalmoskopi (direktni) (ISO/DIS 10942:2021)

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

EN 1888-1:2018/prA1 en  
Child care articles – Wheeled child conveyances – Part 1: Pushchairs and prams  
Proizvodi za dojenčad i malu djecu – Dječja kolica – 1. dio: Sklopiva kolica i kolica za novorođenčad

#### **HZN/TO 502, Plinski uređaji**

prEN 509 en  
Decorative fuel-effect gas appliances  
Plinski uređaji s ukrasnim utiskom (dekorativnim efektom) gorenja

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

prEN 10169 en  
Continuously organic coated (coil coated) steel flat products – Technical delivery conditions  
Kontinuirano organski prevučeni (prevučeni koluti) plosnati čelični proizvodi – Tehnički uvjeti isporuke

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

prEN ISO 4531 en  
Vitreous and porcelain enamels - Release from enamelled articles in contact with food – Methods of test and limits (ISO/DIS 4531:2021)  
Staklasti i porculanski emajli – Otpuštanje iz emajliranih predmeta u dodiru s hranom – Metode ispitivanja i granične vrijednosti (ISO/DIS 4531:2021)

prEN ISO 9220 en  
Metallic coatings – Measurement of coating thickness – Scanning electron microscope method (ISO/DIS 9220:2021)  
Metalne prevlake – Mjerenje debljine prevlake – Metoda skenirajuće elektronske mikroskopije (ISO/DIS 9220:2021)

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

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

#### **HZN/TO 508, Ambalaža i pakiranje**

prEN ISO 8611-1 en  
Pallets for materials handling – Flat pallets – Part 1: Test methods (ISO/DIS 8611-1:2021)  
Paleta za rukovanje materijalima – Plošne palete – 1. dio: Ispitne metode (ISO/DIS 8611-1:2021)

prEN ISO 8611-2 en  
Pallets for materials handling – Flat pallets – Part 2: Performance requirements and selection of tests (ISO/DIS 8611-2:2021)  
Paleta za rukovanje materijalima – Plošne palete – 2. dio: Izvedbeni zahtjevi i izbor načina ispitivanja (ISO/DIS 8611-2:2021)

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

EN 12080:2017/prA1 en  
Railway applications – Axleboxes – Rolling bearings  
Željeznički sustav – Kućišta osovinskih ležaja – Kotrljajući ležaji

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

prEN ISO 11357-7 en  
Plastics – Differential scanning calorimetry (DSC) – Part 7: Determination of crystallization kinetics (ISO/DIS 11357-7:2021)  
Plastika – Diferencijalna pretražna kalorimetrija – 7. dio: Određivanje kinetike kristalizacije (ISO/DIS 11357-7:2021)

prEN 13483 en  
Rubber and plastic hoses and hose assemblies with internal vapour recovery for measured fuel dispensing systems – Specification  
Gumena i plastična crijeva i crijevni uređaji s unutrašnjom regeneracijom pare za sustave razdiobe mjerena goriva – Specifikacija

prEN ISO 15013 en  
Plastics – Extruded sheets of polypropylene (PP) – Requirements and test methods (ISO/DIS 15013:2021)  
Plastika – Ekstrudirane polipropilenske (PP) ploče – Zahtjevi i ispitne metode (ISO/DIS 15013:2021)

prEN ISO 15527 en  
Plastics – Compression-moulded sheets of polyethylene (PE-UHMW, PE-HD) – Requirements and test methods (ISO/DIS 15527:2021)  
Plastika – Tlačno oblikovane ploče od polietilena (PE-UHMW, PE-HD) – Zahtjevi i metode ispitivanja (ISO/DIS 15527:2021)

prEN ISO 18064 en  
Thermoplastic elastomers – Nomenclature and abbreviated terms (ISO/DIS 18064:2021)  
Plastomerni elastomeri – Nomenklatura i skraćeni nazivi (ISO/DIS 18064:2021)

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

prEN ISO 21011 en  
Cryogenic vessels – Valves for cryogenic service (ISO/DIS 21011:2021)  
Kriogenične posude – Ventilni za kriogenične uvjete (ISO/DIS 21011:2021)

#### **HZN/TO 535, Agregati**

prEN 933-11 en  
Tests for geometrical properties of aggregates – Part 11: Classification test for the constituents of coarse recycled aggregate  
Ispitivanja geometrijskih svojstava agregata – 11. dio: Određivanje sastojaka krupnoga recikliranog agregata

prEN 1097-1 en  
Tests for mechanical and physical properties of aggregates – Part 1: Determination of the resistance to wear (micro-Deval)  
Ispitivanja mehaničkih i fizikalnih svojstava agregata – 1. dio: Određivanje otpornosti na habanje (micro-Deval)

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

prEN ISO 10360-11 en  
Geometrical product specifications (GPS) – Acceptance and reverification tests for coordinate measuring systems (CMS) – Part 11: CMSs using the principle of X-ray computed tomography (CT) (ISO/DIS 10360-11:2021)  
Geometrijske specifikacije proizvoda (GSP) – Testovi za prihvatljivost i naknadnu provjeru trokoordinatnih mjernih uređaja (TMU) – 11. dio: TMU-ovi koji rade na principu računalne tomografije rendgenskim zrakama (CT) (ISO/DIS 10360-11:2021)

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

prEN 17658 en

Chemical disinfectants and antiseptics – Chemical textile disinfection for the domestic area – Test method and requirements (phase 2, step 2)  
Kemijski dezinficijensi i antiseptici – Kemijska dezinfekcija tekstila u području domaćinstva – Metoda ispitivanja i zahtjevi (faza 2, korak 2)

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

EN 12831-3:2017/prA1 en

Energy performance of buildings – Method for calculation of the design heat load – Part 3: Domestic hot water systems heat load and characterisation of needs, Module M8-2, M8-3  
Energijiska svojstva zgrada – Metoda proračuna projektnog toplinskog opterećenja – 3. dio: Toplinsko opterećenje za pripremu potrošne tople vode i utvrđivanje potreba, Moduli M82, M8-3

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

prEN 17652 en

Cultural heritage – Investigation and monitoring of archaeological deposits for preservation in situ

prEN 17655 en

Conservation of cultural heritage – Determination of water absorption by contact sponge method

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

FprCEN/TS 19100-1 en

Design of glass structures – Part 1: Basis of design and materials  
Projektiranje staklenih konstrukcija – 1. dio: Osnove projektiranja i materijali

FprCEN/TS 19100-2 en

Design of glass structures – Part 2: Design of out-of-plane loaded glass components  
Projektiranje staklenih konstrukcija – 2. dio: Projektiranje elemenata opterećenih okomito na vlastitu ravninu

FprCEN/TS 19100-3 en

Design of glass structures – Part 3: Design of in-plane loaded glass components and their mechanical joints  
Projektiranje staklenih konstrukcija – 3. dio: Projektiranje elemenata opterećenih u vlastitoj ravnini i njihovih mehaničkih spojeva

FprCEN/TS 19103 en

Eurocode 5: Design of Timber Structures – Structural design of timber-concrete composite structures – Common rules and rules for buildings  
Eurokod 5: Projektiranje drvenih konstrukcija – Projektiranje spregnutih konstrukcija drvo-beton – Opća pravila i pravila za zgrade

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

EN 1111:2017/prA1 en

Sanitary tapware – Thermostatic mixing valves (PN 10) – General technical specification  
Sanitarne armature – Termostatske miješalice (PN 10) – Opća tehnička specifikacija

EN 1287:2017/prA1 en

Sanitary tapware – Low pressure thermostatic mixing valves – General technical specification  
Sanitarne armature – Niskotlačne termostatske miješalice – Opća tehnička specifikacija

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

prEN ISO 10591 en

Building and civil engineering sealants – Determination of adhesion/cohesion properties of sealants after immersion in water (ISO/DIS 10591:2021)

prEN ISO 11432 en

Building and civil engineering sealants – Determination of resistance to compression (ISO/DIS 11432:2021)

prEN 17632 en

Building Information Modelling (BIM) – Semantic Modelling and Linking (SML) (prEN 17632)  
Modeliranje informacija o građevinama (BIM) – Semantičko modeliranje i povezivanje (SML)

## **HZN/TO 552, Društvena odgovornost**

ISO 37301:2021 en

Compliance management systems – Requirements with guidance for use

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

EN ISO 25424:2019/prA1 en

Sterilization of health care products – Low temperature steam and formaldehyde – Requirements for development, validation and routine control of a sterilization process for medical devices (ISO 25424:2018/DAMd 1:2021)  
Sterilizacija proizvoda za zdravstvenu skrb – Niskotemperaturna para i formaldehid – Zahtjevi za razvoj, vrednovanje i rutinsku kontrolu sterilizacijskih postupaka za medicinske proizvode (ISO 25424:2018/DAMd 1:2021)

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

ISO 105-F10:1989/Amd 1:2009 en

Textiles – Tests for colour fastness – Part F10: Specification for adjacent fabric: Multifibre  
Tekstil – Ispitivanje postojanosti obojenja – Dio F10: Specifikacija za popratne tkanine: Multifilementna vlakna

ISO 2647:2020 en

Wool – Determination of percentage of medullated fibres by the projection microscope  
Vuna – Određivanje postotka meduliranih vlakana projekcijskim mikroskopom

ISO 2648:2020 en

Wool – Determination of fibre length distribution parameters – Capacitance method  
Vuna – Određivanje polidisperznosti duljine vlakana – Kapacitivna metoda

ISO 7211-5:2020 en

Textiles – Methods for analysis of woven fabrics construction – Part 5: Determination of linear density of yarn removed from fabric  
Tekstil – Metode analize konstrukcija tkanine – 5. dio: Određivanje duljinske mase pređe iz tkanine

ISO 7211-6:2020 en

Textiles – Methods for analysis of woven fabrics construction – Part 6: Determination of the mass of warp and weft per unit area of fabric  
Tekstil – Metode analize konstrukcija tkanine – 6. dio: Određivanje mase osnove i potke po jedinici površine tkanine

ISO 16549:2021 en

Textiles – Unevenness of textile strands – Capacitance method  
Tekstil – Nejednolikost tekstilnih niti – Kapacitivna metoda

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

prEN 12252 en

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

prEN 14071 en

LPG equipment and accessories – Pressure relief valves for LPG pressure vessels – Ancillary equipment  
Oprema i pribor za UNP – Sigurnosni ventili za posude pod tlakom za UNP – Pomoćna oprema

prEN 14129 en

LPG Equipment and accessories – Pressure relief valves for LPG pressure vessels  
Oprema i pribor za UNP – Sigurnosni ventili za posude pod tlakom za UNP

prEN 14912 en  
LPG equipment and accessories – Inspection and maintenance of LPG cylinder valves at time of periodic inspection of cylinders  
Oprema i pribor za UNP – Pregled i održavanje ventila boca za UNP tijekom periodičnog pregleda boca

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

EN 12012-4:2019/prA1 en  
Plastics and rubber machines – Size reduction machines – Part 4: Safety requirements for agglomerators  
Strojevi za gumu i plastiku – Strojevi za usitnjavanje – 4. dio: Sigurnosni zahtjevi za drobilice

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

prEN 15180 en  
Food processing machinery – Food depositors – Safety and hygiene requirements  
Strojevi za preradu hrane – Uređaji za doziranje hrane – Sigurnosni i higijenski zahtjevi

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

prEN ISO 24223 en  
Cheese – Guidance on sample preparation for physical and chemical testing (ISO/DIS 24223:2021)  
Sir – Upute o pripremi uzorka za fizikalna i kemijska ispitivanja (ISO/DIS 24223:2021)

### **HZN/TO 567, Meso, proizvodi ribarstva i akvakultura**

ISO 22948:2020 en  
Carbon footprint for seafood – Product category rules (CFP-PCR) for finfish  
Ugljični otisak za proizvode ribarstva – Pravila kategorizacije proizvoda ribarstva (CFP-PCR)

ISO/DIS 23854 en  
Fermented meat products – Specification  
Fermentirani mesni proizvodi – Specifikacija

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

FprCEN ISO/TS 29843-2 en  
Soil quality – Determination of soil microbial diversity – Part 2: Method by phospholipid fatty acid analysis (PLFA) using the simple PLFA extraction method (ISO/DTS 29843-2:2021)  
Kvaliteta tla – Određivanje mikrobne raznolikosti tla – 2. dio: Analiza masnih kiselina u fosfolipidima (PLFA) primjenom jednostavne metode ekstrakcije PLFA (ISO/DTS 29843-2:2021)

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

prEN IEC 60034-1:2021 en  
Rotating electrical machines – Part 1: Rating and performance (IEC 60034-1:202X)  
Rotacijski električni strojevi – 1. dio: Nazivne vrijednosti i radna svojstva (IEC 60034-1:202X)

prEN IEC 60034-33:2021 en  
Rotating electrical machines – Part 33: Specific technical requirements for synchronous hydrogenerators including motor-generators (IEC 60034-33:202X)

### **HZN/TO E14, Energetski transformatori**

prEN 50708-3-4 en  
Power transformers – Additional European requirements – Part 3-4: Large power transformer – Special tests for corrugated tank and radiators

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

prEN IEC 62271-4:2021 en  
High-voltage switchgear and controlgear – Part 4: Handling procedures for gases and gas mixtures for interruption and insulation (IEC 62271-4:202X)

prEN IEC 62271-202:2021 en  
High-voltage switchgear and controlgear – Part 202: High-voltage/ low-voltage prefabricated substation (IEC 62271-202:202X)  
Visokonaponska sklopna aparatura – 202. dio: Visokonaponske/niskonaponske tvornički dogotovljene transformatorske stanice (IEC 62271-202:202X)

prEN IEC 62271-204:2021 en  
High-voltage switchgear and controlgear – Part 204: Rigid gas-insulated transmission lines for rated voltage above 52 kV (IEC 62271-204:202X)  
Visokonaponska sklopna aparatura – 204. dio: Visokonaponski plinom izolirani prijenosni vodovi za napone iznad 52 kV (IEC 62271-204:202X)

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

prEN 50176 en  
Automatic electrostatic application systems for ignitable coating materials – Safety requirements

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

EN 60061-1:1993/prAB en  
Lamp caps and holders together with gauges for the control of interchangeability and safety – Part 1: Lamps caps  
Podnošci i grla za žarulje, granična mjerila za kontrolu zamjenjivosti i sigurnosti – 1. dio: Podnošci za žarulje

prEN IEC 60598-2-20:2021 en  
Luminaires – Part 2-20: Particular requirements – Lighting chains (IEC 60598-2-20:202X)  
Svjetiljke – Dio 2-20: Posebni zahtjevi – Svjetleći lanci (IEC 60598-2-20:202X)

prEN IEC 60598-2-20:2021/prAA en  
Luminaires – Part 2-20: Particular requirements – Lighting chains  
Svjetiljke – Dio 2-20: Posebni zahtjevi – Svjetleći lanci

EN IEC 63013:2019/prA1:2021 en  
LED packages – Long-term luminous and radiant flux maintenance projection (IEC 63013:2017/am1:202X)  
Svjetleće diode – Dugoročna projekcija održavanja svjetlosnog i zračećeg toka (IEC 63013:2017/am1:202X)

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

prEN IEC 61226:2021 en  
Nuclear power plants – Instrumentation, control and electrical power systems important to safety – Categorization of functions and classification of systems (IEC 61226:2020)

prEN IEC/IEEE 62582-6:2021 en  
Nuclear power plants – Instrumentation and control important to safety – Electrical equipment condition monitoring methods – Part 6: Insulation resistance (IEC/IEEE 62582-6:2019)

prEN IEC 62855:2021 en  
Nuclear power plants – Electrical power systems – Electrical power systems analysis (IEC 62855:2016)

prEN IEC 62954:2021 en  
Nuclear power plants – Control rooms – Requirements for emergency response facilities (IEC 62954:2019)

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

prEN IEC 61968-100:2021 en  
Application integration at electric utilities – System interfaces for distribution management – Part 100: Implementation profiles (IEC 61968-100:202X)  
Integracija aplikacija u elektroprivredi – Sučelja za sustave upravljanja u distribuciji – 100. dio: Profili za implementaciju (IEC 61968-100:202X)

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

prEN IEC 62453-2:2021 en  
Field device tool (FDT) interface specification – Part 2: Concepts and detailed description (IEC 62453-2:202X)  
Specifikacija sučelja alata za uređaje u postrojenju (FDT) – 2. dio: Pojmovi i detaljan opis (IEC 62453-2:202X)

CLC IEC/FprTR 62541-1 en  
OPC unified architecture – Part 1: Overview and concepts (IEC/TR 62541-1:2020)  
OPC objedinjena arhitektura – 1. dio: Pregled i koncepcije (IEC/TR 62541-1:2020)

CLC IEC/FprTR 62541-2 en  
OPC unified architecture – Part 2: Security Model (IEC/TR 62541-2:2020)  
OPC objedinjena arhitektura – 2. dio: Sigurnosni model (IEC/TR 62541-2:2020)

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

prEN IEC 62676-2-33:2021 en  
Video surveillance systems for use in security applications  
– Part 2-33: Cloud uplink and remote management system  
access (IEC 62676-2-33:202X)

## **HZN/TO E99, Električne instalacije iznad 1kV izmjenične i 1,5 kV istosmjernje struje**

prEN 50522 en  
Earthing of power installations exceeding 1 kV a.c.

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

prEN IEC 60216-5:2021 en  
Electrical insulating materials – Thermal endurance properties – Part 5: Determination of relative temperature index (RTI) of an insulating material (IEC 60216-5:202X)  
Električni izolacijski materijali – Svojstva toplinske izdržljivosti – 5. dio: Određivanje relativnog indeksa temperature (RTI) izolacijskog materijala (IEC 60216-5:202X)

prEN IEC 60216-6:2021 en  
Electrical insulating materials – Thermal endurance properties – Part 6: Determination of thermal endurance indices (TI and RTI) of an insulating material using the fixed time frame method (IEC 60216-6:202X)  
Električni izolacijski materijali – Svojstva toplinske izdržljivosti – 6. dio: Određivanje indeksa toplinske izdržljivosti (TI i RTI) izolacijskog materijala metodom fiksnog vremenskog uzorka (IEC 60216-6:202X)

prEN IEC 60544-5:2021 en  
Electrical insulating materials – Determination of the effects of ionizing radiation – Part 5: Procedures for assessment of ageing in service (IEC 60544-5:202X)  
Električni izolacijski materijali – Određivanje učinaka ionizacijskog zračenja – 5. dio: Postupci za procjenu starenja tijekom rada (IEC 60544-5:202X)

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

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

CLC/FprTR 50600-99-2:2021 en  
Information technology – Data centre facilities and infrastructures – Part 99-2: Recommended practices for environmental sustainability

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

prEN 14111 en  
Fat and oil derivatives – Fatty Acid Methyl Esters (FAME) – Determination of iodine value  
Derivati masti i ulja – Metilni esteri masnih kiselina – Određivanje jednog broja

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

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

prEN 17650 en  
A framework for digital preservation of cinematographic works – The Cinema Preservation Package  
Okvir za digitalno očuvanje kinematografskih djela – Cinema Preservation Package

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

prEN ISO 10276 en  
Nuclear energy – Fuel technology – Trunnion systems for packages used to transport radioactive material (ISO 10276:2019)

prEN ISO 16647 en  
Nuclear facilities – Criteria for design and operation of confinement systems for nuclear worksite and for nuclear installations under decommissioning (ISO 16647:2018)

prEN ISO 18229 en  
Essential technical requirements for mechanical components and metallic structures foreseen for Generation IV nuclear reactors (ISO 18229:2018)

prEN ISO 18589-1 en  
Measurement of radioactivity in the environment – Soil – Part 1: General guidelines and definitions (ISO 18589-1:2019)

prEN ISO 18589-4 en  
Measurement of radioactivity in the environment – Soil – Part 4: Plutonium 238 and plutonium 239 + 240 – Test method using alpha spectrometry (ISO 18589-4:2019)

prEN ISO 18589-5 en  
Measurement of radioactivity in the environment – Soil – Part 5: Strontium 90 – Test method using proportional counting or liquid scintillation counting (ISO 18589-5:2019)

prEN ISO 18589-6 en  
Measurement of radioactivity in the environment – Soil – Part 6: Gross alpha and gross beta activities – Test method using gas-flow proportional counting (ISO 18589-6:2019)

prEN ISO 20042 en  
Measurement of radioactivity – Gamma-ray emitting radionuclides – Generic test method using gamma-ray spectrometry (ISO 20042:2019)  
Mjerenje radioaktivnosti – Radionuklidi koji emitiraju gama zračenje – Generička metoda ispitivanja pomoću spektrometrije gama zraka (ISO 20042:2019)

prEN ISO 20785-4 en  
Dosimetry for exposures to cosmic radiation in civilian aircraft – Part 4: Validation of codes (ISO 20785-4:2019)  
Dozimetrija za izlaganje kozmičkom zračenju u civilnim zrakoplovima – 4. dio: Validacija kodova (ISO 20785-4:2019)

prEN ISO 22127 en  
Dosimetry with radiophotoluminescent glass dosimeters for dosimetry audit in MV X-ray radiotherapy (ISO 22127:2019)

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

prEN ISO 19630 en  
Fine ceramics (advanced ceramics, advanced technical ceramics) – Methods of test for reinforcements – Determination of tensile properties of filaments at ambient temperature (ISO 19630:2017)

prEN ISO 19634 en  
Fine ceramics (advanced ceramics, advanced technical ceramics) – Ceramic composites – Notations and symbols (ISO 19634:2017)

prEN ISO 20323 en  
Fine ceramics (advanced ceramics, advanced technical ceramics) – Mechanical properties of ceramic composites at ambient temperature in air atmospheric pressure – Determination of tensile properties of tubes (ISO 20323:2018)

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

prEN ISO 20126 en  
Dentistry – Manual toothbrushes – General requirements and test methods (ISO/DIS 20126:2021)  
Stomatologija – Ručne četkice za zube – Opći zahtjevi i metode ispitivanja (ISO/DIS 20126:2021)

prEN ISO 21802 en  
Assistive products – Guidelines on cognitive accessibility – Daily time management (ISO 21802:2019)  
Pomagala za osobe s invaliditetom – Pristupačnost za osobe s kognitivnim teškoćama – Upravljanje vremenom u svakodnevnom životu (ISO 21802:2019)

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

- prEN 2235 en  
Aerospace series – Single and multicore electrical cables, screened and jacketed – Technical specification  
Zrakoplovstvo – Jednožilni i višezilni električni kabeli, zaštićeni i obavijeni – Tehnička specifikacija
- EN 3475-512:2021 en  
Aerospace series – Cables, electrical, aircraft use – Test methods – Part 512: Flexure endurance  
Zrakoplovstvo – Električni kabeli za upotrebu u zrakoplovstvu – Metode ispitivanja – 512. dio: Izdržljivost pri savijanju
- prEN 3524 en  
Aerospace series – Steel 15CrMoV6 (1.7334) – Air melted – Hardened and tempered – Sheets and strips –  $2 \text{ mm} \leq a \leq 6 \text{ mm}$  –  $1\ 080 \text{ MPa} \leq R_m \leq 1\ 280 \text{ MPa}$
- prEN 3525 en  
Aerospace series – Steel 15CrMoV6 (1.7334) – Air melted – Hardened and tempered – Plates –  $6 \text{ mm} \leq a \leq 20 \text{ mm}$  –  $1\ 080 \text{ MPa} \leq R_m \leq 1\ 280 \text{ MPa}$   
Zrakoplovstvo – Čelik FE-PL1505 (15CrMoV6) – Taljen na zraku – Kaljen i termički obrađen – Ploča –  $6 \text{ mm} < a \leq 20 \text{ mm}$  –  $1080 \text{ MPa} \leq R_m \leq 1280 \text{ MPa}$
- prEN 3526 en  
Aerospace series – Steel 15CrMoV6 (1.7334) – Air melted – Hardened and tempered – Sheet and strip –  $0,5 \text{ mm} \leq a \leq 6 \text{ mm}$  –  $980 \text{ MPa} \leq R_m \leq 1\ 180 \text{ MPa}$   
Zrakoplovstvo – Čelik FE-PL1505 (15CrMoV6) – Taljen na zraku – Kaljen i termički obrađen – Lim i traka –  $0,5 \text{ mm} \leq a \leq 6 \text{ mm}$  –  $980 \text{ MPa} \leq R_m \leq 1\ 180 \text{ MPa}$
- prEN ISO 3691-6 en  
Industrial trucks – Safety requirements and verification – Part 6: Burden and personnel carriers (ISO/FDIS 3691-6:2021)  
Industrijska vozila – Sigurnosni zahtjevi i verifikacija – 6. dio: Vozila za prijevoz tereta i osoblja (ISO/FDIS 3691-6:2021)
- prEN 4056-005 en  
Aerospace series – Cable ties for harnesses – Part 005: Plastic cable ties with metallic locking devices, operating temperatures -65 °C to 105 °C and -65 °C to 150 °C – Product standard
- prEN 4179 en  
Aerospace series – Qualification and approval of personnel for nondestructive testing  
Zrakoplovstvo – Kvalifikacije i dopuštenje za rad djelatnika u poslovima nerazornog ispitivanja
- prEN 4717 en  
Aerospace series – Polyetheretherketone with 55 % continuous carbon fibre by volume (PEEK-CF55) – Stock shape material – Material specification
- prEN 4718 en  
Aerospace series – Polyetheretherketone with 55 % continuous glass fibre by volume (PEEK-GF55) – Stock shape material – Material specification
- prEN 4828 en  
Aerospace series – Thermal drift of LED luminaires – Classification and measuring methods
- prEN 4876 en  
Aerospace series – Environmental testing – Durability of the displays by general usage
- EN 6099:2021 en  
Aerospace series – Rod-end, spherical, plain bearing, metal to metal – Technical specification
- prEN 9163 en  
Aerospace series – Certificate of conformance requirements

## HZN/TU V1, *Elektronika 1*

- prEN IEC 60794-3-40:2021 en  
Optical fibre cables – Part 3-40: Outdoor cables – Family specification for cables for storm and sanitary sewers (IEC 60794-3-40:202X)

- prEN IEC 61051-2:2021 en  
Varistors for use in electronic equipment – Part 2: Sectional specification for surge suppression varistors (IEC 61051-2:202X)
- prEN IEC 62093:2021 en  
Power conversion equipment for photovoltaic systems – Design qualification testing (IEC 62093:202X)
- prEN IEC 62108:2021 en  
Concentrator photovoltaic (CPV) modules and assemblies – Design qualification and type approval (IEC 62108:202X)
- EN IEC 62788-5-1:2020/prA1:2021 en  
Measurement procedures for materials used in photovoltaic modules – Part 5-1: Edge seals – Suggested test methods for use with edge seal materials (IEC 62788-5-1:2020/am1:202X)  
Postupci mjerenja za materijale koji se koriste u fotonaponskim modulima – Dio 5-1: Rubne brtve – Predložene metode ispitivanja za upotrebu s materijalima za rubne brtve (IEC 62788-5-1:2020/am1:202X)
- prEN IEC 63373:2021 en  
Dynamic on-resistance test method guidelines for GaN HEMT based power conversion devices (IEC 63373:202X)

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

- EN 50632-1:2015/prA2 en  
Electric motor-operated tools – Dust measurement procedure – Part 1: General requirements  
Elektromotorni alati – Postupak mjerenja prašine – 1. dio: Opći zahtjevi
- EN 50632-2-11:2016/prA1 en  
Electric motor-operated tools – Dust measurement procedure – Part 2-11: Particular requirements for jig and sabre saws  
Elektromotorni alati – Postupak mjerenja prašine – Dio 2-11: Posebni zahtjevi za ubodne i sabljaste pile
- EN 50632-2-14:2016/prA1 en  
Electric motor-operated tools – Dust measurement procedure – Part 2-14: Particular requirements for planers  
Elektromotorni alati – Postupak mjerenja prašine – Dio 2-14: Posebni zahtjevi za blanjalice
- EN 50632-2-17:2016/prA1 en  
Electric motor-operated tools – Dust measurement procedure – Part 2-17: Particular requirements for routers and trimmers  
Elektromotorni alati – Postupak mjerenja prašine – Dio 2-17: Posebni zahtjevi za glodalice i trimere
- EN 50632-2-19:2016/prA1 en  
Electric motor-operated tools – Dust measurement procedure – Part 2-19: Particular requirements for jointers  
Elektromotorni alati – Postupak mjerenja prašine – Dio 2-19: Posebni zahtjevi za ravnalice
- EN 50632-2-22:2015/prA1 en  
Electric motor-operated tools – Dust measurement procedure – Part 2-22: Particular requirements for cut-off machines and wall chasers
- EN 50632-2-3:2016/prA1 en  
Electric motor-operated tools – Dust measurement procedure – Part 2-3: Particular requirements for concrete grinders and disk-type sanders  
Elektromotorni alati – Postupak mjerenja prašine – Dio 2-3: Posebni zahtjevi za brusilice betona i brusilice s brusnim papirom u obliku diska
- EN 50632-2-4:2016/prA1 en  
Electric motor-operated tools – Dust measurement procedure – Part 2-4: Particular requirements for sanders other than disk type  
Elektromotorni alati – Postupak mjerenja prašine – Dio 2-4: Posebni zahtjevi za brusilice s brusnim papirom koji nije u obliku diska
- EN 50632-2-5:2016/prA1 en  
Electric motor-operated tools – Dust measurement procedure – Part 2-5: Particular requirements for circular saws  
Elektromotorni alati – Postupak mjerenja prašine – Dio 2-5: Posebni zahtjevi za kružne pile



EN 50632-3-1:2016/prA1 en  
Electric motor-operated tools – Dust measurement procedure – Part 3-1: Particular requirements for transportable table saws  
Elektromotorni alati – Postupak mjerenja prašine – Dio 3-1: Posebni zahtjevi za prijenosne stolne pile

EN 50632-3-9:2016/prA1 en  
Electric motor-operated tools – Dust measurement procedure – Part 3-9: Particular requirements for transportable mitre saws  
Elektromotorni alati – Postupak za mjerenje prašine – Dio 3-9: Posebni zahtjevi za prijenosne kutne pile

prEN IEC 60704-2-18:2021 en  
Household and similar electrical appliances – Test code for the determination of airborne acoustical noise – Part 2-18: Particular requirements for electric water heaters (IEC 60704-2-18:202X)

EN 62282-3-201:2017/prA1:2021 en  
Fuel cell technologies – Part 3-201: Stationary fuel cell power systems – Performance test methods for small fuel cell power systems (IEC 62282-3-201:2017/am1:202X)  
Tehnologija gorivih ćelija – Dio 3-201: Energetski sustavi stacionarnih gorivih ćelija – Metode ispitivanja značajki za male energetske sustave gorivih ćelija (IEC 62282-3-201:2017/am1:202X)

prEN IEC 63174:2021 en  
Electrically operated toothbrushes – Method for measuring performance (IEC 63174:202X)

prEN IEC 63370:2021 en  
Lithium-Ion Batteries and Charging Systems – Safety (IEC 63370:202X)

## 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, napatuk) 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 5, *Metalne cijevi i priključci*

HRN EN 1515-4:2010 en  
Prirubnice i njihovi spojevi – Vijci i matice – 3. dio: Selekcija vijaka i matice ovisno o direktivi za opremu pod tlakom 97/23/EC (EN 1515-4:2009)  
Flanges and their joints – Bolting – Part 4: Selection of bolting for equipment subject to the Pressure Equipment Directive 97/23/EC (EN 1515-4:2009)  
- zamijenjena s: HRN EN 1515-4:2021

### HZN/TO 8, *Brodogradnja*

HRN EN ISO 7840:2018 en  
Mala plovila – Vatrootporne savitljive cijevi za gorivo (ISO 7840:2013; EN ISO 7840:2018)  
Small craft – Fire-resistant fuel hoses (ISO 7840:2013; EN ISO 7840:2018)  
- zamijenjena s: HRN EN ISO 7840:2021

HRN EN ISO 8469:2018 en  
Mala plovila – Savitljive cijevi za gorivo neotporne na vatru (ISO 8469:2013; EN ISO 8469:2018)  
Small craft – Non-fire-resistant fuel hoses (ISO 8469:2013; EN ISO 8469:2018)  
- zamijenjena s: HRN EN ISO 8469:2021

HRN EN ISO 8848:2017 en  
Mala plovila – Sustavi daljinskog kormilarenja (ISO 8848:1990; EN ISO 8848:2017)  
Small craft – Remote steering systems (ISO 8848:1990; EN ISO 8848:2017)  
- zamijenjena s: HRN EN ISO 8848:2021,  
HRN EN ISO 23411:2021

HRN EN ISO 9775:2017 en  
Mala plovila – Sustavi daljinskog kormilarenja za izvedbe s jednim izvanbrodskim motorom snage od 15 kW do 40 kW (ISO 9775:1990; EN ISO 9775:2017)  
Small craft – Remote steering systems for single outboard motors of 15 kW to 40 kW power (ISO 9775:1990; EN ISO 9775:2017)  
- zamijenjena s: HRN EN ISO 8848:2021,  
HRN EN ISO 23411:2021

HRN EN ISO 15652:2017 en  
Mala plovila – Sustavi daljinskog kormilarenja za plovila s ugrađenim motorom i malim vodomlaznim propulzorom (ISO 15652:2003; EN ISO 15652:2017)  
Small craft – Remote steering systems for inboard mini jet boats (ISO 15652:2003; EN ISO 15652:2017)  
- zamijenjena s: HRN EN ISO 8848:2021,  
HRN EN ISO 23411:2021

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

HRN EN ISO 22868:2012 en  
Šumarska mehanizacija – Kod za ispitivanje buke ručnih strojeva s motorima s unutrašnjim izgaranjem – Inženjerska metoda (2. stupanj preciznosti) (ISO 22868:2011; EN ISO 22868:2011)  
Forestry and gardening machinery – Noise test code for portable hand-held machines with internal combustion engine – Engineering method (Grade 2 accuracy) (ISO 22868:2011; EN ISO 22868:2011)  
- zamijenjena s: HRN EN ISO 22868:2021

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

HRN EN ISO 4120:2008 en  
Senzorske analize – Metodologija – Test trokuta (ISO 4120:2004; EN ISO 4120:2007)  
Sensory analysis – Methodology – Triangle test (ISO 4120:2004; EN ISO 4120:2007)  
- zamijenjena s: HRN EN ISO 4120:2021

### HZN/TO 43, *Akustika*

HRN EN ISO 11904-2:2006 en  
Akustika – Određivanje zvučne imisije od izvora zvuka smještenih blizu uha – 2. dio: tehnika određivanja zvučne imisije uporabom simulatora glave i trupa čovjeka (ISO 11904-2:2004; EN ISO 11904-2:2004)  
Acoustics – Determination of sound immission from sound sources placed close to the ear – Part 2: Technique using a manikin (ISO 11904-2:2004; EN ISO 11904-2:2004)  
- zamijenjena s: HRN EN ISO 11904-2:2021

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

HRN EN ISO 17677-1:2019 en,fr,de  
Elektrootporno zavarivanje – Terminološki rječnik – 1. dio: Točkasto, bradavičasto i šavno zavarivanje (ISO 17677-1:2019; EN ISO 17677-1:2019)  
Resistance welding – Vocabulary – Part 1: Spot, projection and seam welding (ISO 17677-1:2019; EN ISO 17677-1:2019)  
- zamijenjena s: HRN EN ISO 17677-1:2021

### HZN/TO 71, *Beton*

HRN EN 206:2016 en  
Beton – Specifikacija, svojstva, proizvodnja i sukladnost (EN 206:2013+A1:2016)  
Concrete – Specification, performance, production and conformity (EN 206:2013+A1:2016)  
- zamijenjena s: HRN EN 206:2021

### HZN/TO 120, *Koža i obuća*

HRN EN ISO 17130:2013 en  
Koža – Fizikalna i mehanička ispitivanja – Određivanje promjene dimenzija (ISO 17130:2013; EN ISO 17130:2013)  
Leather – Physical and mechanical tests – Determination of dimensional change (ISO 17130:2013; EN ISO 17130:2013)  
- zamijenjena s: HRN EN ISO 17130:2021

HRN EN ISO 27587:2010 en

Koža – Kemijska ispitivanja – Određivanje slobodnog formaldehida u pomoćnim sredstvima za obradu (ISO 27587:2009; EN ISO 27587:2009)  
Leather – Chemical tests – Determination of the free formaldehyde in process auxiliaries (ISO 27587:2009; EN ISO 27587:2009)  
- zamijenjena s: HRN EN ISO 27587:2021

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

HRN EN ISO 22282-4:2012 en

Geotehničko istraživanje i ispitivanje – Geohidrauličko ispitivanje – 4. dio: Ispitivanje crpjenjem vode (ISO 22282-4:2012; EN ISO 22282-4:2012)  
Geotechnical investigation and testing – Geohydraulic testing – Part 4: Pumping tests (ISO 22282-4:2012; EN ISO 22282-4:2012)  
- zamijenjena s: HRN EN ISO 22282-4:2021

### **HZN/TO 196, Prirodni kamen**

HRN EN 16301:2013 en

Metode ispitivanja prirodnog kamena – Određivanje osjetljivosti na slučajno bojanje (EN 16301:2013)  
Natural stone test methods – Determination of sensitivity to accidental staining (EN 16301:2013)  
- zamijenjena s: HRN EN 16301:2021

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

HRN EN ISO 25619-1:2009 en

Geosintetici – Određivanje ponašanja pri opterećenju tlakom – 1. dio: Svojstva puzanja pri opterećenju tlakom (ISO 25619-1:2008; EN ISO 25619-1:2008)  
Geosynthetics – Determination of compression behaviour – Part 1: Compressive creep properties (ISO 25619-1:2008; EN ISO 25619-1:2008)  
- zamijenjena s: HRN EN ISO 25619-1:2021

### **HZN/TO 238, Čvrsta biogoriva**

HRN EN ISO 17225-3:2014 en

Čvrsta biogoriva – Specifikacije goriva i razredi – 3. dio: Klasifikacija drvnih briketa (ISO 17225-3:2014; EN ISO 17225-3:2014)  
Solid biofuels – Fuel specifications and classes – Part 3: Graded wood briquettes (ISO 17225-3:2014; EN ISO 17225-3:2014)  
- zamijenjena s: HRN EN ISO 17225-3:2021

HRN EN ISO 17225-4:2014 en

Čvrsta biogoriva – Specifikacije goriva i razredi – 4. dio: Klasifikacija drvene sječke (ISO 17225-4:2014; EN ISO 17225-4:2014)  
Solid biofuels – Fuel specifications and classes – Part 4: Graded wood chips (ISO 17225-4:2014; EN ISO 17225-4:2014)  
- zamijenjena s: HRN EN ISO 17225-4:2021

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

HRN EN 13600:2014 en

Bakar i legure bakra – Bešavne bakrene cijevi za primjenu u elektrotehnici (EN 13600:2013)  
Copper and copper alloys – Seamless copper tubes for electrical purposes (EN 13600:2013)  
- zamijenjena s: HRN EN 13600:2021

HRN EN ISO 19879:2010 en

Metalni cijevni priključci za hidrauliku i opću uporabu – Metode ispitivanja za hidraulične priključke (ISO 19879:2010; EN ISO 19879:2010)  
Metallic tube connections for fluid power and general use – Test methods for hydraulic fluid power connections (ISO 19879:2010; EN ISO 19879:2010)  
- zamijenjena s: HRN EN ISO 19879:2021

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

HRN EN ISO 15663-1:2007 en

Industrija nafte i prirodnog plina – Izračun troškova tijekom vijeka trajanja imovine – 1. dio: Metodologija (ISO 15663-1:2000; EN ISO 15663-1:2006)  
Petroleum and natural gas industries – Life cycle costing – Part 1: Methodology (ISO 15663-1:2000; EN ISO 15663-1:2006)  
- zamijenjena s: HRN EN ISO 15663:2021

### **HZN/TO 509, Cestovna oprema**

HRN EN 1793-6:2018 en

Barijere za zaštitu od buke s cesta – Metoda ispitivanja za određivanje akustičkih svojstava – 6. dio: Unutarnje značajke – In situ vrijednosti izolacije od vanjske buke u uvjetima neposrednog zvučnog polja (EN 1793-6:2018)  
Road traffic noise reducing devices – Test method for determining the acoustic performance – Part 6: Intrinsic characteristics – In situ values of airborne sound insulation under direct sound field conditions (EN 1793-6:2018)  
- zamijenjena s: HRN EN 1793-6:2021

### **HZN/TO 522, Karakterizacija i zbrinjavanje otpada**

HRN EN 1501-1:2015 en

Vozila za skupljanje otpada – Opći i sigurnosni zahtjevi – 1. dio: Vozila za skupljanje otpada sa stražnjim punjenjem (EN 1501-1:2011+A1:2015)  
Refuse collection vehicles – General requirements and safety requirements – Part 1: Rear loaded refuse collection vehicles (EN 1501-1:2011+A1:2015)  
- zamijenjena s: HRN EN 1501-1:2021

HRN EN 1501-2:2010 en

Vozila za skupljanje otpada i pripadne naprave za podizanje – Opći i sigurnosni zahtjevi – 2. dio: Vozila za skupljanje otpada s bočnim punjenjem (EN 1501-2:2005+A1:2009)  
Refuse collection vehicles and associated lifting devices – General requirements and safety requirements – Part 2: Side loaded refuse collection vehicles (EN 1501-2:2005+A1:2009)  
- zamijenjena s: HRN EN 1501-2:2021

HRN EN 1501-3:2008 en

Vozila za skupljanje otpada i pripadne naprave za podizanje – Opći i sigurnosni zahtjevi – 3. dio: Vozila za skupljanje otpada s prednjim punjenjem (EN 1501-3:2008)  
Refuse collection vehicles and their associated lifting devices – General requirements and safety requirements – Part 3: Front loaded refuse collection vehicles (EN 1501-3:2008)  
- zamijenjena s: HRN EN 1501-3:2021

HRN EN 1501-5:2011 en

Vozila za skupljanje otpada – Opći i sigurnosni zahtjevi – 5. dio: Vozila za skupljanje otpada s podiznim uređajima (EN 1501-5:2011)  
Refuse collection vehicles – General requirements and safety requirements – Part 5: Lifting devices for refuse collection vehicles (EN 1501-5:2011)  
- zamijenjena s: HRN EN 1501-5:2021

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

HRN EN ISO 14819-1:2014 en

Inteligentni transportni sustavi – Informativne poruke o prometu i putovanju u sustavu kodiranja prometnih informacija – 1. dio: Protokol za kodiranje u sustavu prijenosa podataka putem radija – Uporaba ALERT-C u kanalu za prijenos podataka o prometu (RDS-TMC) (ISO 14819-1:2013; EN ISO 14819-1:2013)  
Intelligent transport systems – Traffic and travel information messages via traffic message coding – Part 1: Coding protocol for Radio Data System – Traffic Message Channel (RDS-TMC) using ALERT-C (ISO 14819-1:2013; EN ISO 14819-1:2013)  
- zamijenjena s: HRN EN ISO 14819-1:2021

HRS CEN ISO/TS 14907-2:2016 en

Elektronička naplata – Ispitni postupci za korisničku i nepomičnu opremu – 2. dio: Ispitivanje sukladnosti sučelja aplikacije za uređaje ugrađene u vozilo (ISO/TS 14907-2:2016; CEN ISO/TS 14907-2:2016)  
Electronic fee collection – Test procedures for user and fixed equipment – Part 2: Conformance test for the on-board unit application interface (ISO/TS 14907-2:2016; CEN ISO/TS 14907-2:2016)  
- zamijenjena s: HRN EN ISO 14907-2:2021

HRS CEN/TS 16157-4:2014 en

Inteligentni transportni sustavi – DATEX II specifikacija za razmjenu podataka za upravljanje prometom i informiranje – 4. dio: Objave za znakove promjenljive obavijesti (VMS) (CEN/TS 16157-4:2014)  
Intelligent transport systems – DATEX II data exchange specifications for traffic management and information – Part 4: Variable Message Sign (VMS) Publications (CEN/TS 16157-4:2014)  
- zamijenjena s: HRN EN 16157-4:2021

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

- HRN EN 13614:2011 en  
Bitumen i bitumenska veziva – Određivanje prionljivosti bitumenskih emulzija postupkom uranjanja u vodu (EN 13614:2011)  
Bitumen and bituminous binders – Determination of adhesivity of bituminous emulsions by water immersion test (EN 13614:2011)  
- zamijenjena s: HRN EN 13614:2021

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

- HRN EN 13749:2011 en  
Željeznički sustav – Osovinski sklopovi i okretna postolja – Metode definiranja zahtjeva za oblikovanje okvira okretnih postolja (EN 13749:2011)  
Railway applications – Wheelsets and bogies – Method of specifying the structural requirements of bogie frames (EN 13749:2011)  
- zamijenjena s: HRN EN 13749:2021

- HRN EN 15807:2011 en  
Željeznički sustav – Poluspojke zračne instalacije (EN 15807:2011)  
Railway applications – Pneumatic half couplings (EN 15807:2011)  
- bez zamjene

## **HZN/TO 529, Granici, dizalice i prenosila neprekidne dobave**

- HRN EN 528:2009 en  
Oprema regalnih uređaja na tračnicama – Sigurnosni zahtjevi (EN 528:2008)  
Rail dependent storage and retrieval equipment – Safety requirements (EN 528:2008)  
- zamijenjena s: HRN EN 528:2021

- HRN EN 13001-2:2014 en  
Sigurnost granika – Opće projektiranje – 2. dio: Djelovanje opterećenja (EN 13001-2:2014)  
Crane safety – General design – Part 2: Load actions (EN 13001-2:2014)  
- zamijenjena s: HRN EN 13001-2:2021

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

- HRN EN 12385-5:2003 en  
Čelična užad – Sigurnost – 5. dio: Pramenasta užad za dizala (EN 12385-5:2002)  
Steel wire ropes – Safety – Part 5: Stranded ropes for lifts (EN 12385-5:2002)  
- zamijenjena s: HRN EN 12385-5:2021

- HRN EN 12385-5:2003/Ispr.1:2008 en  
Čelična užad – Sigurnost – 5. dio: Pramenasta užad za dizala (EN 12385-5:2002/AC:2005)  
Steel wire ropes – Safety – Part 5: Stranded ropes for lifts (EN 12385-5:2002/AC:2005)  
- zamijenjena s: HRN EN 12385-5:2021

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

- HRN EN ISO 1628-1:2009 en  
Plastika – Određivanje viskoznosti polimera u razrijeđenoj otopini uporabom kapilarnih viskozimetara – 1. dio: Opća načela (ISO 1628-1:2009; EN ISO 1628-1:2009)  
Plastics – Determination of the viscosity of polymers in dilute solution using capillary viscometers – Part 1: General principles (ISO 1628-1:2009; EN ISO 1628-1:2009)  
- zamijenjena s: HRN EN ISO 1628-1:2021

- HRN EN ISO 1628-1:2009/A1:2012 en  
Plastika – Određivanje viskoznosti polimera u razrijeđenoj otopini uporabom kapilarnih viskozimetara – 1. dio: Opća načela (ISO 1628-1:2009/Amd 1:2012; EN ISO 1628-1:2009/A1:2012)  
Plastics – Determination of the viscosity of polymers in dilute solution using capillary viscometers – Part 1: General principles (ISO 1628-1:2009/Amd 1:2012; EN ISO 1628-1:2009/A1:2012)  
- zamijenjena s: HRN EN ISO 1628-1:2021

- HRN EN ISO 16929:2019 en  
Plastika – Određivanje stupnja raspada plastičnog materijala prema utvrđenim uvjetima kompostiranja ispitivanjem u poluindustrijskom mjerilu (ISO 16929:2019; EN ISO 16929:2019)  
Plastics – Determination of the degree of disintegration of plastic materials under defined composting conditions in a pilot-scale test (ISO 16929:2019; EN ISO 16929:2019)  
- zamijenjena s: HRN EN ISO 16929:2021

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

- HRN EN 13126-2:2012 en  
Građevni okovi – Zahtjevi i metode ispitivanja za prozore i prozorska vrata – 2. dio: Ručke za zatvaranje prozora (EN 13126-2:2011)  
Building hardware – Requirements and test methods for windows and doors height windows – Part 2: Window fastener handles (EN 13126-2:2011)  
- zamijenjena s: HRN EN 13126-2:2021

- HRN EN 13126-7:2008 en  
Građevni okovi – Zahtjevi i ispitne metode za prozore i prozorska vrata – 7. dio: Zasuni na oprugu (otponci) (EN 13126-7:2007)  
Building hardware – Requirements and test methods for windows and door height windows – Part 7: Finger catches (EN 13126-7:2007)  
- zamijenjena s: HRN EN 13126-7:2021

- HRN EN 14500:2008 en  
Sjenila i zasloni – Toplinska i vizualna udobnost – Ispitne i proračunske metode (EN 14500:2008)  
Blinds and shutters – Thermal and visual comfort – Test and calculation methods (EN 14500:2008)  
- zamijenjena s: HRN EN 14500:2021

- HRN EN 14501:2008 en  
Sjenila i zasloni – Toplinska i vizualna udobnost – Izvedbena svojstva i razredba (EN 14501:2005)  
Blinds and shutters – Thermal and visual comfort – Performance characteristics and classification (EN 14501:2005)  
- zamijenjena s: HRN EN 14501:2021

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

- HRN EN ISO 6410-3:2008 en  
Tehnički crteži – Vijčani navoji i navojni dijelovi – 3. dio: Pojednostavljeno prikazivanje (ISO 6410-3:1993; EN ISO 6410-3:1996)  
Technical drawings – Screw threads and threaded parts – Part 3: Simplified representation (ISO 6410-3:1993; EN ISO 6410-3:1996)  
- zamijenjena s: HRN EN ISO 6410-3:2021

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

- HRN EN ISO 9046:2008 en  
Gradnja zgrada – Proizvodi za spajanje – Određivanje svojstava adhezije/kohezije brtvila uz nepromjenjivu temperaturu (ISO 9046:2002; EN ISO 9046:2004)  
Building construction – Jointing products – Determination of adhesion/cohesion properties of sealants at constant temperature (ISO 9046:2002; EN ISO 9046:2004)  
- zamijenjena s: HRN EN ISO 9046:2021

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

- HRN EN ISO 19085-1:2017 en  
Strojevi za obradu drveta – Sigurnost – 1. dio: Opći zahtjevi (ISO 19085-1:2017; EN ISO 19085-1:2017)  
Woodworking machines – Safety – Part 1: Common requirements (ISO 19085-1:2017; EN ISO 19085-1:2017)  
- zamijenjena s: HRN EN ISO 19085-1:2021

- HRN EN ISO 19085-1:2017/Ispr.1:2018 en  
Strojevi za obradu drveta – Sigurnost – 1. dio: Opći zahtjevi (EN ISO 19085-1:2017/AC:2018)  
Woodworking machines – Safety – Part 1: Common requirements (EN ISO 19085-1:2017/AC:2018)  
- zamijenjena s: HRN EN ISO 19085-1:2021

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

HRN EN ISO 21187:2008 en

Mlijeko – Kvantitativno određivanje bakteriološke kvalitete – Upute za uspostavljanje i potvrđivanje konverzijskog odnosa između rezultata rutinske metode i rezultata temeljne metode (ISO 21187:2004; EN ISO 21187:2005)  
Milk – Quantitative determination of bacteriological quality – Guidance for establishing and verifying a conversion relationship between routine method results and anchor method results (ISO 21187:2004; EN ISO 21187:2005)  
- zamijenjena s: HRN EN ISO 21187:2021

## **HZN/TO 567, Meso, proizvodi ribarstva i akvakultura**

HRN ISO 3975:1999 en

Definicija živih životinja za klanje – Konji (ISO 3975:1977)  
Definitions of living animals for slaughter – Horses (ISO 3975:1977)  
- bez zamjene

## **HZN/TO 572, Kruta oporabljena goriva**

HRN EN 15402:2011 en

Kruta oporabljena goriva – Određivanje sadržaja hlapljivih tvari (EN 15402:2011)  
Solid recovered fuels – Determination of the content of volatile matter (EN 15402:2011)  
- zamijenjena s: HRN EN ISO 22167:2021

HRN EN 15403:2011 en

Kruta oporabljena goriva – Određivanje sadržaja pepela (EN 15403:2011)  
Solid recovered fuels – Determination of ash content (EN 15403:2011)  
- zamijenjena s: HRN EN ISO 21656:2021

HRN EN 15414-3:2011 en

Kruta oporabljena goriva – Određivanje sadržaja vlage metodom sušenja u pećnici – 3. dio: Vlaga u općoj analizi uzorka (EN 15414-3:2011)  
Solid recovered fuels – Determination of moisture content using the oven dry method – Part 3: Moisture in general analysis sample (EN 15414-3:2011)  
- zamijenjena s: HRN EN ISO 21660-3:2021

HRN EN 15442:2011 en

Kruta oporabljena goriva – Metode uzorkovanja (EN 15442:2011)  
Solid recovered fuels – Methods for sampling (EN 15442:2011)  
- zamijenjena s: HRN EN ISO 21645:2021

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

HRN ISO 10303-21:2005 en

Sustavi industrijske automatizacije i integracija – Prikaz i razmjena podataka o proizvodu – 21. dio: Metode za primjenu: Tekstualni kodovi strukture za razmjenu podataka (ISO 10303-21:2002)  
Industrial automation systems and integration – Product data representation and exchange – Part 21: Implementation methods: Clear text encoding of the exchange structure (ISO 10303-21:2002)  
- zamijenjena s: HRN ISO 10303-21:2021

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

HRN EN 425:2003 en

Elastične i laminatne podne obloge – Ispitivanje otpornosti na kotačiće namještaja (EN 425:2002)  
Resilient and laminate floor coverings – Castor chair test (EN 425:2002)  
- zamijenjena s: HRN EN ISO 4918:2021

HRN EN ISO 22300:2018 en

Sigurnost i elastičnost – Terminološki rječnik (ISO 22300:2018; EN ISO 22300:2018)  
Security and resilience – Vocabulary (ISO 22300:2018; EN ISO 22300:2018)  
- zamijenjena s: HRN EN ISO 22300:2021

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

HRN EN ISO 3262-19:2002 en

Punila za boje – Specifikacije i metode ispitivanja – 19. dio: Istaložena silicijeva kiselina (ISO 3262-19:2000; EN ISO 3262-19:2000)  
Extenders for paints – Specifications and methods of test – Part 19: Precipitated silica (ISO 3262-19:2000; EN ISO 3262-19:2000)  
- zamijenjena s: HRN EN ISO 3262-19:2021

HRN EN ISO 3262-20:2002 en

Punila za boje – Specifikacije i metode ispitivanja – 20. dio: Dimeča silicijeva kiselina (ISO 3262-20:2000; EN ISO 3262-20:2000)  
Extenders for paints – Specifications and methods of test – Part 20: Fumed silica (ISO 3262-20:2000; EN ISO 3262-20:2000)  
- zamijenjena s: HRN EN ISO 3262-20:2021

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

HRN EN 303-5:2012 en

Toplovodni kotlovi – 5. dio: Kotlovi na kruto gorivo, ručno i automatski loženi, nazivne toplinske snage do 500 kW – Nazivlje, zahtjevi, ispitivanje i označavanje (EN 303-5:2012)  
Heating boilers – Part 5: Heating boilers for solid fuels, manually and automatically stoked, nominal heat output of up to 500 kW – Terminology, requirements, testing and marking (EN 303-5:2012)  
- zamijenjena s: HRN EN 303-5:2021

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

HRN EN ISO 11426:2016 en

Nakit – Određivanje zlata u legurama zlata za nakit – Metoda kupelacije (analiza vatrom) (ISO 11426:2014; EN ISO 11426:2016)  
Jewellery – Determination of gold in gold jewellery alloys – Cupellation method (fire assay) (ISO 11426:2014; EN ISO 11426:2016)  
- zamijenjena s: HRN EN ISO 11426:2021

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

HRN EN ISO 4823:2015 en

Stomatologija – Elastomerni materijali za otiske (ISO 4823:2015; EN ISO 4823:2015)  
Dentistry – Elastomeric impression materials (ISO 4823:2015; EN ISO 4823:2015)  
- zamijenjena s: HRN EN ISO 4823:2021

HRN EN ISO 16061:2015 en

Instrumenti za upotrebu s neaktivnim kirurškim implantatima – Opći zahtjevi (ISO 16061:2015; EN ISO 16061:2015)  
Instrumentation for use in association with non-active surgical implants – General requirements (ISO 16061:2015; EN ISO 16061:2015)  
- zamijenjena s: HRN EN ISO 16061:2021

HRN EN ISO 28399:2020 en

Stomatologija – Proizvodi za vanjsko izbjeljivanje zuba (ISO 28399:2020; EN ISO 28399:2020)  
Dentistry – External tooth bleaching products (ISO 28399:2020; EN ISO 28399:2020)  
- zamijenjena s: HRN EN ISO 28399:2021

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

HRN EN 4035:2008 en

Nizovi o zrakoplovstvu – Krajevi šipke, prilagodljivi sa samoporavnavajućim dvorednim kugličnim ležajevima od čelika otpornog na koroziju, skraćena unutrašnja radijalna zračnost i struk s navojem od legure titana – Dimenzije i opterećenja (EN 4035:2006)  
Aerospace series – Rod ends, adjustable with self-aligning double row ball bearing in corrosion resisting steel, reduced internal radial clearance and threaded shank in titanium alloy – Dimensions and loads (EN 4035:2006)  
- zamijenjena s: HRN EN 4035:2021

HRN EN 4036:2008 en

Nizovi o zrakoplovstvu – Krajevi šipke, prilagodljivi sa samoprilagodljivim dvorednim kugličnim ležajevima i navojem na stablu od čelika otpornog na koroziju, skraćena unutrašnja radijalna zračnost – Dimenzije i opterećenja (EN 4036:2006)  
Aerospace series – Rod ends, adjustable with self-aligning double row ball bearing and threaded shank in corrosion resisting steel, reduced internal radial clearance – Dimensions and loads (EN 4036:2006)  
- zamijenjena s: HRN EN 4036:2021

## 1.6 Ispravci hrvatskih norma

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

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

- **umjesto**

HRN EN ISO 5395-3:2014/A1:2017  
Oprema za vrtove i parkove – Sigurnosni zahtjevi za kosilice trave pogonjene motorom s unutrašnjim izgaranjem – 3. dio: Kosilice trave s rukovateljem koji sjedi na kosilici (ISO 5395-3:2013/Amd 1:2017; EN ISO 5395-3:2013/A1:2017)  
Garden equipment – Safety requirements for combustion-engine-powered lawnmowers – Part 3: Ride-on lawnmowers with seated operator (ISO 5395-3:2013/Amd 1:2017; EN ISO 5395-3:2013/A1:2017)

- **treba biti**

HRN EN ISO 5395-3:2014/A1:2017  
Oprema za vrtove i parkove – Sigurnosni zahtjevi za kosilice trave pogonjene motorom s unutrašnjim izgaranjem – 3. dio: Kosilice trave s rukovateljem koji sjedi na kosilici – **Amendment 1: OPC, parkirna kočnica, ROPS, tlačna crijeva, rezni uređaji, hvatač trave i testna sonda** (ISO 5395-3:2013/Amd 1:2017, **ispravljena verzija 2017-03**; EN ISO 5395-3:2013/A1:2017)  
Garden equipment – Safety requirements for combustion-engine-powered lawnmowers – Part 3: Ride-on lawnmowers with seated operator – **Amendment 1: OPC, Parking brake, ROPS, pressurized hoses, cutting means, grass catcher and test probe** (ISO 5395-3:2013/Amd 1:2017, **Corrected version 2017-03**; EN ISO 5395-3:2013/A1:2017)

### HZN/TO 136, *Namještaj*

- **umjesto**

HRN EN 16122:2013  
Namještaj za **skladištenje koji nije za kućnu uporabu** – Metode ispitivanja za određivanje čvrstoće, izdržljivosti i stabilnosti (EN 16122:2012)  
Domestic and non-domestic storage furniture – Test methods for the determination of strength, durability and stability (EN 16122:2012)

- **treba biti**

HRN EN 16122:2013  
Namještaj za **odlaganje za kućnu uporabu i namještaj za odlaganje koji nije za kućnu uporabu** – Metode ispitivanja za određivanje čvrstoće, izdržljivosti i stabilnosti (EN 16122:2012)  
Domestic and non-domestic storage furniture – Test methods for the determination of strength, durability and stability (EN 16122:2012)

- **umjesto**

HRN EN 16122:2013/Ispr.1:2015  
Namještaj za **skladištenje koji nije za kućnu uporabu** – Metode ispitivanja za određivanje čvrstoće, izdržljivosti i stabilnosti (EN 16122:2012/AC:2015)  
Domestic and non-domestic storage furniture – Test methods for the determination of strength, durability and stability (EN 16122:2012/AC:2015)

- **treba biti**

HRN EN 16122:2013/Ispr.1:2015  
Namještaj za **odlaganje za kućnu uporabu i namještaj za odlaganje koji nije za kućnu uporabu** – Metode ispitivanja za određivanje čvrstoće, izdržljivosti i stabilnosti (EN 16122:2012/AC:2015)  
Domestic and non-domestic storage furniture – Test methods for the determination of strength, durability and stability (EN 16122:2012/AC:2015)

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

- **umjesto**

HRN EN ISO 22391-5:2010/A1:2021  
Plastični cijevni sustavi za instalacije s toplom i hladnom vodom – Polietileni postojani pri povišenoj temperaturi (PE-RT) – 5. dio: Prikladnost sustava za uporabu (ISO 22391-5:2009/Amd 1:2020; EN ISO 22391-5:2009/A1:2020)  
Plastics piping systems for hot and cold water installations – Polyethylene of raised temperature resistance (PE-RT) – Part 5: Fitness for purpose of the system (ISO 22391-5:2009/Amd 1:2020; EN ISO 22391-5:2009/A1:2020)

- **treba biti**

HRN EN ISO 22391-5:2010/A1:2021  
Plastični cijevni sustavi za instalacije s toplom i hladnom vodom – Polietileni postojani pri povišenoj temperaturi (PE-RT) – 5. dio: Prikladnost sustava za uporabu (ISO 22391-5:2009/Amd 1:2020, **ispravljena verzija 2021-03**; EN ISO 22391-5:2009/A1:2020)  
Plastics piping systems for hot and cold water installations – Polyethylene of raised temperature resistance (PE-RT) – Part 5: Fitness for purpose of the system (ISO 22391-5:2009/Amd 1:2020, **Corrected version 2021-03**; EN ISO 22391-5:2009/A1:2020)

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

- **umjesto**

HRN EN 13101:2007  
Penjalice za pristup čovjeka u podzemne komore – Zahtjevi, označavanje, ispitivanje i **procjena** sukladnosti (EN 13101:2002)  
Steps for underground man entry chambers – Requirements, marking, testing and evaluation of conformity (EN 13101:2002)

- **treba biti**

HRN EN 13101:2007  
Penjalice za pristup čovjeka u podzemne komore – Zahtjevi, označavanje, ispitivanje i **vrednovanje** sukladnosti (EN 13101:2002)  
Steps for underground man entry chambers – Requirements, marking, testing and evaluation of conformity (EN 13101:2002)

### HZN/TO 557, *Zaštitna odjeća*

- **umjesto**

HRN EN ISO 20471:2013/A1:2016  
Upozoravajuća odjeća **visoke vidljivosti** – Metode ispitivanja i zahtjevi (ISO 20471:2013/Amd 1:2016; EN ISO 20471:2013/A1:2016)  
High visibility clothing – Test methods and requirements (ISO 20471:2013/Amd 1:2016; EN ISO 20471:2013/A1:2016)

- **treba biti**

HRN EN ISO 20471:2013/A1:2016  
Upozoravajuća odjeća **uočljiva s velike udaljenosti** – Metode ispitivanja i zahtjevi (ISO 20471:2013/Amd 1:2016; EN ISO 20471:2013/A1:2016)  
High visibility clothing – Test methods and requirements (ISO 20471:2013/Amd 1:2016; EN ISO 20471:2013/A1:2016)

### HZN/TO 572, *Kruta oporabljena goriva*

- **umjesto**

HRN EN ISO 21644:2021  
Kruta oporabljena goriva – Metode određivanja sadržaja biomase (ISO 21644:2021; EN ISO 21644:2021)  
Solid recovered fuels – Methods for the determination of biomass content (ISO 21644:2021; EN ISO 21644:2021)

- **treba biti**

HRN EN ISO 21644:2021  
Kruta oporabljena goriva – Metode određivanja sadržaja biomase (ISO 21644:2021, **ispravljena verzija 2021-03**; EN ISO 21644:2021)  
Solid recovered fuels – Methods for the determination of biomass content (ISO 21644:2021, **Corrected version 2021-03**; EN ISO 21644:2021)

## 1.7 Naslovi objavljenih hrvatskih norma na hrvatskome jeziku

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

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

HRN EN ISO 5395-3:2014/A2:2018 en pr  
Oprema za vrtove i parkove – Sigurnosni zahtjevi za kosilice trave pogonjene motorom s unutrašnjim izgaranjem – 3. dio: Kosilice trave s rukovateljem koji sjedi na kosilici – Amandman 2: Zaštitno kućište reznog uređaja (ISO 5395-3:2013/Amd 2:2017; EN ISO 5395-3:2013/A2:2018)  
Garden equipment – Safety requirements for combustion-engine-powered lawnmowers – Part 3: Ride-on lawnmowers with seated operator – Amendment 2: Cutting means enclosure guards (ISO 5395-3:2013/Amd 2:2017; EN ISO 5395-3:2013/A2:2018)

## 1.10 Prijevodi hrvatskih normativnih dokumenata

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

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

HRN EN 14216:2015 hr-en pr-pp  
Cement – Sastav, specifikacije i kriteriji sukladnosti za posebne vrste cementata vrlo niske topline hidratacije (EN 14216:2015)  
Cement – Composition, specifications and conformity criteria for very low heat special cements (EN 14216:2015)

### HZN/TO 217, *Kozmetika*

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

HRN EN ISO 22716:2008 hr-en pr-pp  
Kozmetika – Dobra proizvođačka praksa (DPP) – Smjernice za dobru proizvođačku praksu (ISO 22716:2007, ispravljena verzija 2008-05-15; EN ISO 22716:2007)  
Cosmetics – Good Manufacturing Practices (GMP) – Guidelines on Good Manufacturing Practices (ISO 22716:2007, Corrected version 2008-05-15; EN ISO 22716:2007)

### HZN/TO 557, *Zaštitna odjeća*

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

HRN EN ISO 15025:2016 hr-en pr-pp  
Zaštitna odjeća – Zaštita od plamena – Metoda ispitivanja ograničenog širenja plamena (ISO 15025:2016; EN ISO 15025:2016)  
Protective clothing – Protection against flame – Method of test for limited flame spread (ISO 15025:2016; EN ISO 15025:2016)

HRN EN ISO 20471:2013 hr-en pr-pp  
Upozoravajuća odjeća uočljiva s velike udaljenosti – Metode ispitivanja i zahtjevi (ISO 20471:2013, ispravljena verzija 2013-06-01; EN ISO 20471:2013)  
High visibility clothing – Test methods and requirements (ISO 20471:2013, Corrected version 2013-06-01; EN ISO 20471:2013)

HRN EN ISO 20471:2013/A1:2016 hr-en pr-pp  
Upozoravajuća odjeća uočljiva s velike udaljenosti – Metode ispitivanja i zahtjevi (ISO 20471:2013/Amd 1:2016; EN ISO 20471:2013/A1:2016)  
High visibility clothing – Test methods and requirements (ISO 20471:2013/Amd 1:2016; EN ISO 20471:2013/A1:2016)

## 2 Rezultati međunarodne i europske normizacije

### Europska normizacija (CEN)

Oznaka norme	Naslov norme	ICS	Datum objave
CEN Guide 18	Gas appliances and fittings – Guidelines for the implementation of essential requirements of gas appliances regulation 2016/426/EU in European standards	91.140.40	2021-02
EN 143	Respiratory protective devices – Particle filters – Requirements, testing, marking	13.340.30	2021-02
EN 1366-4	Fire resistance tests for service installations – Part 4: Linear joint seals	13.220.50	2021-02
EN 1366-5	Fire resistance tests for service installations – Part 5: Service ducts and shafts	13.220.50; 91.060.40	2021-02
EN 12514/AC	Components for supply systems for consuming units with liquid fuels	27.060.10; 75.200	2021-02
EN 13423	Natural gas vehicles – Requirements for NGV workshops and the management of compressed natural gas (CNG) vehicles	43.020; 43.180; 75.200	2021-02
EN 13555	Flanges and their joints – Gasket parameters and test procedures relevant to the design rules for gasketed circular flange connections	23.040.60; 23.040.80	2021-02
EN 14387	Respiratory protective devices – Gas filter(s) and combined filter(s) – Requirements, testing, marking	13.340.30	2021-02
EN 15595/AC	Railway applications – Braking – Wheel slide protection	45.040	2021-02
EN 15624	Railway applications – Braking – Empty-loaded changeover devices	45.040	2021-02
EN 15625	Railway applications – Braking – Automatic variable load sensing devices	45.040	2021-02
CEN/TR 16234-2	e-Competence Framework (e-CF) – A common European Framework for ICT Professionals in all sectors – Part 2: User Guide	35.020	2021-02
CEN/TR 16234-3	e-Competence Framework (e-CF) – A common European Framework for ICT Professionals in all sectors – Part 3: Methodology	35.020	2021-02
CEN/TR 16234-4	e-Competence Framework (e-CF) – A common European Framework for ICT Professionals in all sectors – Part 4: Case Studies	35.020	2021-02
EN 17444	Doping prevention in sport – Good development and manufacturing practices aimed at preventing the presence of prohibited substances in food intended for sportspeople and food supplements	67.040	2021-02
EN 17450-1	Fixed firefighting systems – Water mist components – Part 1: Product characteristics and test methods for strainer and filter components	13.220.20	2021-02
CEN/TS 17496	Cooperative intelligent transport systems – Communication profiles	35.240.60	2021-02
CWA 17663	Measurement of Worker Satisfaction in Automated Systems – Methodology CEN Workshop Agreement	13.180	2021-02
EN ISO 3861	Rubber hoses and hose assemblies for sand and grit blasting – Specification (ISO 3861:2021)	25.220.10; 83.140.40	2021-02
EN ISO 4037-1	Radiological protection – X and gamma reference radiation for calibrating dosimeters and doserate meters and for determining their response as a function of photon energy – Part 1: Radiation characteristics and production methods (ISO 4037-1:2019)	17.240	2021-02

Oznaka norme	Naslov norme	ICS	Datum objave
EN ISO 4037-2	Radiological protection – X and gamma reference radiation for calibrating dosimeters and doserate meters and for determining their response as a function of photon energy – Part 2: Dosimetry for radiation protection over the energy ranges from 8 keV to 1,3 MeV and 4 MeV to 9 MeV (ISO 4037-2:2019)	17.240	2021-02
EN ISO 4037-3	Radiological protection – X and gamma reference radiation for calibrating dosimeters and doserate meters and for determining their response as a function of photon energy – Part 3: Calibration of area and personal dosimeters and the measurement of their response as a function of energy and angle of incidence (ISO 4037-3:2019)	17.240	2021-02
EN ISO 4037-4	Radiological protection – X and gamma reference radiation for calibrating dosimeters and doserate meters and for determining their response as a function of photon energy – Part 4: Calibration of area and personal dosimeters in low energy X reference radiation fields (ISO 4037-4:2019)	17.240	2021-02
EN ISO 5840-1	Cardiovascular implants – Cardiac valve prostheses – Part 1: General requirements (ISO 5840-1:2021)	11.040.40	2021-02
EN ISO 5840-2	Cardiovascular implants – Cardiac valve prostheses – Part 2: Surgically implanted heart valve substitutes (ISO 5840-2:2021)	11.040.40	2021-02
EN ISO 5840-3	Cardiovascular implants – Cardiac valve prostheses – Part 3: Heart valve substitutes implanted by transcatheter techniques (ISO 5840-3:2021)	11.040.40	2021-02
EN ISO 8299	Nuclear fuel technology – Determination of the isotopic and elemental uranium and plutonium concentrations of nuclear materials in nitric acid solutions by thermal-ionization mass spectrometry (ISO 8299:2019)	27.120.30	2021-02
EN ISO 8536-12	Infusion equipment for medical use – Part 12: Check valves for single use (ISO 8536-12:2021)	11.040.20	2021-02
EN ISO 9073-4	Nonwovens – Test methods – Part 4: Determination of tear resistance by the trapezoid procedure (ISO 9073-4:2021)	59.080.30	2021-02
EN ISO 9161	Uranium dioxide powder – Determination of apparent density and tap density (ISO 9161:2019)	27.120.30	2021-02
EN ISO 9463	Nuclear energy – Nuclear fuel technology – Determination of plutonium in nitric acid solutions by spectrophotometry (ISO 9463:2019)	27.120.30	2021-02
EN ISO 11127-1	Preparation of steel substrates before application of paints and related products – Test methods for non-metallic blast-cleaning abrasives – Part 1: Sampling (ISO 11127-1:2020)	25.220.10	2021-02
EN ISO 11127-2	Preparation of steel substrates before application of paints and related products – Test methods for non-metallic blast-cleaning abrasives – Part 2: Determination of particle size distribution (ISO 11127-2:2021)	25.220.10	2021-02
EN ISO 11127-3	Preparation of steel substrates before application of paints and related products – Test methods for non-metallic blast-cleaning abrasives – Part 3: Determination of apparent density (ISO 11127-3:2021)	25.220.10	2021-02
EN ISO 11127-5	Preparation of steel substrates before application of paints and related products – Test methods for non-metallic blast-cleaning abrasives – Part 5: Determination of moisture (ISO 11127-5:2020)	25.220.10	2021-02



Oznaka norme	Naslov norme	ICS	Datum objave
EN ISO 11357-4	Plastics – Differential scanning calorimetry (DSC) – Part 4: Determination of specific heat capacity (ISO 11357-4:2021)	83.080.01	2021-02
EN ISO 11929-1	Determination of the characteristic limits (decision threshold, detection limit and limits of the coverage interval) for measurements of ionizing radiation – Fundamentals and application – Part 1: Elementary applications (ISO 11929-1:2019)	17.240	2021-02
EN ISO 11929-2	Determination of the characteristics limits (decision threshold, detection limit and limits of the coverage interval) for measurements of ionizing radiation – Fundamentals and application – Part 2: Advanced applications (ISO 11929-2:2019)	17.240	2021-02
EN ISO 11929-3	Determination of the characteristic limits (decision threshold, detection limit and limits of the coverage interval) for measurements of ionizing radiation – Fundamentals and application – Part 3: Applications to unfolding methods (ISO 11929-3:2019)	17.240	2021-02
EN ISO 12807	Safe transport of radioactive materials – Leakage testing on packages (ISO 12807:2018)	13.280; 27.120.30	2021-02
EN ISO 13919-2	Electron and laser-beam welded joints – Requirements and recommendations on quality levels for imperfections – Part 2: Aluminium, magnesium and their alloys and pure copper (ISO 13919-2:2021)	25.160.40	2021-02
EN ISO 14146	Radiological protection – Criteria and performance limits for the periodic evaluation of dosimetry services (ISO 14146:2018)	13.280	2021-02
EN ISO 14644-17	Cleanrooms and associated controlled environments – Part 17: Particle deposition rate applications (ISO 14644-17:2021)	13.040.35	2021-02
EN ISO 14819-3	Intelligent transport systems – Traffic and travel information messages via traffic message coding – Part 3: Location referencing for Radio Data System – Traffic Message Channel (RDS-TMC) using ALERT-C (ISO 14819-3:2021)	03.220.20; 35.240.60	2021-02
EN ISO 15741	Paints and varnishes – Friction-reduction coatings for the interior of on- and offshore steel pipelines for non-corrosive gases (ISO 15741:2016)	87.020	2021-02
EN ISO 15854	Dentistry – Casting and baseplate waxes (ISO 15854:2021)	11.060.10	2021-02
EN ISO 16140-3	Microbiology of the food chain – Method validation – Part 3: Protocol for the verification of reference methods and validated alternative methods in a single laboratory (ISO 16140-3:2021)	07.100.30	2021-02
EN ISO 16793	Nuclear fuel technology – Guidelines for ceramographic preparation of UO <sub>2</sub> sintered pellets for microstructure examination (ISO 16793:2018)	27.120.30	2021-02
EN ISO 18256-1	Nuclear fuel technology – Dissolution of plutonium dioxide-containing materials – Part 1: Dissolution of plutonium dioxide powders (ISO 18256-1:2019)	27.120.30	2021-02
EN ISO 18256-2	Nuclear fuel technology – Dissolution of plutonium dioxide-containing materials – Part 2: Dissolution of MOX pellets and powders (ISO 18256-2:2019)	27.120.30	2021-02
EN ISO 18530	Health Informatics – Automatic identification and data capture marking and labelling – Subject of care and individual provider identification (ISO 18530:2021)	35.240.80	2021-02
EN ISO 18595	Resistance welding – Spot welding of aluminium and aluminium alloys – Weldability, welding and testing (ISO 18595:2021)	25.160.10	2021-02

Oznaka norme	Naslov norme	ICS	Datum objave
EN ISO 20046	Radiological protection – Performance criteria for laboratories using Fluorescence In Situ Hybridization (FISH) translocation assay for assessment of exposure to ionizing radiation (ISO 20046:2019)	13.280	2021-02
EN ISO 20566	Paints and varnishes – Determination of the scratch resistance of a coating system using a laboratory-scale car-wash (ISO 20566:2020)	43.020; 87.040	2021-02
CEN ISO/TR 21186-2	Cooperative intelligent transport systems (C-ITS) – Guidelines on the usage of standards – Part 2: Hybrid communications (ISO/TR 21186-2:2021)	01.120; 03.220.01; 35.240.60	2021-02
CEN ISO/TR 21186-3	Cooperative intelligent transport systems (C-ITS) – Guidelines on the usage of standards – Part 3: Security (ISO/TR 21186-3:2021)	01.120; 03.220.01; 35.240.60	2021-02
EN ISO 22081	Geometrical product specifications (GPS) – Geometrical tolerancing – General geometrical specifications and general size specifications (ISO 22081:2021)	17.040.40	2021-02
CEN ISO/TR 22100-1	Safety of machinery – Relationship with ISO 12100 – Part 1: How ISO 12100 relates to type-B and type-C standards (ISO/TR 22100-1:2021)	13.110	2021-02
EN ISO 22184	Milk and milk products – Determination of the sugar contents – High performance anion exchange chromatography with pulsed amperometric detection method (HPAEC-PAD) (ISO 22184:2021)	67.100.01	2021-02
EN ISO 22259	Conference systems – Equipment – Requirements (ISO 22259:2019)	91.040.10	2021-02
EN ISO 22579	Infant formula and adult nutritionals – Determination of fructans – High performance anion exchange chromatography with pulsed amperometric detection (HPAEC-PAD) after enzymatic treatment (ISO 22579:2020)	67.050	2021-02
EN ISO 24024-1	Plastics – Homopolymer and copolymer resins of vinyl chloride – Part 1: Designation system and basis for specifications (ISO 24024-1:2021)	83.080.20	2021-02
EN ISO 24024-2	Plastics – Homopolymer and copolymer resins of vinyl chloride – Part 2: Preparation of test samples and determination of properties (ISO 24024-2:2021)	83.080.20	2021-02
EN ISO 28057	Clinical dosimetry – Dosimetry with solid thermoluminescence detectors for photon and electron radiations in radiotherapy (ISO 28057:2019)	13.280	2021-02
EN ISO 52127-1	Energy performance of buildings – Building management system – Part 1: Module M10-12 (ISO 52127-1: 2021)	91.120.10	2021-02
CEN ISO/TR 52127-2	Energy performance of buildings – Building automation, controls and building management – Part 2: Explanation and justification of ISO 52127-1 (ISO/TR 52127-2:2021)	91.120.10	2021-02
EN ISO/ASTM 52950	Additive manufacturing – General principles – Overview of data processing (ISO/ASTM 52950:2021)	25.030	2021-02

## Europska normizacija (CENELEC)

Oznaka norme	Naslov norme	ICS	Datum objave
CLC/TS 50131-5-1	Alarm systems – Intrusion systems – Part 5-1: Interconnections – Requirements for wired Interconnection for I&HAS equipments located in supervised premises	13.320	2021-02
EN 50696	Contact Interface for Automated Connection Device	43.120	2021-02
EN IEC 60079-10-1	Explosive atmospheres – Part 10-1: Classification of areas – Explosive gas atmospheres (IEC 60079-10-1:2020)	29.260.20	2021-02
EN IEC 60305	Insulators for overhead lines with a nominal voltage above 1000 V – Ceramic or glass insulator units for AC systems – Characteristics of insulator units of the cap and pin type (IEC 60305:2021)	29.080.10; 29.240.20	2021-02
EN IEC 60336	Medical electrical equipment – X-ray tube assemblies for medical diagnosis – Focal spot dimensions and related characteristics (IEC 60336:2020)	11.040.50	2021-02
EN IEC 60352-7	Solderless connections – Part 7: Spring clamp connections – General requirements, test methods and practical guidance (IEC 60352-7:2020)	31.220.10	2021-02
EN IEC 60433	Insulators for overhead lines with a nominal voltage above 1000 V – Ceramic insulators for AC systems – Characteristics of insulator units of the long rod type (IEC 60433:2021)	29.080.10; 29.240.20	2021-02
EN IEC 60747-17/AC	Semiconductor devices – Part 17: Magnetic and capacitive coupler for basic and reinforced insulation (IEC 60747-17:2020/COR1:2021)	31.080.01; 31.080.99	2021-02
EN IEC 60794-1-2	Optical fibre cables – Part 1-2: Generic specification – Basic optical cable test procedures – General guidance (IEC 60794-1-2:2021)	33.180.10	2021-02
EN 60825-1/A11	Safety of laser products – Part 1: Equipment classification and requirements	13.110; 13.280; 31.260	2021-02
EN IEC 60947-1	Low-voltage switchgear and controlgear – Part 1: General rules (IEC 60947-1:2020)	29.130.20	2021-02
EN IEC 60947-3	Low-voltage switchgear and controlgear – Part 3: Switches, disconnectors, switch-disconnectors and fuse-combination units (IEC 60947-3:2020)	29.120.40; 29.130.20	2021-02
EN IEC 61058-2-1	Switches for appliances – Part 2-1: Particular requirements for cord switches (IEC 61058-2-1:2018)	29.120.40	2021-02
EN IEC 61058-2-4	Switches for appliances – Part 2-4: Particular requirements for independently mounted switches (IEC 61058-2-4:2018)	29.120.40	2021-02
EN IEC 61058-2-5	Switches for appliances – Part 2-5: Particular requirements for change-over selectors (IEC 61058-2-5:2018)	29.120.40	2021-02
EN IEC 61169-15	Radio-frequency connectors – Part 15: Sectional specification – RF coaxial connectors with inner diameter of outer conductor 4,13 mm (0,163 in) with threaded coupling – Characteristic impedance 50 $\Omega$ (type SMA) (IEC 61169-15:2021)	33.120.30	2021-02
EN IEC 61169-65	Radio-frequency connectors – Part 65: Sectional specification for RF coaxial connectors, 1,35 mm inner diameter of outer conductor, with screw-coupling, characteristic impedance 50 $\Omega$ (IEC 61169-65:2021)	33.120.30	2021-02
EN IEC 61300-3-30	Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 3-30: Examinations and measurements – Endface geometry of rectangular ferrule (IEC 61300-3-30:2020)	33.180.20	2021-02

Oznaka norme	Naslov norme	ICS	Datum objave
EN IEC 61300-3-53	Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 3-53: Examinations and measurements – Encircled angular flux (EAF) measurement method based on two-dimensional far field data from multimode waveguide (including fibre) (IEC 61300-3-53:2020)	33.180.20	2021-02
EN IEC 61563	Radiation protection instrumentation – Equipment for measuring the activity concentration of gamma-emitting radionuclides in foodstuffs (IEC 61563:2019)	13.280; 17.240	2021-02
EN IEC 61800-1	Adjustable speed electrical power drive systems – Part 1: General requirements – Rating specifications for low voltage adjustable speed DC power drive systems (IEC 61800-1:2021)	29.160.30; 29.200	2021-02
EN 61800-5-1/A11	Adjustable speed electrical power drive systems – Part 5-1: Safety requirements – Electrical, thermal and energy	29.160.30	2021-02
EN IEC 61828	Ultrasonics – Transducers – Definitions and measurement methods regarding focusing for the transmitted fields (IEC 61828:2020)	11.040.55; 11.040.60; 17.140.50	2021-02
EN IEC 62040-1/A11	Uninterruptible power systems (UPS) – Part 1: Safety requirements	29.160.40; 29.200	2021-02
EN IEC 62244	Radiation protection instrumentation – Installed radiation portal monitors (RPMs) for the detection of illicit trafficking of radioactive and nuclear materials (IEC 62244:2019)	13.280; 17.240	2021-02
EN 62477-1/A12	Safety requirements for power electronic converter systems and equipment – Part 1: General	29.200; 31.080.99	2021-02
EN IEC 62485-6	Safety requirements for secondary batteries and battery installations – Part 6: Safe operation of lithium-ion batteries in traction applications (IEC 62485-6:2021)	29.220.20; 29.220.30	2021-02
EN IEC 63047	Nuclear instrumentation – Data format for list mode digital data acquisition used in radiation detection and measurement (IEC 63047:2018 + COR1:2020)	17.240; 27.120.01; 35.240.99	2021-02
EN IEC 63115-2	Secondary cells and batteries containing alkaline or other non-acid electrolytes – Sealed nickel-metal hydride cells and batteries for use in industrial applications – Part 2: Safety (IEC 63115-2:2021)	29.220.30	2021-02
EN IEC 63138-2	Multi-channel radio-frequency connectors – Part 2: Sectional specification for MQ4 series circular connectors (IEC 63138-2:2020)	33.120.30	2021-02

## Europska normizacija (ETSI)

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 102600 V 7.9.0	Smart Cards – UICC-Terminal interface – Characteristics of the USB interface (Release 7)	35.240.15	2021-02
ETSI TS 102600 V 8.1.0	Smart Cards – UICC-Terminal interface – Characteristics of the USB interface (Release 8)	35.240.15	2021-02
ETSI TS 102600 V 9.1.0	Smart Cards – UICC-Terminal interface – Characteristics of the USB interface (Release 9)	35.240.15	2021-02
ETSI TS 102636-4-2 V 1.4.1	Intelligent Transport Systems (ITS) – Vehicular Communications – GeoNetworking – Part 4: Geographical addressing and forwarding for point-to-point and point-to-multipoint communications – Sub-part 2: Media-dependent functionalities for ITS-G5	35.240.60	2021-02
ETSI TS 102705 V 14.0.0	Smart Cards – UICC Application Programming Interface for Java Card for Contactless Applications (Release 14)	35.240.15	2021-02
ETSI TS 102705 V 15.0.0	Smart Cards – UICC Application Programming Interface for Java Card for Contactless Applications (Release 15)	35.240.15	2021-02
ETSI TS 102705 V 16.0.0	Smart Cards – UICC Application Programming Interface for Java Card for Contactless Applications (Release 16)	35.240.15	2021-02
ETSI TS 102705 V 17.0.0	Smart Cards – UICC Application Programming Interface for Java Card for Contactless Applications (Release 17)	35.240.15	2021-02
ETSI TS 103523-2 V 1.1.1	CYBER – Middlebox Security Protocol – Part 2: Transport layer MSP, profile for fine grained access control	33.040.99; 35.030	2021-02
ETSI TR 103554-2 V 1.1.1	Rail Telecommunications (RT) – Next Generation Communication System – Radio performance simulations and evaluations in rail environment – Part 2: New Radio (NR)	33.070.50	2021-02
ETSI TS 103666-1 V 15.5.0	Smart Secure Platform (SSP) – Part 1: General characteristics (Release 15)	35.240.15	2021-02
ETSI TS 103666-1 V 16.1.0	Smart Secure Platform (SSP) – Part 1: General characteristics (Release 16)	35.240.15	2021-02
ETSI TR 103674 V 1.1.1	SmartM2M – Artificial Intelligence and the oneM2M architecture	33.200	2021-02
ETSI TS 103813 V 15.0.0	Smart Secure Platform (SSP) – Test Specification, SPI interface (Release 15)	35.240.15	2021-02
ETSI TS 118103 V 3.13.0	oneM2M – Security solutions (oneM2M TS-0003 version 3.13.0 Release 3)	33.200	2021-02
ETSI TS 118106 V 3.6.2	oneM2M – Management Enablement (BBF) (oneM2M TS-0006 version 3.6.2 Release 3)	33.200	2021-02
ETSI TS 118124 V 3.2.2	oneM2M – OCF Interworking (oneM2M TS-0024 version 3.2.2 Release 3)	33.200	2021-02
ETSI TR 119460 V 1.1.1	Electronic Signatures and Infrastructures (ESI) – Survey of technologies and regulatory requirements for identity proofing for trust service subjects	33.040.01	2021-02
ETSI TS 126442 V 16.2.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Codec for Enhanced Voice Services (EVS) – ANSI C code (fixed-point) (3GPP TS 26.442 version 16.2.0 Release 16)	33.070.50	2021-02
ETSI TS 129509 V 16.6.1	5G – 5G System – Authentication Server Services – Stage 3 (3GPP TS 29.509 version 16.6.1 Release 16)	33.070.99	2021-02
ETSI TS 136101 V 14.17.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – User Equipment (UE) radio transmission and reception (3GPP TS 36.101 version 14.17.0 Release 14)	33.070.50; 33.070.99	2021-02

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 136101 V 15.13.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – User Equipment (UE) radio transmission and reception (3GPP TS 36.101 version 15.13.0 Release 15)	33.070.50; 33.070.99	2021-02
ETSI TS 136101 V 16.8.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – User Equipment (UE) radio transmission and reception (3GPP TS 36.101 version 16.8.0 Release 16)	33.070.50; 33.070.99	2021-02
ETSI TS 136133 V 13.21.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Requirements for support of radio resource management (3GPP TS 36.133 version 13.21.0 Release 13)	33.070.50; 33.070.99	2021-02
ETSI TS 136133 V 14.17.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Requirements for support of radio resource management (3GPP TS 36.133 version 14.17.0 Release 14)	33.070.50; 33.070.99	2021-02
ETSI TS 136133 V 15.12.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Requirements for support of radio resource management (3GPP TS 36.133 version 15.12.0 Release 15)	33.070.50; 33.070.99	2021-02
ETSI TS 136133 V 16.8.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Requirements for support of radio resource management (3GPP TS 36.133 version 16.8.0 Release 16)	33.070.50; 33.070.99	2021-02
ETSI TS 136211 V 15.12.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Physical channels and modulation (3GPP TS 36.211 version 15.12.0 Release 15)	33.070.50	2021-02
ETSI TS 136211 V 16.4.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Physical channels and modulation (3GPP TS 36.211 version 16.4.0 Release 16)	33.070.50	2021-02
ETSI TS 136213 V 15.12.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Physical layer procedures (3GPP TS 36.213 version 15.12.0 Release 15)	33.070.50	2021-02
ETSI TS 136213 V 16.4.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Physical layer procedures (3GPP TS 36.213 version 16.4.0 Release 16)	33.070.50	2021-02
ETSI TS 136521-1 V 16.7.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – User Equipment (UE) conformance specification – Radio transmission and reception – Part 1: Conformance testing (3GPP TS 36.521-1 version 16.7.0 Release 16)	33.070.50	2021-02
ETSI TS 136521-3 V 16.7.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – User Equipment (UE) conformance specification – Radio transmission and reception – Part 3: Radio Resource Management (RRM) conformance testing (3GPP TS 36.521-3 version 16.7.0 Release 16)	33.070.50	2021-02
ETSI TS 136523-1 V 16.7.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Packet Core (EPC) – User Equipment (UE) conformance specification – Part 1: Protocol conformance specification (3GPP TS 36.523-1 version 16.7.0 Release 16)	33.070.50	2021-02
ETSI TS 138133 V 15.12.0	5G – NR – Requirements for support of radio resource management (3GPP TS 38.133 version 15.12.0 Release 15)	33.070.99	2021-02
ETSI TS 138133 V 16.6.0	5G – NR – Requirements for support of radio resource management (3GPP TS 38.133 version 16.6.0 Release 16)	33.070.99	2021-02

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 138508-1 V 16.6.0	5G – 5GS – User Equipment (UE) conformance specification – Part 1: Common test environment (3GPP TS 38.508-1 version 16.6.0 Release 16)	33.070.99	2021-02
ETSI TS 138521-1 V 16.6.0	5G – NR – User Equipment (UE) conformance specification – Radio transmission and reception – Part 1: Range 1 standalone (3GPP TS 38.521-1 version 16.6.0 Release 16)	33.070.99	2021-02
ETSI TS 138521-2 V 16.6.0	5G – NR – User Equipment (UE) conformance specification – Radio transmission and reception – Part 2: Range 2 standalone (3GPP TS 38.521-2 version 16.6.0 Release 16)	33.070.99	2021-02
ETSI TS 138523-1 V 16.6.0	5G – 5GS – User Equipment (UE) conformance specification – Part 1: Protocol (3GPP TS 38.523-1 version 16.6.0 Release 16)	33.070.99	2021-02
ETSI TS 138523-3 V 15.10.0	5G – 5GS – User Equipment (UE) conformance specification – Part 3: Protocol Test Suites (3GPP TS 38.523-3 version 15.10.0 Release 15)	33.070.99	2021-02
ETSI TS 138533 V 16.6.0	5G – NR – User Equipment (UE) conformance specification – Radio Resource Management (RRM) (3GPP TS 38.533 version 16.6.0 Release 16)	33.070.99	2021-02
ETSI TS 183036 V 3.7.1	Core Network and Interoperability Testing (INT) – ISDN/SIP interworking – Protocol specification	33.040.99	2021-02
ETSI ES 203700 V 1.1.1	Environmental Engineering (EE) – Sustainable power feeding solutions for 5G network	33.040.01	2021-02
ETSI GS CIM 009 V 1.4.1	Context Information Management (CIM) – NGSI-LD API	35.240.01	2021-02
ETSI GR E4P 002 V 1.1.1	Europe for Privacy-Preserving Pandemic Protection (E4P) – Comparison of existing pandemic contact tracing systems	13.200; 33.200; 35.240.99	2021-02
ETSI GR F5G 002 V 1.1.1	Fifth Generation Fixed Network (F5G) – F5G Use Cases Release #1	33.070.99	2021-02
ETSI GR PDL 004 V 1.1.1	Permissioned Distributed Ledgers (PDL) – Smart Contracts – System Architecture and Functional Specification	35.240.99	2021-02
EN 301489-4 V 3.3.1	ElectroMagnetic Compatibility (EMC) standard for radio equipment and services – Part 4: Specific conditions for fixed radio links and ancillary equipment – Harmonised Standard for ElectroMagnetic Compatibility	33.060.20; 33.100.10	2021-02
EN 302099 V 2.2.1	Environmental Engineering (EE) – Powering of equipment in access network	33.040.01	2021-02
EN 303699 V 1.1.1	Satellite Earth Stations and Systems (SES) – Fixed earth stations communicating with non-geostationary satellite systems in the 20 GHz and 30 GHz FSS bands – Harmonised Standard for access to radio spectrum	33.060.30	2021-02

## Međunarodna normizacija (ISO)

Oznaka norme	Naslov norme	ICS	Datum objave
ISO 1628-1	Plastics – Determination of the viscosity of polymers in dilute solution using capillary viscometers – Part 1: General principles	83.080.01	2021-02
ISO 3008-4	Fire resistance tests – Door and shutter assemblies – Part 4: Linear joint fire seal materials used to seal the gap between a fire door frame and the supporting construction	13.220.50; 91.060.50	2021-02
ISO 4156-1	Straight cylindrical involute splines – Metric module, side fit – Part 1: Generalities	21.120.30	2021-02
ISO 4156-2	Straight cylindrical involute splines – Metric module, side fit – Part 2: Dimensions	21.120.30	2021-02
ISO 4156-3	Straight cylindrical involute splines – Metric module, side fit – Part 3: Inspection	21.120.30	2021-02
ISO/TR 4808	Hydraulic fluid power – Interpolation method for particle count and filter test data	23.100.60	2021-02
ISO/TR 4813	Hydraulic fluid power – Background, impact and use of ISO 11171:2020 on particle count and filter test data	23.100.60	2021-02
ISO 4823	Dentistry – Elastomeric impression and bite registration materials	11.060.10	2021-02
ISO 6166	Financial services – International securities identification number (ISIN)	03.060	2021-02
ISO 6489-3	Agricultural vehicles – Mechanical connections between towed and towing vehicles – Part 3: Tractor drawbar	65.060.10	2021-02
ISO 6540	Maize – Determination of moisture content (on milled grains and on whole grains)	67.060	2021-02
ISO 6721-3	Plastics – Determination of dynamic mechanical properties – Part 3: Flexural vibration – Resonance-curve method	83.080.01	2021-02
ISO 6914	Rubber, vulcanized or thermoplastic – Determination of ageing characteristics by measurement of stress relaxation in tension	83.060	2021-02
ISO 6969 AMD 1	Road vehicles – Sound signalling devices – Tests after mounting on vehicle; Amendment 1	43.040.20	2021-02
ISO 7425-1	Hydraulic fluid power cylinders – Dimensions and tolerances of housings for elastomer-energized, plastic-faced seals – Part 1: Piston seal housings	23.100.20	2021-02
ISO 7425-2	Hydraulic fluid power cylinders – Dimensions and tolerances of housings for elastomer-energized, plastic-faced seals – Part 2: Rod seal housings	23.100.20	2021-02
ISO 7840	Small craft – Fire-resistant fuel hoses	47.080	2021-02
ISO 7989-2	Steel wire and wire products – Non-ferrous metallic coatings on steel wire – Part 2: Zinc or zinc-alloy coating	25.220.40; 77.140.65	2021-02
ISO 8469	Small craft – Non-fire-resistant fuel hoses	47.080	2021-02
ISO 8536-12	Infusion equipment for medical use – Part 12: Check valves for single use	11.040.20	2021-02
ISO 11296-4 AMD 1	Plastics piping systems for renovation of underground non-pressure drainage and sewerage networks – Part 4: Lining with cured-in-place pipes – Amendment 1: Updated definitions, marking requirements and procedure for alternative expression of flexural test results	23.040.20; 23.040.45; 91.140.80; 93.030	2021-02
ISO 11357-4	Plastics – Differential scanning calorimetry (DSC) – Part 4: Determination of specific heat capacity	83.080.01	2021-02



Oznaka norme	Naslov norme	ICS	Datum objave
ISO 11357-8	Plastics – Differential scanning calorimetry (DSC) – Part 8: Determination of thermal conductivity	83.080.01	2021-02
ISO 11443	Plastics – Determination of the fluidity of plastics using capillary and slit-die rheometers	83.080.01	2021-02
ISO/TR 11633-2	Health informatics – Information security management for remote maintenance of medical devices and medical information systems – Part 2: Implementation of an information security management system (ISMS)	35.240.80	2021-02
ISO 11839	Machinery for forestry – Thrown object guard – Test method and performance criteria	65.060.80	2021-02
ISO 12004-2	Metallic materials – Determination of forming-limit curves for sheet and strip – Part 2: Determination of forming-limit curves in the laboratory	77.040.10	2021-02
ISO 12133	Small craft – Carbon monoxide (CO) detection systems and alarms	47.080	2021-02
ISO 12167-2	Plain bearings – Hydrostatic plain journal bearings with drainage grooves under steady-state conditions – Part 2: Characteristic values for the calculation of oil-lubricated plain journal bearings with drainage grooves	21.100.10	2021-02
ISO 13688 AMD 1	Protective clothing – General requirements; Amendment 1	13.340.10	2021-02
ISO 14053	Environmental management – Material flow cost accounting – Guidance for phased implementation in organizations	13.020.20	2021-02
ISO 14091	Adaptation to climate change – Guidelines on vulnerability, impacts and risk assessment	13.020.30; 13.020.40	2021-02
ISO 14132-3	Optics and photonics – Vocabulary for telescopic systems – Part 3: Terms for telescopic sights	01.040.37; 37.020	2021-02
ISO 14135-1	Optics and photonics – Specifications for telescopic sights – Part 1: General-purpose instruments	37.020	2021-02
ISO 14135-2	Optics and photonics – Specifications for telescopic sights – Part 2: High-performance instruments	37.020	2021-02
ISO 14490-10	Optics and photonics – Test methods for telescopic systems – Part 10: Test methods for axial colour performance	37.020	2021-02
ISO 14644-17	Cleanrooms and associated controlled environments – Part 17: Particle deposition rate applications	13.040.35	2021-02
ISO 14819-2	Intelligent transport systems – Traffic and travel information messages via traffic message coding – Part 2: Event and information codes for Radio Data System-Traffic Message Channel (RDS-TMC) using ALERT-C	03.220.20; 35.240.60	2021-02
ISO 14819-3	Intelligent transport systems – Traffic and travel information messages via traffic message coding – Part 3: Location referencing for Radio Data System-Traffic Message Channel (RDS-TMC) using ALERT-C	03.220.20; 35.240.60	2021-02
ISO 15000-1	Electronic business eXtensible Markup Language (eXML) – Part 1: Messaging service core specification	35.040.50	2021-02
ISO 15000-2	Electronic business eXtensible Markup Language (eXML) – Part 2: Applicability Statement (AS) profile of eXML messaging service	35.040.50	2021-02
ISO 15364	Ships and marine technology – Pressure-vacuum valves for cargo tanks and devices to prevent the passage of flame into cargo tanks	47.020.30	2021-02

Oznaka norme	Naslov norme	ICS	Datum objave
ISO 15372 AMD 1	Ships and marine technology – Inflatable rescue boats – Coated fabrics for inflatable chambers – Amendment 1: Oil-resistance test	47.080	2021-02
ISO 15632	Microbeam analysis – Selected instrumental performance parameters for the specification and checking of energy-dispersive X-ray spectrometers (EDS) for use with a scanning electron microscope (SEM) or an electron probe microanalyser (EPMA)	71.040.99	2021-02
ISO 15663	Petroleum, petrochemical and natural gas industries – Life cycle costing	75.020	2021-02
ISO 16790	Plastics – Determination of drawing characteristics of thermoplastics in the molten state	83.080.20	2021-02
ISO 17130	Leather – Physical and mechanical tests – Determination of dimensional change	59.140.30	2021-02
ISO 17190-2	Urine-absorbing aids for incontinence – Polyacrylate superabsorbent powders – Part 2: Test method for determination of the amount of residual acrylate monomers	11.180.20	2021-02
ISO 17225-3	Solid biofuels – Fuel specifications and classes – Part 3: Graded wood briquettes	27.190; 75.160.40	2021-02
ISO 17225-4	Solid biofuels – Fuel specifications and classes – Part 4: Graded wood chips	27.190; 75.160.40	2021-02
ISO 17226-1	Leather – Chemical determination of formaldehyde content – Part 1: Method using high-performance liquid chromatography	59.140.30	2021-02
ISO 17279-3	Welding – Micro joining of second generation high temperature superconductors – Part 3: Test methods for joints	25.160.01	2021-02
ISO 17420-6	Respiratory protective devices – Performance requirements – Part 6: Special application escape – Filtering RPD and supplied breathable gas RPD	13.340.30	2021-02
ISO 17420-7	Respiratory protective devices – Performance requirements – Part 7: Special application marine, mining, welding, and abrasive blasting – Filtering RPD and supplied breathable gas RPD	13.340.30	2021-02
ISO 17664-2	Processing of health care products – Information to be provided by the medical device manufacturer for the processing of medical devices – Part 2: Non-critical medical devices	11.080.01	2021-02
ISO 17677-1	Resistance welding – Vocabulary – Part 1: Spot, projection and seam welding	01.040.25; 25.160.10	2021-02
ISO 19135-1 AMD 1	Geographic information – Procedures for item registration – Part 1: Fundamentals; Amendment 1	35.240.70	2021-02
ISO 19290	Cigarettes – Determination of tobacco specific nitrosamines in mainstream cigarette smoke – Method using LC-MS/MS	65.160	2021-02
ISO 19626-2	Processes, data elements and documents in commerce, industry and administration – Trusted communication platform for electronic documents – Part 2: Applications	35.240.63	2021-02
ISO 19734	Eye and face protection – Guidance on selection, use and maintenance	13.340.20	2021-02
ISO 19918 AMD 1	Protective clothing – Protection against chemicals – Measurement of cumulative permeation of chemicals with low vapour pressure through materials – Amendment 1: Extraction and chemical analysis	13.340.10	2021-02
ISO 20397-2	Biotechnology – Massively parallel sequencing – Part 2: Quality evaluation of sequencing data	07.080	2021-02

Oznaka norme	Naslov norme	ICS	Datum objave
ISO 20893	Space systems – Detailed space debris mitigation requirements for launch vehicle orbital stages	49.140	2021-02
ISO 20957-6	Stationary training equipment – Part 6: Treadmills, additional specific safety requirements and test methods	97.220.30	2021-02
ISO/TR 21186-2	Cooperative intelligent transport systems (C-ITS) – Guidelines on the usage of standards – Part 2: Hybrid communications	01.120; 03.220.01; 35.240.60	2021-02
ISO/TR 21186-3	Cooperative intelligent transport systems (C-ITS) – Guidelines on the usage of standards – Part 3: Security	01.120; 03.220.01; 35.240.60	2021-02
ISO 21187	Milk – Quantitative determination of microbiological quality – Guidance for establishing and verifying a conversion relationship between results of an alternative method and anchor method results	07.100.30; 67.100.01	2021-02
ISO 21191	Equipment for crop protection – Closed transfer systems (CTS) – Performance specification	65.060.40	2021-02
ISO 21612	Road vehicles – Crosstalk determination for multi-axis load cell	43.020	2021-02
ISO 21656	Solid recovered fuels – Determination of ash content	75.160.10	2021-02
ISO 21766	Tobacco and tobacco products – Determination of tobacco-specific nitrosamines in tobacco products – Method using LC-MS/MS	65.160	2021-02
ISO/TR 21808	Guidance on the selection, use, care and maintenance of personal protective equipment (PPE) designed to provide protection for firefighters	13.340.10	2021-02
ISO 21820	Fine ceramics (advanced ceramics, advanced technical ceramics) – Ultraviolet photoluminescence image test method for analysing polytypes of boron- and nitrogen-doped SiC crystals	81.060.30	2021-02
ISO 21901	Thermal insulation – Test method for thermal diffusivity – Periodic heat method	27.220	2021-02
ISO 21912	Solid recovered fuels – Safe handling and storage of solid recovered fuels	75.160.10	2021-02
ISO 21978	Heat pump water heater – Testing and rating at part load conditions and calculation of seasonal coefficient of performance for space heating	27.080	2021-02
ISO 22081	Geometrical product specifications (GPS) – Geometrical tolerancing – General geometrical specifications and general size specifications	17.040.40	2021-02
ISO 22145	Fertilizers and soil conditioners – Mineral soil amendments – Determination of total calcium and magnesium content	65.080	2021-02
ISO 22166-1	Robotics – Modularity for service robots – Part 1: General requirements	25.040.30	2021-02
ISO 22181	Aerospace fluid systems and components – Variable displacement hydraulic motors – General specifications	49.080	2021-02
ISO 22184	Milk and milk products – Determination of the sugar contents – High performance anion exchange chromatography with pulsed amperometric detection method (HPAEC-PAD)	67.100.01	2021-02
ISO 22185-1	Diagnosing moisture damage in buildings and implementing countermeasures – Part 1: Principles, nomenclature and moisture transport mechanisms	91.040.01	2021-02
ISO 22300	Security and resilience – Vocabulary	01.040.03; 03.100.01	2021-02

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ISO 22848	Corrosion of metals and alloys – Test method for measuring the stress corrosion crack growth rate of steels and alloys under static-load conditions in high-temperature water	77.060	2021-02
ISO 22863-6	Fireworks – Test methods for determination of specific chemical substances – Part 6: Zirconium with a particle size of less than 40 µm by inductively coupled plasma optical emission spectrometry (ICP-OES)	71.100.30	2021-02
ISO 22863-7	Fireworks – Test methods for determination of specific chemical substances – Part 7: Chlorates content by chemical titration analysis	71.100.30	2021-02
ISO 22863-8	Fireworks – Test methods for determination of specific chemical substances – Part 8: Arsenic content by hydride generation atomic fluorescence spectrometry	71.100.30	2021-02
ISO 22863-9	Fireworks – Test methods for determination of specific chemical substances – Part 9: Mercury content by hydride generation atomic fluorescence spectrometry	71.100.30	2021-02
ISO 22863-10	Fireworks – Test methods for determination of specific chemical substances – Part 10: Nitrogen content in nitrocellulose by iron(II) sulfate titration	71.100.30	2021-02
ISO 23066	Vocabulary related to rattan materials and products	01.040.79; 79.040	2021-02
ISO 23234	Buildings and civil engineering works – Security – Planning of security measures in the built environment	91.040.01; 93.010	2021-02
ISO 23475-1	Testing method for steel tyre cord – Part 1: General requirements	77.140.65; 83.160.01	2021-02
ISO 23481	Tools for pressing – Cam driver plates	25.120.10	2021-02
ISO 23748 AMD 1	Aerospace series – O-ring grooves – Dimensions; Amendment 1	49.080; 49.100	2021-02
ISO 23875	Mining – Air quality control systems for operator enclosures – Performance requirements and test methods	13.040.30; 73.020	2021-02
ISO 23976	Plastics – Fast differential scanning calorimetry (FSC) – Chip calorimetry	83.080.01	2021-02
ISO 24024-1	Plastics – Homopolymer and copolymer resins of vinyl chloride – Part 1: Designation system and basis for specifications	83.080.20	2021-02
ISO 24024-2	Plastics – Homopolymer and copolymer resins of vinyl chloride – Part 2: Preparation of test samples and determination of properties	83.080.20	2021-02
ISO 24047	Plastics – Polyethylene (PE) and polypropylene (PP) thermoplastics – Determination of metal content by ICP-OES	83.080.20	2021-02
ISO 24076	Plastics – Polypropylene (PP) – Determination of isotactic index by low-resolution nuclear magnetic resonance spectrometry	83.080.20	2021-02
ISO 24090	Dried barberry – Specification and test methods	67.080.10	2021-02
ISO 24496	Office furniture – Office chairs – Methods for the determination of dimensions	97.140	2021-02
ISO 24620-3	Language resource management – Controlled human communication (CHC) – Part 3: Basic principles and methodology for controlled oral communication (COraCom)	01.140.20	2021-02
ISO 24627-3	Language resource management – Comprehensive Annotation Framework (ComAF) – Part 3: Diagrammatic semantic authoring (DSA)	01.020	2021-02

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ISO 25619-1	Geosynthetics – Determination of compression behaviour – Part 1: Compressive creep properties	59.080.70	2021-02
ISO 27587	Leather – Chemical tests – Determination of free formaldehyde in process auxiliaries	59.140.30	2021-02
ISO/TR 27922	Carbon dioxide capture – Overview of carbon dioxide capture technologies in the cement industry	13.020.40	2021-02
ISO 28080	Hardmetals – Abrasion tests for hardmetals	77.040.10; 77.160	2021-02
ISO/TS 30423	Human resource management – Compliance and ethics metrics cluster	03.100.30	2021-02
ISO 52127-1	Energy performance of buildings – Building management system – Part 1: Module M10-12	91.120.10	2021-02
ISO/TR 52127-2	Energy performance of buildings – Building automation, controls and building management – Part 2: Explanation and justification of ISO 52127-1	91.120.10	2021-02

## Međunarodna normizacija (IEC)

Oznaka norme	Naslov norme	ICS	Datum objave
IEC 60050-801 AMD 2	International Electrotechnical Vocabulary (IEV) – Part 801: Acoustics and electroacoustics; Amendment 2	01.040.17; 01.040.29; 17.140.01; 17.140.50; 29.020	2021-02
IEC 60050-801 AMD 3	International Electrotechnical Vocabulary (IEV) – Part 801: Acoustics and electroacoustics; Amendment 3	01.040.17; 01.040.29; 17.140.01; 17.140.50; 29.020	2021-02
IEC 60079-26	Explosive atmospheres – Part 26: Equipment with Separation Elements or combined Levels of Protection	29.260.20	2021-02
IEC/TS 60079-47	Explosive atmospheres – Part 47: Equipment protection by 2-wire intrinsically safe Ethernet concept (2-WISE)	29.260.20	2021-02
IEC 60194-1	Printed boards design, manufacture and assembly – Vocabulary – Part 1: Common usage in printed board and electronic assembly technologies	01.040.31; 31.180; 31.190	2021-02
IEC 60502-1	Power cables with extruded insulation and their accessories for rated voltages from 1 kV (Um = 1,2 kV) up to 30 kV (Um = 36 kV) – Part 1: Cables for rated voltages of 1 kV (Um = 1,2 kV) and 3 kV (Um = 3,6 kV)	29.060.20	2021-02
IEC 60584-3	Thermocouples – Part 3: Extension and compensating cables – Tolerances and identification system	17.200.20	2021-02
IEC 60669-2-1	Switches for household and similar fixed electrical installations – Part 2-1: Particular requirements – Electronic control devices	29.120.40	2021-02
IEC 60793-1-34	Optical fibres – Part 1-34: Measurement methods and test procedures – Fibre curl	33.180.10	2021-02
IEC 60793-2-40	Optical fibres – Part 2-40: Product specifications – Sectional specification for category A4 multimode fibres	33.180.10	2021-02
IEC 60794-1-211	Optical fibre cables – Part 1-211: Generic specification – Basic optical cable test procedures – Environmental test methods – Sheath shrinkage, method F11	33.180.10	2021-02
IEC 60840 Corrigendum 1	Power cables with extruded insulation and their accessories for rated voltages above 30 kV (Um = 36 kV) up to 150 kV (Um = 170 kV) – Test methods and requirements; Corrigendum 1	29.060.20	2021-02
IEC 60958-5	Digital audio interface – Part 5: Consumer application enhancement	33.160.01; 33.160.30	2021-02
IEC 60987	Nuclear power plants – Instrumentation and control important to safety – Hardware requirements	27.120.20	2021-02
IEC 61169-66	Radio-frequency connectors – Part 66: Sectional specification for RF coaxial connectors with 5 mm inner diameter of outer conductor, with quick-lock- or screw-coupling, characteristic impedance 50 (series 2,2-5)	33.120.30	2021-02
IEC 61188-6-1	Circuit boards and circuit board assemblies – Design and use – Part 6-1: Land pattern design – Generic requirements for land pattern on circuit boards	31.180; 31.190	2021-02
IEC 61188-6-2	Circuit boards and circuit board assemblies – Design and use – Part 6-2: Land pattern design – Description of land pattern for the most common surface mounted components (SMD)	31.180; 31.190	2021-02
IEC 61189-5-502	Test methods for electrical materials, printed board and other interconnection structures and assemblies – Part 5-502: General test methods for materials and assemblies – Surface Insulation Resistance (SIR) testing of assemblies	31.180	2021-02

Oznaka norme	Naslov norme	ICS	Datum objave
IEC 61189-5-601	Test methods for electrical materials, printed boards and other interconnection structures and assemblies – Part 5-601: General test methods for materials and assemblies – Reflow soldering ability test for solder joint, and reflow heat resistance test for printed boards	31.180	2021-02
IEC 61215-1	Terrestrial photovoltaic (PV) modules – Design qualification and type approval – Part 1: Test requirements	27.160	2021-02
IEC 61215-1-1	Terrestrial photovoltaic (PV) modules – Design qualification and type approval – Part 1-1: Special requirements for testing of crystalline silicon photovoltaic (PV) modules	27.160	2021-02
IEC 61215-1-2	Terrestrial photovoltaic (PV) modules – Design qualification and type approval – Part 1-2: Special requirements for testing of thin-film Cadmium Telluride (CdTe) based photovoltaic (PV) modules	27.160	2021-02
IEC 61215-1-3	Terrestrial photovoltaic (PV) modules – Design qualification and type approval – Part 1-3: Special requirements for testing of thin-film amorphous silicon based photovoltaic (PV) modules	27.160	2021-02
IEC 61215-1-4	Terrestrial photovoltaic (PV) modules – Design qualification and type approval – Part 1-4: Special requirements for testing of thin-film Cu(In,Ga)(S,Se) <sub>2</sub> based photovoltaic (PV) modules	27.160	2021-02
IEC 61215-2	Terrestrial photovoltaic (PV) modules – Design qualification and type approval – Part 2: Test procedures	27.160	2021-02
IEC 61300-2-14	Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 2-14: Tests – High optical power	33.180.20	2021-02
IEC 61760-3	Surface mounting technology – Part 3: Standard method for the specification of components for through-hole reflow (THR) soldering	31.020; 31.190	2021-02
IEC 61784-3	Industrial communication networks – Profiles – Part 3: Functional safety fieldbuses – General rules and profile definitions	25.040.40; 35.100.05; 35.160; 35.240.50	2021-02
IEC 61800-5-3	Adjustable speed electrical power drive systems – Part 5-3: Safety requirements – Functional, electrical and environmental requirements for encoders	13.110; 29.130.99; 29.160.30; 29.200	2021-02
IEC/TR 61850-90-13	Communication networks and systems for power utility automation – Part 90-13: Deterministic networking technologies	33.040.40; 33.200	2021-02
IEC 61869-13	Instrument transformers – Part 13: Stand-alone merging unit (SAMU)	17.220.20	2021-02
IEC 61924-2	Maritime navigation and radiocommunication equipment and systems – Integrated navigation systems (INS) – Part 2: Modular structure for INS – Operational and performance requirements, methods of testing and required test results	47.020.70	2021-02
IEC 61937-1	Digital audio – Interface for non-linear PCM Encoded audio bitstreams applying IEC 60958 – Part 1: General	33.160.30; 35.040.40	2021-02
IEC 62106-2	Radio data system (RDS) – VHF/FM sound broadcasting in the frequency range from 64,0 MHz to 108,0 MHz – Part 2: Message format: coding and definitions of RDS features	33.160.40; 33.170	2021-02

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IEC 62149-3 Corrigendum 1	Fibre optic active components and devices – Performance standards – Part 3: Modulator-integrated laser diode transmitters for 40-Gbit/s fibre optic transmission systems; Corrigendum 1	33.180.30	2021-02
IEC 62281 AMD 1	Safety of primary and secondary lithium cells and batteries during transport; Amendment 1	29.220.01; 29.220.10	2021-02
IEC 62281 Edition 4.1	Safety of primary and secondary lithium cells and batteries during transport	29.220.01; 29.220.10	2021-02
IEC 62372	Nuclear instrumentation – Housed scintillators – Test methods of light output and intrinsic resolution	17.240; 27.120.01	2021-02
IEC 62680-1-3	Universal serial bus interfaces for data and power – Part 1-3: Common components – USB Type-C Cable and Connector Specification	33.120.20; 33.120.30; 35.200	2021-02
IEC 62769-1	Field device integration (FDI) – Part 1: Overview	25.040.40; 35.100.05; 35.240.50	2021-02
IEC 62769-2	Field device integration (FDI) – Part 2: FDI Client	25.040.40; 35.100.05; 35.240.50	2021-02
IEC 62769-3	Field device integration (FDI) – Part 3: Server	25.040.40; 35.100.05; 35.240.50	2021-02
IEC 62769-4	Field device integration (FDI) – Part 4: FDI Packages	25.040.40; 35.100.05; 35.240.50	2021-02
IEC 62769-5	Field device integration (FDI) – Part 5: Information Model	25.040.40; 35.100.05; 35.240.50	2021-02
IEC 62769-6	Field device integration (FDI) – Part 6: Technology Mapping	25.040.40; 35.100.05; 35.240.50	2021-02
IEC 62769-7	Field device integration (FDI) – Part 7: Communication devices	25.040.40; 35.100.05; 35.240.50	2021-02
IEC 62769-150-1	Field device integration (FDI) – Part 150-1: Profiles – ISA100 WIRELESS	25.040.40; 35.100.05; 35.240.50	2021-02
IEC 62787	Concentrator photovoltaic (CPV) solar cells and cell on carrier (CoC) assemblies – qualification	27.160	2021-02
IEC/TS 62862-2-1	Solar thermal electric plants – Part 2-1: Thermal energy storage systems – Characterization of active, sensible systems for direct and indirect configurations	27.160	2021-02
IEC 62906-5-3	Laser display devices – Part 5-3: Measuring methods of image quality for laser projection display	31.260	2021-02
IEC/TR 62959	Optical fibre cables – Shrinkage effects on cable and cable element end termination – Guidance	33.180.10	2021-02
IEC/TS 63156	Photovoltaic systems – Power conversion equipment performance – Energy evaluation method	27.160	2021-02
IEC/TR 63226	Managing fire risk related to photovoltaic (PV) systems on buildings	27.160	2021-02
IEC/TR 63335	Nuclear power plants – Instrumentation and control systems, control rooms and electrical power systems – Specific features of small modular reactors and needs regarding standards	27.120.10; 27.120.20	2021-02
IEC/PAS 63343	Maritime navigation and radiocommunication equipment and systems – VHF data exchange system – Requirements and methods of testing for stations including ASM functionality	47.020.70; 47.060; 49.090	2021-02
ISO/IEC Guide 98-6	Uncertainty of measurement – Part 6: Developing and using measurement models	17.020	2021-02
ISO/IEC/IEEE 8802-3	Telecommunications and exchange between information technology systems – Requirements for local and metropolitan area networks – Part 3: Standard for Ethernet	35.110	2021-02



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ISO/IEC 10116 AMD 1	Information technology – Security techniques – Modes of operation for an n-bit block cipher – Amendment 1: CTR-ACPKM mode of operation	35.030	2021-02
ISO/IEC 11770-4 AMD 2	Information technology – Security techniques – Key management – Part 4: Mechanisms based on weak secrets – Amendment 2: Leakage-resilient password-authenticated key agreement with additional stored secrets	35.030	2021-02
ISO/IEC 14165-147	Information technology – Fibre channel – Part 147: Physical interfaces – 7 (FC-PI-7)	35.200	2021-02
ISO/IEC 18033-5 AMD 1	Information technology – Security techniques – Encryption algorithms – Part 5: Identity-based ciphers – Amendment 1: SM9 mechanism	35.030	2021-02
ISO/IEC 20008-2 AMD 1	Information technology – Security techniques – Anonymous digital signatures – Part 2: Mechanisms using a group public key; Amendment 1	35.030	2021-02
ISO/IEC 22123-1	Information technology – Cloud computing – Part 1: Vocabulary	01.040.35; 35.210	2021-02
ISO/IEC 23000-22 AMD 1	Information technology – Multimedia application format (MPEG-A) – Part 22: Multi-image application format (MIAF) – Amendment 1: Reference software and conformance for multi-image application format	35.040.40	2021-02
ISO/IEC 23090-3	Information technology – Coded representation of immersive media – Part 3: Versatile video coding	35.040.40	2021-02
ISO/IEC 23761	Digital publishing – EPUB accessibility – Conformance and discoverability requirements for EPUB publications	35.240.30	2021-02
ISO/IEC TS 27006-2	Requirements for bodies providing audit and certification of information security management systems – Part 2: Privacy information management systems	03.120.20; 35.030	2021-02
ISO/IEC TS 27110	Information technology, cybersecurity and privacy protection – Cybersecurity framework development guidelines	35.030	2021-02
ISO/IEC TR 33017	Information technology – Process assessment – Framework for assessor training	35.080	2021-02