

# 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 1514-1:2024 en pr  
Prirubnice i njihovi spojevi – Dimenzije brtvi za prirubnice s PN-oznakom – 1. dio: Nemetalne plosnate brtve s ili bez umetaka (EN 1514-1:2024)  
Flanges and their joints – Dimensions of gaskets for PN-designated flanges – Part 1: Non-metallic flat gaskets with or without inserts (EN 1514-1:2024)

HRN EN 12560-1:2024 en pr  
Prirubnice i njihovi spojevi – Dimenzije brtvi za prirubnice označene prema razredu – 1. dio: Nemetalne plosnate brtve sa ili bez umetaka (EN 12560-1:2024)  
Flanges and their joints – Dimensions of gaskets for Class-designated flanges – Part 1: Non-metallic flat gaskets with or without inserts (EN 12560-1:2024)

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

HRN ISO 2469:2024 en pr  
Papir, karton i pulpe – Mjerenje faktora sjajnosti difuznog svjetla (faktor difuzne reflektancije) (ISO 2469:2024)  
Paper, board and pulps – Measurement of diffuse radiance factor (diffuse reflectance factor) (ISO 2469:2024)

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

HRN EN 12259-14:2024 en pr  
Stabilni protupožarni sustavi – Dijelovi sustava za prskanje (sprinkler sustava) i sustava raspršene vode – 14. dio: Sprinkleri za stambene prostore (EN 12259-14:2020+A2:2024)  
Fixed firefighting systems – Components for sprinkler and water spray systems – Part 14: Sprinklers for residential applications (EN 12259-14:2020+A2:2024)

### HZN/TO 22, Cestovna vozila

HRN EN 17963:2024 en pr  
Vozila na prirodni plin – Postupci za punjenje vozila ukapljenim prirodnim plinom (UPP) (EN 17963:2024)  
Natural gas vehicles – LNG vehicle fuelling procedures (EN 17963:2024)

HRN ISO 22241-1:2024 en pr  
Dizelski motori – Sredstvo za smanjenje emisije dušikovih oksida (NOx) AUS 32 – 1. dio: Zahtjevi za kvalitetu (ISO 22241-1:2019)  
Diesel engines – NOx reduction agent AUS 32 – Part 1: Quality requirements (ISO 22241-1:2019)

HRN ISO 22241-1:2024/A1:2024 en pr  
Dizelski motori – Sredstvo za smanjenje emisije dušikovih oksida (NOx) AUS 32 – 1. dio: Zahtjevi za kvalitetu (ISO 22241-1:2019/Amd 1:2019)  
Diesel engines – NOx reduction agent AUS 32 – Part 1: Quality requirements (ISO 22241-1:2019/Amd 1:2019)

HRN ISO 22241-2:2024 en pr  
Dizelski motori – Sredstvo za smanjenje emisije dušikovih oksida (NOx) AUS 32 – 2. dio: Metode ispitivanja (ISO 22241-2:2019)  
Diesel engines – NOx reduction agent AUS 32 – Part 2: Test methods (ISO 22241-2:2019)

HRN ISO 22241-3:2024 en pr  
Dizelski motori – Sredstvo za smanjenje emisije dušikovih oksida (NOx) AUS 32 – 3. dio: Rukovanje, prijevoz i skladištenje (ISO 22241-3:2017)  
Diesel engines – NOx reduction agent AUS 32 – Part 3: Handling, transportation, and storage (ISO 22241-3:2017)

HRN ISO 22241-4:2024 en pr  
Dizelski motori – Sredstvo za smanjenje emisije dušikovih oksida (NOx) AUS 32 – 4. dio: Sučelje za punjenje (ISO 22241-4:2023)  
Diesel engines – NOx reduction agent AUS 32 – Part 4: Refilling interface (ISO 22241-4:2023)

HRN ISO 22241-5:2024 en pr  
Dizelski motori – Sredstvo za smanjenje emisije dušikovih oksida (NOx) AUS 32 – 5. dio: Sučelje za punjenje osobnih automobila (ISO 22241-5:2019)  
Diesel engines – NOx reduction agent AUS 32 – Part 5: Refilling interface for passenger cars (ISO 22241-5:2019)

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

HRN EN ISO 18497-1:2024 en pr  
Poljoprivredna mehanizacija i traktori – Sigurnost djelomično automatiziranih, poluautonomnih i autonomnih strojeva – 1. dio: Načela projektiranja strojeva i terminološki rječnik (ISO 18497-1:2024; EN ISO 18497-1:2024)  
Agricultural machinery and tractors – Safety of partially automated, semi-autonomous and autonomous machinery – Part 1: Machine design principles and vocabulary (ISO 18497-1:2024; EN ISO 18497-1:2024)

HRN EN ISO 18497-2:2024 en pr  
Poljoprivredna mehanizacija i traktori – Sigurnost djelomično automatiziranih, poluautonomnih i autonomnih strojeva – 2. dio: Načela projektiranja sustava zaštite od prepreka (ISO 18497-2:2024; EN ISO 18497-2:2024)  
Agricultural machinery and tractors – Safety of partially automated, semi-autonomous and autonomous machinery – Part 2: Design principles for obstacle protection systems (ISO 18497-2:2024; EN ISO 18497-2:2024)

HRN EN ISO 18497-3:2024 en pr  
Poljoprivredna mehanizacija i traktori – Sigurnost djelomično automatiziranih, poluautonomnih i autonomnih strojeva – 3. dio: Autonomne operativne zone (ISO 18497-3:2024; EN ISO 18497-3:2024)  
Agricultural machinery and tractors – Safety of partially automated, semi-autonomous and autonomous machinery – Part 3: Autonomous operating zones (ISO 18497-3:2024; EN ISO 18497-3:2024)

HRN EN ISO 18497-4:2024 en pr  
Poljoprivredna mehanizacija i traktori – Sigurnost djelomično automatiziranih, poluautonomnih i autonomnih strojeva – 4. dio: Metode verifikacije i načela validacije (ISO 18497-4:2024; EN ISO 18497-4:2024)  
Agricultural machinery and tractors – Safety of partially automated, semi-autonomous and autonomous machinery – Part 4: Verification methods and validation principles (ISO 18497-4:2024; EN ISO 18497-4:2024)

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

HRN EN ISO 13032:2024 en pr  
Naftni proizvodi – Određivanje male količine sumpora u motornim gorivima – Energijski disperzivna fluorescencijska spektrometrija rendgenskih zraka (ISO 13032:2024; EN ISO 13032:2024)  
Petroleum products – Determination of low concentration of sulfur in automotive fuels – Energy-dispersive X-ray fluorescence spectrometric method (ISO 13032:2024; EN ISO 13032:2024)

HRN EN 16942:2024 en pr  
Goriva – Identifikacija kompatibilnosti vozila – Grafički prikaz informacija za potrošače (EN 16942:2024)  
Fuels – Identification of vehicle compatibility – Graphical expression for consumer information (EN 16942:2024)

### HZN/TO 71, Beton

HRN EN 480-6:2024 en pr  
Dodaci betonu, mortu i mortu za injektiranje – Metode ispitivanja – 6. dio: Infracrvena analiza (EN 480-6:2024)  
Admixtures for concrete, mortar and grout – Test methods – Part 6: Infrared analysis (EN 480-6:2024)

## HZN/TO 120, *Koža i obuća*

HRN EN ISO 2419:2024 en pr  
Koža – Fizikalna i mehanička ispitivanja – Kondicioniranje uzorka i ispitnog komada (ISO 2419:2024; EN ISO 2419:2024)  
Leather – Physical and mechanical tests – Specimen and test piece conditioning (ISO 2419:2024; EN ISO 2419:2024)

HRN EN ISO 20701:2024 en pr  
Koža – Ispitivanje postojanosti obojenja – Postojanost obojenja na slinu (ISO 20701:2024; EN ISO 20701:2024)  
Leather – Tests for colour fastness – Colour fastness to saliva (ISO 20701:2024; EN ISO 20701:2024)

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

HRN EN ISO 80601-2-79:2024 en pr  
Medicinska električna oprema – Dio 2-79: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke opreme za potporu disanju kod poremećaja disanja (ISO 80601-2-79:2024; EN ISO 80601-2-79:2024)  
Medical electrical equipment – Part 2-79: Particular requirements for basic safety and essential performance of ventilatory support equipment for ventilatory impairment (ISO 80601-2-79:2024; EN ISO 80601-2-79:2024)

HRN EN ISO 80601-2-80:2024 en pr  
Medicinska električna oprema – Dio 2-80: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke opreme za potporu disanju kod respiratorne insuficijencije (ISO 80601-2-80:2024; EN ISO 80601-2-80:2024)  
Medical electrical equipment – Part 2-80: Particular requirements for basic safety and essential performance of ventilatory support equipment for ventilatory insufficiency (ISO 80601-2-80:2024; EN ISO 80601-2-80:2024)

## HZN/TO 135, *Nerazorna ispitivanja*

HRN EN ISO 19675:2024 en pr  
Nerazorno ispitivanje – Ultrazvučno ispitivanje – Specifikacija za radni etalon za ispitivanje višepretvorničkom tehnikom (ISO 19675:2017; EN ISO 19675:2024)  
Non-destructive testing – Ultrasonic testing – Specification for a calibration block for phased array testing (PAUT) (ISO 19675:2017; EN ISO 19675:2024)

## HZN/TO 147, *Kvaliteta vode*

HRN EN ISO 10705-3:2024 en pr  
Kvaliteta vode – Detekcija i brojenje bakteriofaga – 3. dio: Vrednovanje metoda koncentriranja bakteriofaga iz vode (ISO 10705-3:2003; EN ISO 10705-3:2024)  
Water quality – Detection and enumeration of bacteriophages – Part 3: Validation of methods for concentration of bacteriophages from water (ISO 10705-3:2003; EN ISO 10705-3:2024)

HRN EN ISO 15923-1:2024 en pr  
Kvaliteta vode – Određivanje odabranih parametara pomoću jedinstvenog sustava sa odvojenom analizom i spektrofotometrijskom detekcijom – 1. dio: Amonij, nitrat, nitrit, klorid, ortofosfat, sulfat i silikat (ISO 15923-1:2013; EN ISO 15923-1:2024)  
Water quality – Determination of selected parameters by discrete analysis systems – Part 1: Ammonium, nitrate, nitrite, chloride, orthophosphate, sulfate and silicate with photometric detection (ISO 15923-1:2013; EN ISO 15923-1:2024)

## HZN/TO 159, *Ergonomija*

HRN EN ISO 9241-5:2024 en pr  
Ergonomija interakcije čovjek-sustav – 5. dio: Raspored radne stanice i posturalni zahtjevi (ISO 9241-5:2024; EN ISO 9241-5:2024)  
Ergonomics of human-system interaction – Part 5: Workstation layout and postural requirements (ISO 9241-5:2024; EN ISO 9241-5:2024)

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

HRN EN 1888-3:2024 en pr  
Proizvodi za dojenčad i malu djecu – Dječja kolica – 3. dio: Sklopiva sportska kolica (EN 1888-3:2024)  
Child care articles – Wheeled child conveyances – Part 3: Pushchairs intended for leisure sport activities (EN 1888-3:2024)

## HZN/TO 221, *Geosintetici*

HRN EN ISO 13431:2024 en pr  
Geotekstil i proizvodi srođni s geotekstilom – Određivanje puzanja pri vlaklu i ponašanje pri slomu uslijed puzanja (ISO 13431:2024; EN ISO 13431:2024)  
Geotextiles and geotextile-related products – Determination of tensile creep and creep rupture behaviour (ISO 13431:2024; EN ISO 13431:2024)

## HZN/TO 503, *Metalni materijali*

HRN EN ISO 642:2024 en pr  
Čelik – Ispitivanje prokaljivosti čeonim gašenjem (ispitivanje prema Jominyu) (ISO 642:2024; EN ISO 642:2024)  
Steel – Hardenability test by end quenching (Jominy test) (ISO 642:2024; EN ISO 642:2024)

HRN EN ISO 643:2024 en pr  
Čelici – Mikrografsko određivanje prividne veličine zrna (ISO 643:2024; EN ISO 643:2024)  
Steels – Micrographic determination of the apparent grain size (ISO 643:2024; EN ISO 643:2024)

## HZN/TO 508, *Ambalaža i pakiranje*

HRN EN ISO 21898:2024 en pr  
Ambalaža – Prilagodljivi posredni spremnici za rasutu neopasnu robu (ISO 21898:2024; EN ISO 21898:2024)  
Packaging – Flexible intermediate bulk containers (FIBCs) for non-dangerous goods (ISO 21898:2024; EN ISO 21898:2024)

## HZN/TO 528, *Oprema za željeznice*

HRN EN 14587-2:2024 en pr  
Željeznički sustav – Infrastruktura – Elektrootporno zavarivanje novih tračnica – 2. dio: Zavarivanje tračnica kvalitete R200, R220, R260, R260Mn, R320Cr, R350HT, R350LHT, R370CrHT i R400HT pokretnim strojevima za zavarivanje na radištim izvan stabilnih postrojenja (EN 14587-2:2024)  
Railway applications – Infrastructure – Flash butt welding of new rails – Part 2: R200, R220, R260, R260Mn, R320Cr, R350HT, R350LHT, R370CrHT and R400HT grade rails by mobile welding machines at sites other than a fixed plant (EN 14587-2:2024)

HRI CEN/TR 17696:2024 en pr  
Željeznički sustav – Održavanje vozila – Upute za utvrđivanje i upravljanje komponentama kritičnima za sigurnost željezničkih vozila (CEN/TR 17696:2021)  
Railway applications – Vehicle Maintenance – Guide for identification and management of Safety Critical Components for railway vehicles (CEN/TR 17696:2021)

HRI CEN/TR 17792:2024 en pr  
Željeznički sustav – Parametri geometrije kontakta između kotača i tračnice – Tehnički izvještaj i popratne informacije o normi EN 15302 (CEN/TR 17792:2022)  
Railway Applications – Wheel-rail contact geometry parameters – Technical report and background information about EN 15302 (CEN/TR 17792:2022)

HRN EN ISO 24478:2024 en pr  
Željeznički sustav – Kočenje – Opći rječnik (ISO 24478:2023, uključujući ispravljenu verziju 2024-04; EN ISO 24478:2024)  
Railway applications – Braking – General vocabulary (ISO 24478:2023, including corrected version 2024-04; EN ISO 24478:2024)

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

HRN EN ISO 8028:2024 en pr  
Gumena i/ili plastična crijeva i crijevni uređaji za bezračno prskanje boje – Specifikacija (ISO 8028:2024; EN ISO 8028:2024)  
Rubber and/or plastics hoses and hose assemblies for airless paint spraying – Specification (ISO 8028:2024; EN ISO 8028:2024)

HRN EN 15346:2024 en pr  
Plastika – Reciklirana plastika – Karakterizacija poli(vinil-kloridnih) (PVC) reciklata (EN 15346:2024)  
Plastics – Recycled plastics – Characterization of poly(vinyl chloride) (PVC) recyclates (EN 15346:2024)

HRN EN 15347-1:2024 en pr  
Plastika – Sortirani plastični otpad – 1. dio: Opća karakterizacija (EN 15347-1:2024)  
Plastics – Sorted plastics wastes – Part 1: General characterisation (EN 15347-1:2024)

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

HRN EN 13880-3:2024 en pr  
Vruće brtvene mase – 3. dio: Metoda ispitivanja za određivanje prodiranja i povrata (elastičnosti) (EN 13880-3:2024)  
Hot applied joint sealants – Part 3: Test method for the determination of penetration and recovery (resilience) (EN 13880-3:2024)

HRN EN 13880-4:2024 en pr  
Vruće brtvene mase – 4. dio: Metoda ispitivanja za određivanje otpornosti na toplinu – Promjena vrijednosti prodiranja (EN 13880-4:2024)  
Hot applied joint sealants – Part 4: Test method for the characterization of heat resistance – Change in penetration value (EN 13880-4:2024)

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

HRN EN ISO 13351:2024 en pr  
Ventilatori – Dimenzije (ISO 13351:2024; EN ISO 13351:2024)  
Fans – Dimensions (ISO 13351:2024; EN ISO 13351:2024)

HRN EN ISO 16890-3:2024 en pr  
Zračni filtri za opću ventilaciju – 3. dio: Određivanje gravimetrijske učinkovitosti i otpora strujanju zraka u ovisnosti o prikupljenoj masi ispitne prašine (ISO 16890-3:2024; EN ISO 16890-3:2024)  
Air filters for general ventilation – Part 3: Determination of the gravimetric efficiency and the air flow resistance versus the mass of test dust captured (ISO 16890-3:2024; EN ISO 16890-3:2024)

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

HRN EN ISO 80369-2:2024 en pr  
Spojnice malog promjera za tekućine i plinove za primjenu u zdravstvu – 2. dio: Spojnici za respiratornu primjenu (ISO 80369-2:2024; EN ISO 80369-2:2024)  
Small-bore connectors for liquids and gases in healthcare applications – Part 2: Connectors for respiratory applications (ISO 80369-2:2024; EN ISO 80369-2:2024)

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

HRN EN 17955:2024 en pr  
Industrijski zaporni uređaji – Funkcionalna sigurnost automatskih sigurnosnih zapornih uređaja (EN 17955:2024)  
Industrial valves – Functional safety of safety-related automated valves (EN 17955:2024)

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

HRN EN ISO 7211-2:2024 en pr  
Tekstil – Metode analiza strukturnih parametara tkanina – 2. dio: Određivanje broja niti na jedinici duljine (ISO 7211-2:2024; EN ISO 7211-2:2024)  
Textiles – Methods for analysis of woven fabrics construction – Part 2: Determination of number of threads per unit length (ISO 7211-2:2024; EN ISO 7211-2:2024)

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

HRN EN 13445-5:2024 en pr  
Neložene tlačne posude – 5. dio: Pregled i ispitivanje (EN 13445-5:2021+A1:2024)  
Unfired pressure vessels – Part 5: Inspection and testing (EN 13445-5:2021+A1:2024)

HRN EN ISO 15995:2021/A1:2024 en pr  
Plinske boce – Specifikacije i ispitivanje ventila boca za UNP – Ručno pokretani ventili (ISO 15995:2021/Amd 1:2024; EN ISO 15995:2021/A1:2024)  
Gas cylinders – Specifications and testing of LPG cylinder valves – Manually operated (ISO 15995:2021/Amd 1:2024; EN ISO 15995:2021/A1:2024)

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

HRN EN 17882:2024 en pr  
Izbornost hrane – Barkodiranje DNK proizvoda od mesa sisavaca i ptica pomoću definiranih segmenata mitohondrijskog gena podjedinice 1 citokrom b i citokrom c oksidaze (EN 17882:2024)  
Food authenticity – DNA barcoding of meat derived from mammals and birds using defined mitochondrial cytochrome b and cytochrome c oxidase I gene segments (EN 17882:2024)

HRN EN ISO 22174:2024 en pr  
Mikrobiologija u lancu hrane – Lančana reakcija polimerazom (PCR) za dokazivanje i određivanje broja mikroorganizama – Opći zahtjevi i definicije (ISO 22174:2024; EN ISO 22174:2024)  
Microbiology of the food chain – Polymerase chain reaction (PCR) for the detection and quantification of microorganisms – General requirements and definitions (ISO 22174:2024; EN ISO 22174:2024)

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

HRN EN 13451-1:2024 en pr  
Oprema za bazene – 1. dio: Opći sigurnosni zahtjevi i metode ispitivanja za opremu ugrađenu u bazene za javnu uporabu (EN 13451-1:2020+A1:2024)  
Swimming pool equipment – Part 1: General safety requirements and test methods for equipment installed in pools for public use (EN 13451-1:2020+A1:2024)

HRN EN 15288-1:2024 en pr  
Bazeni za javnu uporabu – 1. dio: Sigurnosni zahtjevi za projektiranje (EN 15288-1:2018+A1:2024)  
Swimming pools for public use – Part 1: Safety requirements for design (EN 15288-1:2018+A1:2024)

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

HRN EN ISO 23611-5:2024 en pr  
Kvaliteta tla – Uzorkovanje beskralježnjaka u tlu – 5. dio: Uzorkovanje i izdvajanje makro beskralježnjaka (ISO 23611-5:2024; EN ISO 23611-5:2024)  
Soil quality – Sampling of soil invertebrates – Part 5: Sampling and extraction of soil macro-invertebrates (ISO 23611-5:2024; EN ISO 23611-5:2024)

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

HRN EN ISO/IEC 25059:2024 en pr  
Programsko inženjerstvo – Zahtjevi za kvalitetu i vrednovanje sustava i programskih proizvoda (SQuaRE) – Model kvalitete za sustave umjetne inteligencije (ISO/IEC 25059:2023; EN ISO/IEC 25059:2024)  
Software engineering – Systems and software Quality Requirements and Evaluation (SQuaRE) – Quality model for AI systems (ISO/IEC 25059:2023; EN ISO/IEC 25059:2024)

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

HRN EN 18031-1:2024 en pr  
Opći sigurnosni zahtjevi za radijsku opremu – 1. dio: Radijska oprema povezana internetom (EN 18031-1:2024)  
Common security requirements for radio equipment – Part 1: Internet connected radio equipment (EN 18031-1:2024)

HRN EN 18031-2:2024 en pr  
Opći sigurnosni zahtjevi za radijsku opremu – 2. dio: Obrada podataka radijske opreme, i to za radijsku opremu povezanu internetom, radijsku opremu u igračkama i nosivu radijsku opremu (EN 18031-2:2024)  
Common security requirements for radio equipment – Part 2: Radio equipment processing data, namely Internet connected radio equipment, childcare radio equipment, toys radio equipment and wearable radio equipment (EN 18031-2:2024)

HRN EN 18031-3:2024 en pr  
Opći sigurnosni zahtjevi za radijsku opremu – 3. dio: Radijska oprema povezana internetom za obradu virtualnog novca ili novčanih vrijednosti (EN 18031-3:2024)  
Common security requirements for radio equipment – Part 3: Internet connected radio equipment processing virtual money or monetary value (EN 18031-3:2024)

HRN EN ISO/IEC 27005:2024 en pr  
Informacijska sigurnost, kibernetička sigurnost i zaštita privatnosti – Smjernice za upravljanje rizikom informacijske sigurnosti (ISO/IEC 27005:2022; EN ISO/IEC 27005:2024)  
Information security, cybersecurity and privacy protection – Guidance on managing information security risks (ISO/IEC 27005:2022; EN ISO/IEC 27005:2024)

## HZN/TO E10, Fluidi za primjenu u elektrotehnici

HRN EN IEC 60422:2024 en pr  
Mineralna izolacijska ulja u električnoj opremi – Upute za nadzor i održavanje (IEC 60422:2024; EN IEC 60422:2024)  
Mineral insulating oils in electrical equipment – Supervision and maintenance guidance (IEC 60422:2024; EN IEC 60422:2024)

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

HRN EN IEC 62053-41:2024 en pr  
Oprema za mjerenje električne energije – Posebni zahtjevi – 41. dio: Statička brojila za istosmjernu struju (razreda 0,5 i 1) (IEC 62053-41:2021; EN IEC 62053-41:2024)  
Electricity metering equipment – Particular requirements – Part 41: Static meters for DC energy (classes 0,5 and 1) (IEC 62053-41:2021; EN IEC 62053-41:2024)

## HZN/TO E17, Sklopni i upravljački uređaji

HRN EN IEC 62271-200:2021/A1:2024 en pr  
Visokonaponska sklopna aparatura – 200. dio: Sklopna aparatura izmjenične struje s metalnim plaštem za nazivne napone iznad 1 kV do uključujući 52 kV (IEC 62271-200:2021/am1:2024; EN IEC 62271-200:2021/A1:2024)  
High-voltage switchgear and controlgear – Part 200: AC metal-enclosed switchgear and controlgear for rated voltages above 1 kV and up to and including 52 kV (IEC 62271-200:2021/am1:2024; EN IEC 62271-200:2021/A1:2024)

## HZN/TO E20, Električni kabeli

HRN EN IEC 60228:2024 en pr  
Vodiči za kabele (IEC 60228:2023; EN IEC 60228:2024)  
Conductors of insulated cables (IEC 60228:2023; EN IEC 60228:2024)

## HZN/TO E23, Električni instalacijski pribor

HRN EN 60670-22:2007/A11:2024 en pr  
Kutije i kućišta za električni pribor za kućanstvo i slične fiksne električne instalacije – 22. dio: Posebni zahtjevi za razvodne kutije i kućišta (EN 60670-22:2006/A11:2024)  
Boxes and enclosures for electrical accessories for household and similar fixed electrical installations – Part 22: Particular requirements for connecting boxes and enclosures (EN 60670-22:2006/A11:2024)

HRN EN 60670-22:2007/A1:2024 en pr  
Kutije i kućišta za električni pribor za kućanstvo i slične fiksne električne instalacije – 22. dio: Posebni zahtjevi za razvodne kutije i kućišta (IEC 60670-22:2003/am1:2015; EN 60670-22:2006/A1:2024)  
Boxes and enclosures for electrical accessories for household and similar fixed electrical installations – Part 22: Particular requirements for connecting boxes and enclosures (IEC 60670-22:2003/am1:2015; EN 60670-22:2006/A1:2024)

HRN EN IEC 61535:2024 en pr  
Instalacijske spojnice za trajni priključak u fiksnim instalacijama (IEC 61535:2023; EN IEC 61535:2024)  
Installation couplers intended for permanent connection in fixed installations (IEC 61535:2023; EN IEC 61535:2024)

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

HRN EN IEC 63128:2019/A1:2024 en pr  
Upravljačko sučelje za prigušivanje rasvjete – Analogno sučelje za prigušivanje napona za elektroničke strujne predspojne naprave (IEC 63128:2019/am1:2024; EN IEC 63128:2019/A1:2024)  
Lighting control interface for dimming – Analogue voltage dimming interface for electronic current sourcing controlgear (IEC 63128:2019/am1:2024; EN IEC 63128:2019/A1:2024)

## HZN/TO E37, Odvodnici prenapona

HRN EN IEC 61643-332:2024 en pr  
Komponente za niskonaponsku prenaponsku zaštitu – 332. dio: Odabir i primjena načela za metaloksidne varistore (MOV) (IEC 61643-332:2024; EN IEC 61643-332:2024)  
Components for low-voltage surge protection – Part 332: Selection and application principles for metal oxide varistors (MOV) (IEC 61643-332:2024; EN IEC 61643-332:2024)

## HZN/TO E55, Žice za namote

HRN EN 60317-8:2013/A1:2024 en pr  
Specifikacije pojedinih vrsta žica za namote – 8. dio: Okrugla bakrena žica lakirana poliestermidom, razreda 180 (IEC 60317-8:2010/am1:2024; EN 60317-8:2010/A1:2024)  
Specifications for particular types of winding wires – Part 8: Polyesterimide enamelled round copper wire, class 180 (IEC 60317-8:2010/am1:2024; EN 60317-8:2010/A1:2024)

HRN EN 60317-13:2013/A1:2024 en pr  
Specifikacije pojedinih vrsta žica za namote – 13. dio: Poliesterom ili poliestermidom lakirana okrugla bakrena žica, prekrivena poliamid-imidom, razreda 200 (IEC 60317-13:2010/am1:2024; EN 60317-13:2010/A1:2024)  
Specifications for particular types of winding wires – Part 13: Polyester or polyesterimide overcoated with polyamide-imide enamelled round copper wire, class 200 (IEC 60317-13:2010/am1:2024; EN 60317-13:2010/A1:2024)

HRN EN 60317-28:2014/A1:2024 en pr  
Specifikacije pojedinih vrsta žica za namote – 28. dio: Profilna bakrena žica lakirana poliestermidom, razreda 180 (IEC 60317-28:2013/am1:2024; EN 60317-28:2014/A1:2024)  
Specifications for particular types of winding wires – Part 28: Polyesterimide enamelled rectangular copper wire, class 180 (IEC 60317-28:2013/am1:2024; EN 60317-28:2014/A1:2024)

HRN EN 60317-57:2013/A1:2024 en pr  
Specifikacije pojedinih vrsta žica za namote – 57. dio: Okrugla bakrena žica lakirana poliamid-imidom, razreda 220 (IEC 60317-57:2010/am1:2024; EN 60317-57:2010/A1:2024)  
Specifications for particular types of winding wires – Part 57: Polyamide-imide enamelled round copper wire, class 220 (IEC 60317-57:2010/am1:2024; EN 60317-57:2010/A1:2024)

HRN EN 60317-58:2013/A1:2024 en pr  
Specifikacije pojedinih vrsta žica za namote – 58. dio: Profilna bakrena žica lakirana poliamid-imidom, razreda 220 (IEC 60317-58:2010/am1:2024; EN 60317-58:2010/A1:2024)  
Specifications for particular types of winding wires – Part 58: Polyamide-imide enamelled rectangular copper wire, class 220 (IEC 60317-58:2010/am1:2024; EN 60317-58:2010/A1:2024)

HRN EN 60317-59:2016/A1:2024 en pr  
Specifikacije pojedinih vrsta žica za namote – 59. dio: Okrugla bakrena žica lakirana poliamid-imidom, razreda 240 (IEC 60317-59:2015/am1:2024; EN 60317-59:2016/A1:2024)  
Specifications for particular types of winding wires – Part 59: Polyamide-imide enamelled round copper wire, class 240 (IEC 60317-59:2015/am1:2024; EN 60317-59:2016/A1:2024)

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

HRN EN IEC 61968-9:2024 en pr  
Integracija aplikacija u elektroprivredi – Sučelja za sustave upravljanja u distribuciji – 9. dio: Sučelje za očitavanje i upravljanje brojilima (IEC 61968-9:2024; EN IEC 61968-9:2024)  
Application integration at electric utilities – System interfaces for distribution management – Part 9: Interfaces for meter reading and control (IEC 61968-9:2024; EN IEC 61968-9:2024)

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

HRN EN IEC 61674:2024 en pr  
Medicinski električni uređaji – Dozimetri s ionizacijskim komorama i/ili poluvodičkim detektorima koji se upotrebljavaju u rendgenskoj dijagnostici (IEC 61674:2024; EN IEC 61674:2024)  
Medical electrical equipment – Dosimeters with ionization chambers and/or semiconductor detectors as used in X-ray diagnostic imaging (IEC 61674:2024; EN IEC 61674:2024)

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

HRN EN IEC 61987-32:2024 en pr  
Mjerenje i vođenje industrijskih procesa – Strukture podataka i elementi u katalozima procesne opreme – 32. dio: Popisi svojstava (LOP) za I/O module za elektroničku razmjenu podataka (IEC 61987-32:2024; EN IEC 61987-32:2024)  
Industrial-process measurement and control – Data structures and elements in process equipment catalogues – Part 32: Lists of properties (LOP) for I/O modules for electronic data exchange (IEC 61987-32:2024; EN IEC 61987-32:2024)

## HZN/TO E79, Alarmni sustavi

HRN EN IEC 62676-5-1:2024 en pr  
Sustavi videonadzora za uporabu u primjenama zaštite – Dio 5-1: Specifikacije podataka i svojstva kvalitete slike za uređaje kamere – Metode ispitivanja utjecaja okoliša na svojstva kvalitete slike (IEC 62676-5-1:2024; EN IEC 62676-5-1:2024)  
Video surveillance systems for use in security applications – Part 5-1: Data specifications and image quality performance for camera devices – Environmental test methods for image quality performance (IEC 62676-5-1:2024; EN IEC 62676-5-1:2024)

## HZN/TO E88, Vjetroagregati

HRN EN IEC 61400-8:2024 en pr  
Sustavi za proizvodnju energije iz vjetra – 8. dio: Projektiranje strukturnih komponenta vjetroagregata (IEC 61400-8:2024; EN IEC 61400-8:2024)  
Wind energy generation systems – Part 8: Design of wind turbine structural components (IEC 61400-8:2024; EN IEC 61400-8:2024)

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

HRN EN 50522:2022/A1:2024 en pr  
Uzemljenje električnih postrojenja nazivnih izmjeničnih napona iznad 1 kV (EN 50522:2022/A1:2024)  
Earthing of power installations exceeding 1 kV a.c. (EN 50522:2022/A1:2024)

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

HRN EN IEC 62631-3-12:2024 en pr  
Dielektrična svojstva i svojstva s obzirom na otpor čvrstih izolacijskih materijala – Dio 3-12: Određivanje svojstava s obzirom na otpor (metode istosmjerne struje) – Ukupan otpor i specifičan otpor – Metoda za smole za lijevanje (IEC 62631-3-12:2024; EN IEC 62631-3-12:2024)  
Dielectric and resistive properties of solid insulating materials – Part 3-12: Determination of resistive properties (DC methods) – Volume resistance and volume resistivity – Method for casting resins (IEC 62631-3-12:2024; EN IEC 62631-3-12:2024)

## HZN/TO E501, Elektroakustika i ultrazvuk

HRN EN IEC 63412-1:2024 en pr  
Ultrazvuk – Elastografija s posmičnim valom – 1. dio: Specifikacije korisničkog sučelja (IEC 63412-1:2024; EN IEC 63412-1:2024)  
Ultrasonics – Shear-wave elastography – Part 1: Specifications for the user interface (IEC 63412-1:2024; EN IEC 63412-1:2024)

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

HRN EN ISO 17895:2024 en pr  
Boje i lakovi – Određivanje sadržaja hlapljivih organskih tvari (VOC) – Metoda plinske kromatografije s ubrizgavanjem vršnih para (headspace) (ISO 17895:2024; EN ISO 17895:2024)  
Paints and varnishes – Determination of volatile organic compound (VOC) – Gas-chromatographic method with headspace injection for VOC determination (ISO 17895:2024; EN ISO 17895:2024)

HRN EN ISO 20427:2024 en pr  
Pigmenti i punila – Postupak dispergiranja za određivanje veličine lebdećih čestica pigmenta ili punila metodama sedimentacije u tekućem mediju (ISO 20427:2023; EN ISO 20427:2024)  
Pigments and extenders – Dispersion procedure for sedimentation-based particle sizing of suspended pigment or extender with liquid sedimentation methods (ISO 20427:2023; EN ISO 20427:2024)

## HZN/TU F1, Osnovne norme 1

HRN EN 1143-2:2024 en pr  
Jedinice za sigurno pohranjivanje – Zahtjevi, klasifikacija i metode ispitivanja otpornosti na provala – 2. dio: Depozitni sustavi (EN 1143-2:2024)  
Secure storage units – Requirements, classification and methods of tests for resistance to burglary – Part 2: Deposit systems (EN 1143-2:2024)

## HZN/TU I1, Strojstvo 1

HRN EN ISO 27548:2024 en pr  
Aдитivna proizvodnja plastičnih materijala – Zaštita okoliša, zdravlje i sigurnost – Metoda ispitivanja za određivanje stope emisije čestica i kemikalija iz stolnog 3D pisača za ekstruziju materijala (ISO 27548:2024; EN ISO 27548:2024)  
Additive manufacturing of plastics – Environment, health, and safety – Test method for determination of particle and chemical emission rates from desktop material extrusion 3D printer (ISO 27548:2024; EN ISO 27548:2024)

## HZN/TU N1, Nemetalni materijali 1

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

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

HRN EN ISO 6872:2024 en pr  
Stomatologija – Keramički materijali (ISO 6872:2024; EN ISO 6872:2024)  
Dentistry – Ceramic materials (ISO 6872:2024; EN ISO 6872:2024)

HRN EN ISO 23500-1:2024 en pr  
Priprema i upravljanje kvalitetom tekućina za hemodijalizu i srodne terapije – 1. dio: Opći zahtjevi (ISO 23500-1:2024; EN ISO 23500-1:2024)  
Preparation and quality management of fluids for haemodialysis and related therapies – Part 1: General requirements (ISO 23500-1:2024; EN ISO 23500-1:2024)

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

HRN EN 2467:2024 en pr  
Zrakoplovstvo – Čelik X2CrNi18-9 (1.4307) – Taljen na zraku – Omekšan – Ploča, lim i traka – 0,4 mm ≤ a ≤ 20 mm – 520 MPa ≤ Rm ≤ 670 MPa (EN 2467:2024)  
Aerospace series – Steel X2CrNi18-9 (1.4307) – Air melted – Softened – Plates, sheets and strips – 0,4 mm ≤ a ≤ 20 mm – 520 MPa ≤ Rm ≤ 670 MPa (EN 2467:2024)

HRN EN 2821:2024 en pr  
Zrakoplovstvo – Čelik X5CrNiCu15-5 (1.4545) – Pretopljen topljivom elektrodom – Tretiran otopinom i precipitatom – Šipke za strojnu obradu – a ili D ≤ 200 mm – Rm ≥ 1 310 MPa (EN 2821:2024)  
Aerospace series – Steel X5CrNiCu15-5 (1.4545) – Consumable electrode remelted – Solution treated and precipitation treated – Bars for machining – a or D ≤ 200 mm – Rm ≥ 1 310 MPa (EN 2821:2024)

HRN EN 3155-002:2024 en pr  
Zrakoplovstvo – Električni kontakti koji se upotrebljavaju u elementima za povezivanje – 002. dio: Popis upotrebe kontakta (EN 3155-002:2024)  
Aerospace series – Electrical contacts used in elements of connection – Part 002: List and utilization of contacts (EN 3155-002:2024)

HRN EN 3155-015:2019/A1:2024 en pr  
Zrakoplovstvo – Električni kontakti koji se upotrebljavaju u elementima za povezivanje – Dio 015: Kontakti, električni, ženski, tip A, za krimpanje, razreda S – Norma za proizvod (EN 3155-015:2019/A1:2024)  
Aerospace series – Electrical contacts used in elements of connection – Part 015: Contacts, electrical, female, type A, crimp, class S – Product standard (EN 3155-015:2019/A1:2024)

HRN EN 3361:2024 en pr  
Zrakoplovstvo – Čelik X5CrNiCu15 5 (1.4545) – Pretopljen elektrodom za zavarivanje – Tretiran otopinom i precipitatom – Lim i traka – a ≤ 6 mm – 1 070 MPa ≤ Rm ≤ 1 220 MPa (EN 3361:2024)  
Aerospace series – Steel X5CrNiCu15 5 (1.4545) – Consumable electrode remelted – Solution treated and precipitation treated – Sheets and strips – a ≤ 6 mm – 1 070 MPa ≤ Rm ≤ 1 220 MPa (EN 3361:2024)

HRN EN 3488:2024 en pr  
Zrakoplovstvo – Čelik X6CrNiTi18-10 (1.4541) – Taljen na zraku – Omekšan – Limovi i trake – a ≤ 6 mm – 500 MPa ≤ Rm ≤ 700 MPa (EN 3488:2024)  
Aerospace series – Steel X6CrNiTi18-10 (1.4541) – Air melted – Softened – Sheets and strips – a ≤ 6 mm – 500 MPa ≤ Rm ≤ 700 MPa (EN 3488:2024)

HRN EN 4258:2024 en pr  
Zrakoplovstvo – Metalni materijali – Opća organizacija normizacije – Veza između tipova europskih norma i njihova upotreba (EN 4258:2024)  
Aerospace series – Metallic materials – General organization of standardization – Link between types of European Standards and their use (EN 4258:2024)

HRN EN 4500-001:2024 en pr  
Zrakoplovstvo – Metalni materijali – Pravila za crtanje i prikazivanje norma za materijale – Dio 001: Opći zahtjevi (EN 4500-001:2024)  
Aerospace series – Metallic materials – Rules for drafting and presentation of material standards – Part 001: General rules (EN 4500-001:2024)

HRN EN 4500-002:2024 en pr  
Zrakoplovstvo – Metalni materijali – Pravila za crtanje i prikazivanje norma za materijale – Dio 002: Posebna pravila za aluminij, legura aluminija i legura magnezija (EN 4500-002:2024)  
Aerospace series – Metallic materials – Rules for drafting and presentation of material standards – Part 002: Specific rules for aluminium, aluminium alloys and magnesium alloys (EN 4500-002:2024)

HRN EN 4500-003:2024 en pr  
Zrakoplovstvo – Metalni materijali – Pravila za crtanje i prikazivanje norma za materijale – Dio 003: Posebna pravila za legure otporne na toplinu (EN 4500-003:2024)  
Aerospace series – Metallic materials – Rules for drafting and presentation of material standards – Part 003: Specific rules for heat resisting alloys (EN 4500-003:2024)

HRN EN 4500-004:2024 en pr  
Zrakoplovstvo – Metalni materijali – Pravila za crtanje i prikazivanje norma za materijale – Dio 004: Posebna pravila za titanij i legure titanija (EN 4500-004:2024)  
Aerospace series – Metallic materials – Rules for drafting and presentation of material standards – Part 004: Specific rules for titanium and titanium alloys (EN 4500-004:2024)

HRN EN 4500-005:2024 en pr  
Zrakoplovstvo – Metalni materijali – Pravila za crtanje i prikazivanje norma za materijale – Dio 005: Posebna pravila za čelike (EN 4500-005:2024)  
Aerospace series – Metallic materials – Rules for drafting and presentation of material standards – Part 005: Specific rules for steels (EN 4500-005:2024)

HRN EN 4500-006:2024 en pr  
Zrakoplovstvo – Metalni materijali – Pravila za crtanje i prikazivanje norma za materijale – Dio 006: Posebna pravila za dodatne metale za tvrdo lemljenje (EN 4500-006:2024)  
Aerospace series – Metallic materials – Rules for drafting and presentation of material standards – Part 006: Specific rules for filler metals for brazing (EN 4500-006:2024)

HRN EN 4630:2024 en pr  
Zrakoplovstvo – Čelik X4CrNiMo16-5-1 (1.4418) – Taljen na zraku – Poboľšan – Otkivci –  $De \leq 200 \text{ mm} - 900 \text{ MPa} \leq R_m \leq 1050 \text{ MPa}$  (EN 4630:2024)  
Aerospace series – Steel X4CrNiMo16-5-1 (1.4418) – Air melted – Hardened and tempered – Forgings –  $De \leq 200 \text{ mm} - 900 \text{ MPa} \leq R_m \leq 1050 \text{ MPa}$  (EN 4630:2024)

HRN EN 4631:2024 en pr  
Zrakoplovstvo – Čelik X4CrNiMo16-5-1 (1.4418) – Taljen na zraku – Poboľšan – Šipke –  $De \leq 200 \text{ mm} - 900 \text{ MPa} \leq R_m \leq 1050 \text{ MPa}$  (EN 4631:2024)  
Aerospace series – Steel X4CrNiMo16-5-1 (1.4418) – Air melted – Hardened and tempered – Bars –  $De \leq 200 \text{ mm} - 900 \text{ MPa} \leq R_m \leq 1050 \text{ MPa}$  (EN 4631:2024)

HRN EN 4641-301:2024 en pr  
Zrakoplovstvo – Kabeli, optički, promjera omotača 125  $\mu\text{m}$  – 301. dio: Čvrsta konstrukcija 50/125  $\mu\text{m}$  GI vlakana nazivnoga vanjskog promjera 1,8 mm – Norma za proizvod (EN 4641-301:2024)  
Aerospace series – Cables, optical 125  $\mu\text{m}$  diameter cladding – Part 301: Tight structure 50/125  $\mu\text{m}$  GI, fibre nominal 1,8 mm, outside diameter – Product standard (EN 4641-301:2024)

HRN EN 4888:2024 en pr  
Zrakoplovstvo – Putnička sjedala za komercijalne zrakoplove – Ispitivanje pouzdanosti (EN 4888:2024)  
Aerospace Series – Commercial aircraft passenger seats – Reliability testing (EN 4888:2024)

HRN EN 9239:2024 en pr  
Zrakoplovstvo – Upravljanje programom – Preporuke za implementaciju upravljanja rizicima i mogućnostima (EN 9239:2024)  
Aerospace series – Programme Management – Recommendations to implement risk management and opportunity management (EN 9239:2024)

HRN EN 17860-1:2024 en pr  
Teretni bicikli – 1. dio: Nazivi i definicije (EN 17860-1:2024)  
Carrier cycles – Part 1: Terms and definitions (EN 17860-1:2024)

HRN EN 17860-3:2024 en pr  
Teretni bicikli – 3. dio: Lagani teretni bicikli s kotačima koji nisu na istom pravcu – Mehanički aspekti (EN 17860-3:2024)  
Carrier Cycles – Part 3: Lightweight multi track carrier cycles – Mechanical aspects (EN 17860-3:2024)

## HZN/TU V1, Elektronika 1

HRN EN IEC 60793-1-22:2024 en pr  
Optička vlakna – Dio 1-22: Metode mjerenja i postupci ispitivanja – Mjerenje duljine (IEC 60793-1-22:2024; EN IEC 60793-1-22:2024)  
Optical fibres – Part 1-22: Measurement methods and test procedures – Length measurement (IEC 60793-1-22:2024; EN IEC 60793-1-22:2024)

HRN EN IEC 60793-1-46:2024 en pr  
Optička vlakna – Dio 1-46: Metode mjerenja i postupci ispitivanja – Praćenje promjena prigušenja (IEC 60793-1-46:2024; EN IEC 60793-1-46:2024)  
Optical fibres – Part 1-46: Measurement methods and test procedures – Monitoring of changes in attenuation (IEC 60793-1-46:2024; EN IEC 60793-1-46:2024)

HRN EN IEC 61169-69:2024 en pr  
Radiofrekvencijski konektori – 69. dio: Sekcijska specifikacija za radiofrekvencijske koaksijalne konektore s utisnim spajanjem – Karakteristične impedancije 50  $\Omega$  (tip SMP3) (IEC 61169-69:2024; EN IEC 61169-69:2024)  
Radio-frequency connectors – Part 69: Sectional specification for RF coaxial connectors with push on mating – Characteristic impedance 50  $\Omega$  (type SMP3) (IEC 61169-69:2024; EN IEC 61169-69:2024)

HRN EN IEC 61280-2-13:2024 en pr  
Postupci ispitivanja svjetlovodnih komunikacijskih podsustava – Dio 2-13: Digitalni sustavi – Mjerenja veličine vektora pogreške (IEC 61280-2-13:2024; EN IEC 61280-2-13:2024)  
Fibre optic communication subsystem test procedures – Part 2-13: Digital systems – Measurement of error vector magnitude (IEC 61280-2-13:2024; EN IEC 61280-2-13:2024)

HRN EN IEC 62522:2024 en pr  
Kalibracija podesivih laserskih izvora (IEC 62522:2024; EN IEC 62522:2024)  
Calibration of tuneable laser sources (IEC 62522:2024; EN IEC 62522:2024)

HRN EN IEC 63281-3-1:2024 en pr  
Električna vozila za prijevoz osoba i robe – Dio 3-1: Metoda ispitivanja učinkovitosti za ukupno vrijeme rada električnih skutera uzimajući u obzir uvjete okoline tijekom stvarne uporabe (IEC 63281-3-1:2024; EN IEC 63281-3-1:2024)  
E-Transporters – Part 3-1: Performance test method for total run time of e-scooters with consideration to environmental conditions of actual use (IEC 63281-3-1:2024; EN IEC 63281-3-1:2024)

HRN EN IEC 63281-3-2:2024 en pr  
Električna vozila za prijevoz osoba i robe – Dio 3-2: Metoda ispitivanja učinkovitosti za mobilnost električnih vozila za prijevoz tereta (IEC 63281-3-2:2024; EN IEC 63281-3-2:2024)  
E-Transporters – Part 3-2: Performance test methods for mobility of cargo e-Transporters (IEC 63281-3-2:2024; EN IEC 63281-3-2:2024)

## HZN/TU W1, Energetska elektrotehnika 1

HRN EN IEC 60127-8:2021/A1:2024 en pr  
Minijaturni osigurači – Otporni osigurači s posebnom nadstrujnom zaštitom (IEC 60127-8:2018/am1:2024; EN IEC 60127-8:2018/A1:2024)  
Miniature fuses – Part 8: Fuse resistors with particular overcurrent protection (IEC 60127-8:2018/am1:2024; EN IEC 60127-8:2018/A1:2024)



HRN EN IEC 62282-8-201:2024 en pr  
Tehnologija gorivih članaka – Dio 8-201: Sustavi za pohranu energije koji koriste gorive članke u reverznom načinu rada – Postupci ispitivanja značajki sustava za pretvorbu energije (IEC 62282-8-201:2024; EN IEC 62282-8-201:2024)  
Fuel cell technologies – Part 8-201: Energy storage systems using fuel cell modules in reverse mode – Test procedures for the performance of power-to-power systems (IEC 62282-8-201:2024; EN IEC 62282-8-201:2024)

HRN EN IEC 62501:2024 en pr  
Ventili za pretvarače s naponskim ulazom (VSC) za prijenos energije istosmjernom strujom visokog napona (HVDC) – Električno ispitivanje (IEC 62501:2024; EN IEC 62501:2024)  
Voltage sourced converter (VSC) valves for high-voltage direct current (HVDC) power transmission – Electrical testing (IEC 62501:2024; EN IEC 62501:2024)

HRN EN IEC 62841-2-12:2024 en pr  
Ručni elektromotorni alati, prijenosni alati i mehanizacija za travnjake i vrtove – Sigurnost – Dio 2-12: Posebni zahtjevi za ručne vibratore za beton (IEC 62841-2-12:2024; EN IEC 62841-2-12:2024)  
Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 2-12: Particular requirements for hand-held concrete vibrators (IEC 62841-2-12:2024; EN IEC 62841-2-12:2024)

HRN EN IEC 62841-2-12:2024/A11:2024 en pr  
Ručni elektromotorni alati, prijenosni alati i mehanizacija za travnjake i vrtove – Sigurnost – Dio 2-12: Posebni zahtjevi za ručne vibratore za beton (EN IEC 62841-2-12:2024/A11:2024)  
Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 2-12: Particular requirements for hand-held concrete vibrators (EN IEC 62841-2-12:2024/A11:2024)

HRN EN IEC 62841-2-7:2024 en pr  
Ručni elektromotorni alati, prijenosni alati i mehanizacija za travnjake i vrtove – Sigurnost – Dio 2-7: Posebni zahtjevi za ručne prskalice (IEC 62841-2-7:2024; EN IEC 62841-2-7:2024)  
Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 2-7: Particular requirements for hand-held spray guns (IEC 62841-2-7:2024; EN IEC 62841-2-7:2024)

HRN EN IEC 62841-2-7:2024/A11:2024 en pr  
Ručni elektromotorni alati, prijenosni alati i mehanizacija za travnjake i vrtove – Sigurnost – Dio 2-7: Posebni zahtjevi za ručne prskalice (EN IEC 62841-2-7:2024/A11:2024)  
Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 2-7: Particular requirements for hand-held spray guns (EN IEC 62841-2-7:2024/A11:2024)

HRN EN IEC 63252:2020/A11:2024 en pr  
Potrošnja energije automata za prodaju (EN IEC 63252:2020/A11:2024)  
Energy consumption of vending machines (EN IEC 63252:2020/A11:2024)

HRN EN IEC 63461:2024 en pr  
Peltonove hidrauličke turbine – Modelska prijamna ispitivanja (IEC 63461:2024; EN IEC 63461:2024)  
Pelton hydraulic turbines – Model acceptance tests (IEC 63461:2024; EN IEC 63461:2024)

## 1.2 Nacrta hrvatskih norma

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

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

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

nHRN EN 589:2024/NA:2024 hr izv  
Goriva za motorna vozila – UNP – Zahtjevi i metode ispitivanja – Nacionalni dodatak  
Automotive fuels – LPG – Requirements and test methods – National Annex

### 1.3 Prijedlozi za prihvaćanje stranih norma u izvorniku

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

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

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

prEN 14972-17 en  
Fixed firefighting systems – Water mist systems – Part 17: Test protocol for residential occupancies for automatic nozzle systems  
Stabilni protupožarni sustavi – Sustavi vodene magle – 17. dio: Protokol ispitivanja za sustave s automatskim mlaznicama u stambenim prostorima

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

prEN ISO 2719 en  
Determination of flash point – Pensky-Martens closed cup method (ISO/DIS 2719:2024)  
Određivanje točke paljenja – Metoda u zatvorenoj posudi po Pensky-Martensu (ISO/DIS 2719:2024)

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

prEN ISO 3961 en  
Animal and vegetable fats and oils – Determination of iodine value (ISO/FDIS 3961:2024)  
Životinjske i biljne masti i ulja – Određivanje jednog broja (ISO/FDIS 3961:2024)

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

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

prEN ISO 5821 en  
Resistance welding – Spot welding electrodes – Female electrode caps (ISO/DIS 5821:2024)

#### HZN/TO 54, *Eterična ulja*

ISO 210:2023 en  
Essential oils – General requirements and guidelines for packaging, conditioning and storage  
Eterična ulja – Opći zahtjevi i upute za pakiranje, kondicioniranje i čuvanje

ISO 211:2023 en  
Essential oils – General requirements for labelling and marking of containers  
Eterična ulja – Opća zahtjevi deklariranja i označavanja spremnika

ISO/FDIS 3518 en  
Essential oil of sandalwood (*Santalum album* L.)  
Eterično ulje sandalova drveta (*Santalum album* L.)

ISO/DIS 4730 en  
Essential oil of Melaleuca, terpinen-4-ol type (Tea Tree oil)  
Eterično ulje Melaleuca-e, tip terpinen-4-ol (Ulje australskog čajnog drvca/čajevca)

ISO 5093:2021 en  
Essential oil of lemon myrtle (*Backhousia citriodora* F. Muell.), citral type  
Eterično ulje limunske mirte (*Backhousia citriodora* F. Muell.), tip citrala

ISO 7359:1985 en  
Essential oils – Analysis by gas chromatography on packed columns – General method  
Eterična ulja – Analiza plinskom kromatografijom na napunjenim kolonama – Opća metoda

ISO/FDIS 9842 en  
Essential Oil of rose (*Rosa x damascena* Miller)  
Eterično ulje ruže (*Rosa x damascena* Miller)

ISO 13171:2016 en  
Essential oil of oregano [*Origanum vulgare* L. subsp. *hirtum* (Link) letsw]  
Eterično ulje origana [*Origanum vulgare* L. subsp. *hirtum* (Link) letsw]

ISO 13171:2016/DAmD 1 en  
Essential oil of oregano [*Origanum vulgare* L. subsp. *hirtum* (Link) letsw]  
Eterično ulje origana [*Origanum vulgare* L. subsp. *hirtum* (Link) letsw]

ISO/FDIS 14714 en  
Essential oils and aromatic extracts – Determination of benzene content  
Eterična ulja i aromatski ekstrakti – Određivanje sadržaja benzena

ISO 16385:2014 en  
Essential oil of molle (*Schinus areira* L.), Argentinean type  
Eterično ulje crvenog papra (*Schinus areira* L.), argentinski tip

ISO 16928:2014 en  
Essential oil of ginger [*Zingiber officinale* Roscoe]  
Eterično ulje đumbira [*Zingiber officinale* Roscoe]

ISO 18321:2015 en  
Essential oils – Determination of peroxide value  
Eterična ulja – Određivanje peroksidnog broja

ISO 20809:2017 en  
Essential oil of cypress (*Cupressus sempervirens* L.)  
Eterično ulje čempresa (*Cupressus sempervirens* L.)

ISO 21631:2020 en  
Essential oil of clementine (*Citrus clementina* hort. ex Tanaka syn. *Citrus reticulata* Blanco x *Citrus sinensis* (L.) Osbeck), Spanish type  
Eterično ulje klementine (*Citrus clementina* hort. ex Tanaka syn. *Citrus reticulata* Blanco x *Citrus sinensis* (L.) Osbeck), španjolski tip

ISO/TS 24106:2021 en  
Essential oils – Name harmonization of components  
Eterična ulja – Usklađivanje naziva komponenti

ISO/DIS 24255 en  
Essential oil of clary sage essential oil (*Salvia sclarea* L.) "prewilted" French type and "vert broyée" French type  
Eterično ulje muškatske kadulje eteričnog ulja (*Salvia sclarea* L.) "prewilted" francuski tip i "vert broyée" francuski tip

ISO/DIS 24608 en  
Essential oil of Lavandin super (*Lavandula x intermedia* Emeric ex Loisel. 'super')  
Eterično ulje Lavandin super (*Lavandula x intermedia* Emeric ex Loisel. 'super')

ISO/DIS 24609 en  
Essential oil of carrot seed (*Daucus carota* L.)  
Eterično ulje ploda mrkve (*Daucus carota* L.)

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

prEN 206-1 en  
Concrete – Specification, performance, production and conformity – Part 1: Performance, requirements, factory production control and assessment criteria for individual values

prEN 206-2 en  
Concrete – Specification, performance, production and conformity – Part 2: Conformity assessment and certification

prEN 206-3 en  
Concrete – Specification, performance, production and conformity – Part 3: Additional requirements for specification and conformity of concrete for special geotechnical works

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

prEN 17625 en  
Rooftop units – Testing and rating at standard rating conditions and part load conditions for calculation of seasonal performance  
Paketni krovni uređaji – Ispitivanje i ocjenjivanje pri standardnim uvjetima i uvjetima djelomičnog opterećenja za izračun sezonskih značajki

## **HZN/TO 92, Zaštita od požara**

prEN ISO 11925-2 en  
Reaction to fire tests – Ignitability of products subjected to direct impingement of flame – Part 2: Single-flame source test (ISO/DIS 11925-2:2024)  
Ispitivanja reakcije na požar – Zapaljivost proizvoda izloženih izravnom djelovanju plamena – 2. dio: Ispitivanje pojedinačnim izvorom plamena (ISO/DIS 11925-2:2024)

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

EN ISO 7376:2020/prA1 en  
Anaesthetic and respiratory equipment – Laryngoscopes for tracheal intubation – Amendment 1: Clarification about optical output and illumination requirements (ISO 7376:2020/DAMd1:2024)  
Anestetička i respiracijska oprema – Laringoskopi za trahealnu intubaciju – Amandman 1: Objašnjenje svjetlosne snage i zahtjeva za osvjetljenje (ISO 7376:2020/DAMd1:2024)

## **HZN/TO 136, Namještaj**

prEN 18122 en  
Children's high chairs – Learning towers

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

prEN 13946 en  
Water quality – Guidance standard for the routine sampling and preparation of benthic diatoms from rivers and lakes  
Kvaliteta vode – Savjetodavna norma za rutinsko uzorkovanje i prethodnu obradu riječnih i jezerskih bentoskih dijatomeja

prEN 15843 en  
Water quality – Guidance standard on determining the degree of modification of river hydromorphology  
Kvaliteta vode – Savjetodavna norma za određivanje stupnja modifikacije riječne hidromorfologije

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

prEN ISO 11979-1 en  
Ophthalmic implants – Intraocular lenses – Part 1: Vocabulary (ISO/DIS 11979-1:2024)  
Oftalmološki implantati – Intraokularne leće – 1. dio: Terminološki rječnik (ISO/DIS 11979-1:2024)

prEN ISO 11979-4 en  
Ophthalmic implants – Intraocular lenses – Part 4: Labelling and information (ISO/DIS 11979-4:2024)  
Oftalmološki implantati – Intraokularne leće – 4. dio: Označavanje i informacije (ISO/DIS 11979-4:2024)

prEN ISO 13695 en  
Optics and photonics – Lasers and laser-related equipment – Test methods for the spectral characteristics of lasers (ISO/FDIS 13695:2024)  
Optika i fotonika – Laseri i pridružena oprema – Ispitne metode za utvrđivanje spektralnih značajki lasera (ISO/FDIS 13695:2024)

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

prEN ISO 10318-1 en  
Geosynthetics – Part 1: Vocabulary (ISO/DIS 10318-1:2024)  
Geosintetici – 1. dio: Terminološki rječnik (ISO/DIS 10318-1:2024)

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

EN 17463:2021/prA1 en  
Valuation of Energy Related Investments (VALERI)

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

prEN ISO 2738 en  
Sintered metal materials, excluding hardmetals – Permeable sintered metal materials – Determination of density, oil content and open porosity (ISO/DIS 2738:2024)  
Sinterirani metalni materijali, osim tvrdih metala – Trajno sinterirani metalni materijali – Određivanje gustoće, sadržaja ulja i otvorene poroznosti (ISO/DIS 2738:2024)

prEN 10338 en  
Hot rolled and cold rolled non-coated products of multiphase steels for cold forming – Technical delivery conditions  
Toplo valjani i hladno valjani neprevučeni proizvodi od višefaznih čelika za hladno oblikovanje – Tehnički uvjeti isporuke

prEN ISO 26203-1 en  
Metallic materials – Tensile testing at high strain rates – Part 1: Elastic-bar-type systems (ISO/DIS 26203-1:2024)  
Metalni materijali – Statičko vlačno ispitivanje pri velikim brzinama istezanja – 1. dio: Sustav elastičnih udarnih valova (ISO/DIS 26203-1:2024)

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

prEN ISO 2361 en  
Electrodeposited nickel coatings on magnetic and non-magnetic substrates – Measurement of coating thickness – Magnetic method (ISO/DIS 2361:2024)  
Elektronanesene nikalne prevlake na magnetskim i nemagnetskim podlogama – Mjerenje debljine prevlake – Magnetska metoda (ISO/DIS 2361:2024)

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

prEN 1776 en  
Gas infrastructure – Gas measuring systems – Functional requirements  
Plinska infrastruktura – Mjerni sustavi za plin – Funkcionalni zahtjevi

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

prEN ISO 19901-1 en  
Oil and gas industries including lower carbon energy – Specific requirements for offshore structures – Part 1: Metocean design and operating considerations (ISO/DIS 19901-1:2024)  
Industrije nafte i plina uključujući energiju s niskim ugljikom – Posebni zahtjevi za odobalne konstrukcije – 1. dio: Meteorološko-oceanografski uvjeti pri projektiranju i pogonskim uvjetima (ISO/DIS 19901-1:2024)

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

prEN 18124 en  
Road marking materials – Temporary road markings

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

prEN 13757-4 en  
Communication systems for meters – Part 4: Wireless M-Bus communication  
Komunikacijski sustavi za mjerila – 4. dio: Komunikacija bežičnim sustavom M-Bus

EN 17526:2021/prA1 en  
Gas meter – Thermal-mass flow-meter based gas meter  
Plinomjeri – Plinomjeri na bazi termalnog mjerila masenog protoka

EN ISO 80000-3:2020/prA1 en  
Quantities and units – Part 3: Space and time (ISO 80000-3:2019/DAMd1:2024)  
Veličine i jedinice – 3. dio: Prostor i vrijeme (ISO 80000-3:2019/DAMd1:2024)

EN ISO 80000-4:2019/prA1 en  
Quantities and units – Part 4: Mechanics (ISO 80000-4:2019/DAMd1:2024)  
Veličine i jedinice – 4. dio: Mehanika (ISO 80000-4:2019/DAMd1:2024)

EN ISO 80000-5:2019/prA1 en  
Quantities and units – Part 5: Thermodynamics (ISO 80000-5:2019/DAMd1:2024)  
Veličine i jedinice – 5. dio: Termodinamika (ISO 80000-5:2019/DAMd1:2024)

EN ISO 80000-8:2020/prA1 en  
Quantities and units – Part 8: Acoustics  
(ISO 80000-5:2020/DAmD1:2024)  
Veličine i jedinice – 8. dio: Akustika  
(ISO 80000-5:2020/DAmD1:2024)

EN ISO 80000-9:2019/prA1 en  
Quantities and units – Part 9: Physical chemistry and  
molecular physics (ISO 80000-9:2019/DAmD1:2024)  
Veličine i jedinice – 9. dio: Fizikalna kemija i molekularna  
fizika (ISO 80000-9:2019/DAmD1:2024)

EN ISO 80000-10:2019/prA1 en  
Quantities and units – Part 10: Atomic and nuclear physics  
(ISO 80000-10:2019/DAmD1:2024)  
Veličine i jedinice – 10. dio: Atomska i nuklearna fizika  
(ISO 80000-10:2019/DAmD1:2024)

EN ISO 80000-11:2020/prA1 en  
Quantities and units – Part 11: Characteristic numbers  
(ISO 80000-11:2019/DAmD1:2024)  
Veličine i jedinice – 11. dio: Karakteristični brojevi  
(ISO 80000-11:2019/DAmD1:2024)

EN ISO 80000-12:2019/prA1 en  
Quantities and units – Part 12: Condensed matter physics  
(ISO 80000-12:2019/DAmD1:2024)  
Veličine i jedinice – 12. dio: Fizika kondenzirane tvari  
(ISO 80000-12:2019/DAmD1:2024)

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

prEN 15876 en  
Electronic fee collection – Conformity evaluation of on-board  
and roadside equipment to EN 15509  
Elektronička naplata – Vrednovanje sukladnosti opreme u  
vozilu i opreme uz prometnicu s normom EN 15509

prEN ISO 17419 en  
Intelligent transport systems – Globally unique identification  
(ISO/DIS 17419:2024)

prEN ISO 17423 en  
Intelligent transport systems – Application requirements and  
objectives (ISO/DIS 17423:2024)

prEN ISO 18750 en  
Intelligent transport systems – Local dynamic map  
(ISO/DIS 18750:2024)

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

EN 16272-3-2:2023/prA1 en  
Railway applications – Infrastructure – Noise barriers and  
related devices acting on airborne sound propagation – Test  
method for determining the acoustic performance – Part 3-2:  
Normalized railway noise spectrum and single number ratings  
for direct sound field applications  
Željeznički sustav – Željeznički gornji ustroj – Bukobrani i  
odgovarajuća sredstva koja djeluju na zvuk prenošen zrakom  
– Metoda ispitivanja za određivanje akustičnih učinaka  
– Dio 3-2: Normalizirani spektar željezničke buke i jedinstvena  
ocjenjska vrijednost za primjene u usmjerenom polju

EN ISO 22163:2024/prA1 en  
Railway applications – Railway quality management system  
– ISO 9001:2015 and specific requirements for application in  
the railway sector – Amendment 1: Climate action changes  
(ISO 22163:2023/Amd 1:2024)

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

prEN 12814-1 en  
Testing of welded joints of thermoplastics semi-finished  
products – Part 1: Bend test  
Ispitivanje zavarenih spojeva plastomernih poluproizvoda  
– 1. dio: Ispitivanje savijanjem

prEN 12814-5 en  
Testing of welded joints of thermoplastics semi-finished  
products – Part 5: Macroscopic examination  
Ispitivanje zavarenih spojeva plastomernih poluproizvoda  
– 5. dio: Makroskopsko ispitivanje

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

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

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

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

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

prEN 17166 en  
Fans – Procedures and methods to determine the energy  
efficiency for the electrical input power range of 125 W up to  
500 kW  
Ventilatori – Postupci i metode za određivanje energetske  
učinkovitosti za raspon električne ulazne snage od 125 W do  
500 kW

prEN 17192 en  
Ventilation for buildings – Ductwork – Non-metallic ductwork  
– Requirements and test methods  
Ventilacija u zgradama – Razvod kanala – Nemetalni razvod  
kanala – Zahtjevi i metode ispitivanja

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

ISO 1442:2023 en  
Meat and meat products – Determination of moisture content  
– Reference method  
Meso i mesni proizvodi – Određivanje udjela vlage – Referentna  
metoda

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

prEN ISO 18862 en  
Coffee and coffee products – Determination of acrylamide  
– Methods using HPLC-MS/MS and GC-MS after derivatization  
(ISO/DIS 18862:2024)  
Kava i njezini proizvodi – Određivanje acrilamida – Metode  
uz upotrebu HPLC-MS/MS i GC-MS nakon derivatizacije  
(ISO/DIS 18862:2024)

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

prEN ISO 11465 en  
Sludge, treated biowaste, soil and waste – Determination of  
dry residue or water content and calculation of the dry matter  
fraction on a mass basis (ISO/DIS 11465:2024)  
Mulj, obrađeni biootpad, tlo i otpad – Određivanje suhog  
ostatka odnosno sadržaja vode i izračunavanje frakcije suhe  
tvari na osnovi mase (ISO/DIS 11465:2024)

prEN ISO 17601 en  
Soil quality – Estimation of abundance of selected microbial  
gene sequences by quantitative PCR from DNA directly  
extracted from soil (ISO/DIS 17601:2024)  
Kvaliteta tla – Procjena brojnosti odabranih mikrobnih genskih  
sekvenci kvantitativnim PCR iz DNK izravno ekstrahirane iz  
tla (ISO/DIS 17601:2024)

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

prEN 17016-2 en  
Electronic Public Procurement – Ordering – Part 2: Transactions

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

prEN ISO 13482 en  
Robotics – Safety requirements for service robots (ISO/DIS 13482:2024)  
Robotika – Sigurnosni zahtjevi za servisne robote (ISO/DIS 13482:2024)

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

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

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

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

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

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

prEN ISO/IEC 18045 en  
Information security, cybersecurity and privacy protection – Evaluation criteria for IT security – Methodology for IT security evaluation (ISO/IEC DIS 18045:2024)  
Informacijska sigurnost, kibernetička sigurnost i zaštita privatnosti – Kriteriji za vrednovanje sigurnosti IT-a – Metodologija za vrednovanje sigurnosti IT-a (ISO/IEC DIS 18045:2024)

prEN ISO 22300 en  
Security and resilience – Vocabulary (ISO/DIS 22300:2024)  
Sigurnost i otpornost – Terminološki rječnik (ISO/DIS 22300:2024)

prEN ISO/IEC 27706 en  
Requirements for bodies providing audit and certification of privacy information management systems (ISO/IEC DIS 27706:2024)

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

prEN IEC 60034-1:2024 en  
Rotating electrical machines – Part 1: Rating and performance (IEC 60034-1 ED15)  
Rotacijski električni strojevi – 1. dio: Nazivne vrijednosti i radna svojstva (IEC 60034-1 ED15)

prEN IEC 60034-30-1:2024 en  
Rotating electrical machines – Part 30-1: Efficiency classes of line operated AC motors (IE code) (IEC 60034-30-1 ED2)  
Rotacijski električni strojevi – Dio 30-1: Razredi učinkovitosti izmjeničnih motora koji se napajaju iz mreže (IE kod) (IEC 60034-30-1 ED2)

prEN IEC 60072-2:2024 en  
Dimensions and output series for rotating electrical machines – Part 2: Frame numbers 355 to 1000 and flange numbers 1180 to 2360 (IEC 60072-2 ED2)  
Dimenzije i serije snaga za rotacijske električne strojeve – 2. dio: Brojevi okvira od 355 do 1000 i brojevi priрубnica od 1180 do 2360 (IEC 60072-2 ED2)

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

EN 50463-4:2017/prA1:2024 en  
Railway applications – Energy measurement on board trains – Part 4: Communication  
Željeznički sustav – Mjerenje energije na vozilima – 4. dio: Komunikacije

prEN IEC 62590-2-2:2024 en  
Railway applications – Electronic power converters for fixed installations – Part 2-2: DC Applications – Controlled converters (IEC 62590-2-2 ED1)  
Željeznički sustav – Elektronički energetske pretvarači za stabilna postrojenja – Dio 2-1: Istosmjernje primjene – Upravljeni pretvarači (IEC 62590-2-2 ED1)

prEN 62590-3-1:2024 en  
Railway applications – Fixed installations – Electronic power converters – Part 3-1: AC traction applications – Electronic power compensators (IEC 62590-3-1:2022)  
Željeznički sustav – Elektronički energetske pretvarači za stabilna postrojenja – Dio 3-1: Primjene u izmjeničnoj vuči – Elektronički kompenzatori snage (IEC 62590-3-1:2022)

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

prEN IEC 60947-5-5:2024 en  
Low-voltage switchgear and controlgear – Part 5-5: Control circuit devices and switching elements – Electrical emergency stop device with mechanical latching function (IEC 60947-5-5 ED2)  
Niskonaponska sklopna aparatura – Dio 5-5: Uređaji za upravljačke strujne krugove i sklopni elementi – Električni uređaji za zaustavljanje u nuždi s funkcijom zaključavanja (IEC 60947-5-5 ED2)

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

prEN IEC 63494-1:2024 en  
Lighting systems – Electro-mechanical interfaces – Part 1: Safety (IEC 63494-1 ED1)  
Sustavi za osvjetljenje – Elektromehanička sučelja – 1. dio: Sigurnost (IEC 63494-1 ED1)

prEN IEC 63494-2-1:2024 en  
Lighting systems – Electro-mechanical interfaces – Part 2-1: Four-pin elv twist-lock interface type zb18 (IEC 63494-2-1 ED1)  
Sustavi za osvjetljenje – Elektromehanička sučelja – Dio 2-1: Ekstra niskonaponsko sučelje tip zb18 s četiri izvoda i zakretnim zaključavanjem (IEC 63494-2-1 ED1)

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

prEN IEC 60335-2-120:2024 en  
Household and similar electrical appliances – Safety – Part 2-120: Particular requirements for the safety of appliances for the generation of directly inhalable aerosols (IEC 60335-2-120:2024)  
Kućanski i slični električni aparati – Sigurnost – Dio 2-120: Posebni zahtjevi za sigurnost uređaja za generiranje aerosola za izravno udisanje (IEC 60335-2-120:2024)

prEN IEC 60335-2-120:2024/prAA:2024 en  
Household and similar electrical appliances – Safety – Part 2-120: Particular requirements for the safety of appliances for the generation of directly inhalable aerosols  
Kućanski i slični električni aparati – Sigurnost – Dio 2-120: Posebni zahtjevi za sigurnost uređaja za generiranje aerosola za izravno udisanje

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

prEN IEC 62083:2024 en  
Medical device software – Requirements for the safety of radiotherapy treatment planning systems (IEC 62083 ED3)

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

prEN IEC 63119-1:2024 en  
Information exchange for electric vehicle charging roaming service – Part 1: General (IEC 63119-1 ED2)  
Razmjena informacija za usluge roaminga za punjenje električnih vozila – 1. dio: Općenito (IEC 63119-1 ED2)

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

prEN IEC 63315:2024 en  
Audio/video, information and communication technology equipment – Safety – DC power transfer between ICT equipment ports using ICT wiring and cables at ≤ 60 V DC (IEC 63315 ED1)

## HZN/TO T4, Normizacija u telekomunikacijama

Draft EN 300 132-2 V2.8.0:2024 en  
Environmental Engineering (EE) – Power supply interface at the input of Information and Communication Technology (ICT) equipment – Part 2: -48 V Direct Current (DC)  
Inženjerstvo okoliša (EE) – Sučelje za izvore napajanja na ulazu opreme informacijsko-komunikacijske tehnologije (IKT) – 2. dio: -48 V istosmjerna struja (DC)

Draft EN 300 487 V2.2.0:2024 en  
Satellite Earth Stations and Systems (SES) – Receive-Only Mobile Earth Stations (ROMES) providing data communications operating in the 1,5 GHz frequency band – Harmonised Standard for access to radio spectrum  
Satelitske zemaljske postaje i sustavi (SES) – Pokretne zemaljske postaje samo za prijam (ROMES) za podatkovnu komunikaciju koje rade u frekventijskom pojasu 1,5 GHz – Harmonizirana norma za pristup radijskom spektru

Draft EN 301 489-5 V2.2.8:2024 en  
ElectroMagnetic Compatibility (EMC) standard for radio equipment and services – Part 5: Specific conditions for Private land Mobile Radio (PMR) and ancillary equipment (speech and non-speech) and Terrestrial Trunked Radio (TETRA) – Harmonised Standard for ElectroMagnetic Compatibility  
Norma elektromagnetske kompatibilnosti (EMC) za radijsku opremu i usluge – 5. dio: Posebni uvjeti za privatni kopneni pokretni radio (PMR) i pomoćnu opremu (s govorom i bez govora) i terestrijalni trunking radio (TETRA) – Harmonizirana norma za elektromagnetsku kompatibilnost

Draft EN 301 489-52 V1.2.5:2024 en  
ElectroMagnetic Compatibility (EMC) standard for radio equipment and services – Part 52: Specific conditions for Cellular Communication User Equipment (UE) radio and ancillary equipment – Harmonised Standard for ElectroMagnetic Compatibility  
Norma elektromagnetske kompatibilnosti (EMC) za radijsku opremu i usluge – 52. dio: Posebni uvjeti za korisničku radijsku i pomoćnu opremu za celularnu komunikaciju – Harmonizirana norma za elektromagnetsku kompatibilnost

Draft EN 301 908-25 V15.0.0:2024 en  
IMT cellular networks – Harmonised Standard for access to radio spectrum – Part 25: New Radio (NR) User Equipment (UE) Release 15  
IMT celularne mreže – Harmonizirana norma za pristup radijskom spektru – 25. dio: Nova radijska (NR) korisnička oprema (UE) Izdanje 15

Draft EN 302 064 V2.1.3:2024 en  
Wireless Digital Video Links operating in the 1,3 GHz to 50 GHz frequency band – Harmonised Standard for access to radio spectrum  
Bežične digitalne video veze koje rade u frekventijskom pojasu od 1,3 GHz do 50 GHz – Harmonizirana norma za pristup radijskom spektru

Draft EN 303 978 V2.2.0:2024 en  
Satellite Earth Stations and Systems (SES) – Earth Stations on Mobile Platforms (ESOMP) communicating with satellites in geostationary orbit, operating in the 27,5 GHz to 30,0 GHz and 17,3 GHz to 20,2 GHz frequency bands – Harmonised Standard for access to radio spectrum  
Satelitske zemaljske postaje i sustavi (SES) – Zemaljske postaje na pokretnim platformama (ESOMP) koje odašilju prema satelitima u geostacionarnoj orbiti, u frekventijskim pojasevima od 27,5 GHz do 30,0 GHz i od 17,3 GHz do 20,2 GHz – Harmonizirana norma za pristup radijskom spektru

Draft EN 319 412-4 V1.3.2:2024 en  
Electronic Signatures and Trust Infrastructures (ESI) – Certificate Profiles – Part 4: Certificate profile for web site certificates  
Elektronički potpisi i infrastrukture povjerenja (ESI) – Profili certifikata – 4. dio: Profil certifikata za internetske certifikate

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

prEN ISO 6270-2 en  
Paints and varnishes – Determination of resistance to humidity – Part 2: Condensation (In-cabinet exposure with heated water reservoir) (ISO/DIS 6270-2:2024)  
Boje i lakovi – Određivanje otpornosti na vlagu – 2. dio: Kondenzacija (izloženost u klimatskoj komori sa spremnikom zagrijane vode) (ISO/DIS 6270-2:2024)

prEN ISO 8502-15 en  
Preparation of steel substrates before application of paints and related products – Tests for the assessment of surface cleanliness – Part 15: Extraction of soluble contaminants for analysis by acid extraction (ISO 8502-15:2020)  
Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Ispitivanja za procjenu čistoće površine – 15. dio: Ekstrakcija topivih onečišćenja za analizu kiselinskom ekstrakcijom (ISO 8502-15:2020)

prEN ISO 8504-4 en  
Preparation of steel substrates before application of paints and related products – Surface preparation methods – Part 4: Acid pickling (ISO 8504-4:2022)  
Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Metode pripreme površina – 4. dio: Nagrizanje kiselinom (ISO 8504-4:2022)

prEN ISO 11127-8 en  
Preparation of steel substrates before application of paints and related products – Test methods for non-metallic blast-cleaning abrasives – Part 8: Field determination of water-soluble chlorides (ISO 11127-8:2020)  
Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Metode ispitivanja za nemetalne abrazive za čišćenje mlazom – 8. dio: Terensko određivanje klorida topivih u vodi (ISO 11127-8:2020)

## HZN/TU F1, Osnovne norme 1

EN ISO 7010:2020/prA7 en  
Graphical symbols – Safety colours and safety signs – Registered safety signs (ISO 7010:2019/Amd 7:2023)  
Grafički simboli – Boje i znakovi sigurnosti – Registrirani znakovi sigurnosti (ISO 7010:2019/Amd 7:2023)

EN ISO 7010:2020/prA8 en  
Graphical symbols – Safety colours and safety signs – Registered safety signs (ISO 7010:2019/Amd 8:2024)  
Grafički simboli – Boje i znakovi sigurnosti – Registrirani znakovi sigurnosti (ISO 7010:2019/Amd 8:2024)

## HZN/TU I2, Strojarstvo 2

prEN 17998 en  
Earth-moving machinery – Safety – Demolition machinery  
Strojevi za zemljane radove – Sigurnost – Strojevi za rušenje

prEN ISO 19014-3 en  
Earth-moving machinery – Functional safety – Part 3: Environmental performance and test requirements of electronic and electrical components used in safety-related parts of the control system (ISO/DIS 19014-3:2024)  
Strojevi za zemljane radove – Funkcionalna sigurnost – 3. dio: Zahtjevi s obzirom na okoliš i zahtjevi za ispitivanje elektroničkih i električnih elemenata koji se upotrebljavaju u sigurnosnim dijelovima sustava za upravljanje (ISO/DIS 19014-3:2024)

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

prEN ISO 8536-16 en  
Infusion equipment for medical use – Part 16: Infusion sets for single use with volumetric infusion controllers (ISO/DIS 8536-16:2024)  
Oprema za infuziju za medicinsku primjenu – 16. dio: Pribor za infuziju za jednokratnu upotrebu s volumetrijskim kontrolerom infuzije (ISO/DIS 8536-16:2024)

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

- prEN 3750 en  
Aerospace series – Nut, anchor, self-locking, fixed, 90° corner, reduced series, with counterbore, in heat resisting steel, MoS2 lubricated – Classification: 1 100 MPa (at ambient temperature) / 315 °C  
Zrakoplovstvo – Matice, sidrene, samozatvarajuće, nepomične, 90° kut, skraćene serije, s upustom, od čelika otpornog na toplinu, podmazane s MoS2 – Klasifikacija: 1100 MPa (pri temperaturi okoline) / 315 °C
- prEN 4265 en  
Aerospace series – Bearing spherical plain, metal to metal in corrosion resisting steel – Wide series – Dimensions and loads – Inch series  
Zrakoplovstvo – Ravna kuglastoga ležaja, metal na metal kod čelika otpornih na koroziju – Široka serija – Dimenzije i opterećenja – Inčne serije
- prEN 4266 en  
Aerospace series – Bearing spherical plain, metal to metal, in corrosion resisting steel, cadmium plated – Wide series – Dimensions and loads – Inch series  
Zrakoplovstvo – Kuglični ravni ležajevi, metal na metal, čelik otporan na koroziju, presvučen s kadmijem – Široki nizovi – Dimenzije i opterećenja – Inčne serije
- prEN 6122 en  
Aerospace series – Blind bolt, 130° flush head, high strength

## HZN/TU V1, *Elektronika 1*

- prEN IEC 60068-2-83:2024 en  
Environmental testing – Part 2-83: Tests – Test tf: Solderability testing of electronic components for surface mounting devices (SMD) by the wetting balance method using solder paste (IEC 60068-2-83 ED2)  
Ispitivanje utjecaja okoliša – Dio 2-83: Ispitivanja – Tf ispitivanje: Ispitivanje lemljivosti elektroničkih komponenti za površinsku ugradnju (SMD) pomoću metode uravnoteženog vlaženja pastom za lemljenje (IEC 60068-2-83 ED2)
- prEN IEC 60068-2-88:2024 en  
Environmental testing – Part 2-88: Tests – Test xd: Resistance of components and assemblies to liquid cleaning media (IEC 60068-2-88 ED1)  
Ispitivanje utjecaja okoliša – Dio 2-88: Ispitivanja – Xd ispitivanje: Otpornost komponenti i sklopova na tekuća sredstva za čišćenje (IEC 60068-2-88 ED1)
- prEN IEC 60122-2:2024 en  
Quartz crystal units of assessed quality – Part 2: Guidelines for the use (IEC 60122-2 ED3)  
Kvarcne kristalne jedinice utvrđene kvalitete – 2. dio: Smjernice za uporabu (IEC 60122-2 ED3)
- prEN IEC 60794-1-119:2024 en  
Optical fibre cables – Part 1-119: Generic specification – Basic optical cable test procedures – Aeolian vibration, method e19 (IEC 60794-1-119 ED1)  
Svjetlovodni kabeći – Dio 1-119: Generička specifikacija – Osnovni postupci ispitivanja svjetlovodnih kabela – Eolska vibracija, metoda e19 (IEC 60794-1-119 ED1)
- EN IEC 61300-2-5:2022/prA1:2024 en  
Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 2-5: Tests – Torsion (IEC 61300-2-5/am1 ED4)  
Svjetlovodni uređaji za međusobno spajanje i pasivne komponente – Osnovni postupci ispitivanja i mjerenja – Dio 2-5: Ispitivanja – Torzija (IEC 61300-2-5/am1 ED4)
- EN IEC 61300-3-7:2021/prA1:2024 en  
Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 3-7: Examinations and measurements – Wavelength dependence of attenuation and return loss of single mode components (IEC 61300-3-7/am1 ED3)  
Svjetlovodni uređaji za međusobno spajanje i pasivne komponente – Osnovni postupci ispitivanja i mjerenja – Dio 3-7: Ispitivanja i mjerenja – Ovisnost slabljenja o valnoj duljini i gubitak povrata za komponente s jednomodnim načinom rada (IEC 61300-3-7/am1 ED3)

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

- prEN IEC 60127-9:2024 en  
Miniature fuses – Part 9: Miniature fuse-links for special applications with partial-range breaking capacity (IEC 60127-9 ED1)  
Minijaturni osigurači – 9. dio: Minijaturni rastalni ulošci za posebne primjene s djelomičnom sposobnošću prekida (IEC 60127-9 ED1)
- prEN IEC 62933-3-1:2024 en  
Electrical energy storage (EES) systems – Part 3-1: Planning and performance assessment of electrical energy storage systems – General specification (IEC 62933-3-1 ED1)  
Sustavi za pohranu električne energije (EES) – Dio 3-1: Planiranje i procjena značajki sustava za pohranu električne energije – Opće specifikacije (IEC 62933-3-1 ED1)
- FprEN IEC 63522-9:2024 en  
Electrical relays – Tests and measurements – Part 9: Climatic tests (IEC 63522-9 ED1)  
Električni releji – Ispitivanja i mjerenja – 9. dio: Klimatska ispitivanja (IEC 63522-9 ED1)
- FprEN IEC 63522-32:2024 en  
Electrical relays – Tests and measurements – Part 32: Acoustic noise (IEC 63522-32 ED1)  
Električni releji – Ispitivanja i mjerenja – 32. dio: Akustična buka (IEC 63522-32 ED1)
- prEN IEC 63522-41:2024 en  
Electrical relays – Tests and measurements – Part 41: Insulation coordination (IEC 63522-41 ED1)  
Električni releji – Ispitivanja i mjerenja – 41. dio: Koordinacija izolacije (IEC 63522-41 ED1)
- prEN IEC 63522-52:2024 en  
Electrical relays – Tests and Measurements – Part 52: Coil overvoltage (IEC 63522-52 ED1)  
Električni releji – Ispitivanja i mjerenja – 52. dio: Prenapon zavojnice (IEC 63522-52 ED1)
- prEN IEC/IEEE 80005-1:2024 en  
Utility connections in port – Part 1: High voltage shore connection (HVSC) systems – General requirements (IEC/IEEE 80005-1:2019+am1:2022+am2:2023)  
Priključci u lukama – 1. dio: Visokonaponski sustavi priključaka na obali (HVSC) – Opći zahtjevi (IEC/IEEE 80005-1:2019+am1:2022+am2:2023)

## 1.4 Povučene hrvatske norme

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

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

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

HRN EN 1514-1:2001 en

Prirubnice i njihovi spojevi – Dimenzije brtvi za prirubnice s PN-oznakom – 1. dio: Nemetalne plosnate brtve s ili bez umetaka (EN 1514-1:1997)

Flanges and their joints – Dimensions of gaskets for PN-designated flanges – Part 1: Non-metallic flat gaskets with or without inserts (EN 1514-1:1997)

- zamijenjena s: HRN EN 1514-1:2024

HRN EN 12560-1:2003 en

Prirubnice i njihovi spojevi – Brtve za prirubnice označene prema razredu – 1. dio: Nemetalne plosnate brtve sa ili bez umetaka (EN 12560-1:2001)

Flanges and their joints – Gaskets for Class-designated flanges – Part 1: Non-metallic flat gaskets with or without inserts (EN 12560-1:2001)

- zamijenjena s: HRN EN 12560-1:2024

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

HRN ISO 2469:2015 en

Papir, karton i pulpe – Mjerenje faktora sjajnosti difuznog svjetla (faktor difuzne reflektancije) (ISO 2469:2014)

Paper, board and pulps – Measurement of diffuse radiance factor (diffuse reflectance factor) (ISO 2469:2014)

- zamijenjena s: HRN ISO 2469:2024

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

HRN EN 12259-14:2022 en

Stabilni protupožarni sustavi – Dijelovi sustava za prskanje (sprinkler sustava) i sustava raspršene vode – 14. dio: Sprinkleri za stambene prostore (EN 12259-14:2020+A1:2022)

Fixed firefighting systems – Components for sprinkler and water spray systems – Part 14: Sprinklers for residential applications (EN 12259-14:2020+A1:2022)

- zamijenjena s: HRN EN 12259-14:2024

### HZN/TO 22, Cestovna vozila

HRS CWA 16697:2016 en

Prilagodba vozila vozačima s invaliditetom – Zahtjevi, metode ispitivanja i smjernice za dobru praksu (CWA 16697:2013)

Car-Adaptations for Disabled Drivers – Requirements, test methods and best practise guidelines (CWA 16697:2013)

- bez zamjene

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

HRN EN ISO 18497:2021 en

Poljoprivredna mehanizacija i traktori – Sigurnost visoko automatiziranih poljoprivrednih strojeva – Načela projektiranja (ISO 18497:2018; EN ISO 18497:2018)

Agricultural machinery and tractors – Safety of highly automated agricultural machines – Principles for design (ISO 18497:2018; EN ISO 18497:2018)

- zamijenjena s: HRN EN ISO 18497-1:2024,

HRN EN ISO 18497-2:2024, HRN EN ISO 18497-3:2024,

HRN EN ISO 18497-4:2024

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

HRN EN ISO 13032:2012 en

Naftni proizvodi – Određivanje male količine sumpora u motornim gorivima – Energijski disperzivna fluorescencijska spektrometrija rendgenskih zraka (ISO 13032:2012; EN ISO 13032:2012)

Petroleum products – Determination of low concentration of sulfur in automotive fuels – Energy-dispersive X-ray fluorescence spectrometric method (ISO 13032:2012; EN ISO 13032:2012)

- zamijenjena s: HRN EN ISO 13032:2024

HRN EN 16942:2021 en

Goriva – Identifikacija kompatibilnosti vozila – Grafički prikaz informacija za potrošače (EN 16942:2016+A1:2021)

Fuels – Identification of vehicle compatibility – Graphical

expression for consumer information (EN 16942:2016+A1:2021)

- zamijenjena s: HRN EN 16942:2024

### HZN/TO 71, Beton

HRN EN 480-6:2007 en

Dodatci betonu, mortu i mortu za injektiranje – Ispitne metode – 6. dio: Infracrvena analiza (EN 480-6:2005)

Admixtures for concrete, mortar and grout – Test methods

– Part 6: Infrared analysis (EN 480-6:2005)

- zamijenjena s: HRN EN 480-6:2024

### HZN/TO 120, Koža i obuća

HRN EN ISO 2419:2012 en

Koža – Fizikalna i mehanička ispitivanja – Priprema uzorka i kondicioniranje (ISO 2419:2012; EN ISO 2419:2012)

Leather – Physical and mechanical tests – Sample preparation and conditioning (ISO 2419:2012; EN ISO 2419:2012)

- zamijenjena s: HRN EN ISO 2419:2024

HRN EN ISO 20701:2018 en

Koža – Ispitivanje postojanosti obojenja – Postojanost obojenja na slinu (ISO 20701:2017; EN ISO 20701:2018)

Leather – Tests for colour fastness – Colour fastness to saliva

(ISO 20701:2017; EN ISO 20701:2018)

- zamijenjena s: HRN EN ISO 20701:2024

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

HRN EN ISO 80601-2-79:2019 en

Medicinska električna oprema – Dio 2-79: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke opreme za potporu disanju kod poremećaja disanja (ISO 80601-2-79:2018; EN ISO 80601-2-79:2019)

Medical electrical equipment – Part 2-79: Particular requirements for basic safety and essential performance of ventilatory support equipment for ventilatory impairment (ISO 80601-2-79:2018; EN ISO 80601-2-79:2019)

- zamijenjena s: HRN EN ISO 80601-2-79:2024

HRN EN ISO 80601-2-80:2019 en

Medicinska električna oprema – Dio 2-80: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke opreme za potporu disanju kod respiratorne insuficijencije (ISO 80601-2-80:2018; EN ISO 80601-2-80:2019)

Medical electrical equipment – Part 2-80: Particular requirements for basic safety and essential performance of ventilatory support equipment for ventilatory insufficiency (ISO 80601-2-80:2018; EN ISO 80601-2-80:2019)

- zamijenjena s: HRN EN ISO 80601-2-80:2024

### HZN/TO 147/PO 7, Kvaliteta vode; Mikrobiološka i biološka ispitivanja

HRN ISO 10705-3:2003 en

Kakvoća vode – Detekcija i brojenje bakteriofaga – 3. dio: Vrednovanje metoda koncentriranja bakteriofaga iz vode (ISO 10705-3:2003)

Water quality – Detection and enumeration of bacteriophages – Part 3: Validation of methods for concentration of bacteriophages from water (ISO 10705-3:2003)

- zamijenjena s: HRN EN ISO 10705-3:2024

### HZN/TO 159, Ergonomija

HRI CEN ISO/TR 7250-2:2013 en

Temeljna antropometrijska mjerenja ljudskog tijela za tehnološki dizajn – 2. dio: Statistički sažeci mjerenja tijela pojedinačnih populacija članica ISO-a (ISO/TR 7250-2:2010; CEN ISO/TR 7250-2:2011)

Basic human body measurements for technological design

– Part 2: Statistical summaries of body measurements from individual ISO populations (ISO/TR 7250-2:2010; CEN ISO/TR 7250-2:2011)

- bez zamjene

HRI CEN ISO/TR 7250-2:2013/A1:2013 en

Temeljna antropometrijska mjerenja ljudskog tijela za tehnološki dizajn – 2. dio: Statistički sažeci mjerenja tijela nacionalnih populacija (ISO/TR 7250-2:2010/Amd 1:2013; CEN ISO/TR 7250-2:2011/A1:2013)

Basic human body measurements for technological design

– Part 2: Statistical summaries of body measurements from national populations (ISO/TR 7250-2:2010/Amd 1:2013; CEN ISO/TR 7250-2:2011/A1:2013)

- bez zamjene



HRN EN ISO 9241-5:2004 en  
Ergonomski zahtjevi uredskog rada s vizualnim zaslonima – 5. dio: Izlazi radne stanice i zahtjevi položaja (ISO 9241-5:1998; EN ISO 9241-5:1999)  
Ergonomic requirements for office work with visual display terminals (VDTs) – Part 5: Workstation layout and postural requirements (ISO 9241-5:1998; EN ISO 9241-5:1999)  
- zamijenjena s: HRN EN ISO 9241-5:2024

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

HRN EN ISO 13431:2002 en  
Geotekstili i proizvodi srodni s geotekstilom – Određivanje puzanja pri vlaku i ponašanje pri slomu uslijed puzanja (ISO 13431:1999; EN ISO 13431:1999)  
Geotextiles and geotextile-related products – Determination of tensile creep and creep rupture behaviour (ISO 13431:1999; EN ISO 13431:1999)  
- zamijenjena s: HRN EN ISO 13431:2024

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

HRN EN ISO 642:2008 en  
Čelik – Ispitivanje prokaljivosti čeonim gašenjem (ispitivanje prema Jominyu) (ISO 642:1999; EN ISO 642:1999)  
Steel – Hardenability test by end quenching (Jominy test) (ISO 642:1999; EN ISO 642:1999)  
- zamijenjena s: HRN EN ISO 642:2024

HRN EN ISO 643:2020 en  
Čelici – Mikrografsko određivanje prividne veličine zrna (ISO 643:2019, ispravljena verzija 2020-03; EN ISO 643:2020)  
Steels – Micrographic determination of the apparent grain size (ISO 643:2019, Corrected version 2020-03; EN ISO 643:2020)  
- zamijenjena s: HRN EN ISO 643:2024

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

HRN EN ISO 21898:2007 en  
Ambalaža – Prilagodljivi posredni spremnici za rasutu neopasnu robu (ISO 21898:2004; EN ISO 21898:2005)  
Packaging – Flexible intermediate bulk containers (FIBCs) for non-dangerous goods (ISO 21898:2004; EN ISO 21898:2005)  
- zamijenjena s: HRN EN ISO 21898:2024

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

HRN EN 15323:2008 en  
Bitumen i bitumenska veziva – Određivanje ubrzanog dugotrajnog starenja metodom s rotirajućim cilindrom (RCAT) (EN 15323:2007)  
Bitumen and bituminous binders – Accelerated long-term ageing/conditioning by the rotating cylinder method (RCAT) (EN 15323:2007)  
- bez zamjene

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

HRN EN 14478:2018 en,fr,de  
Željeznički sustav – Kočenje – Opći rječnik (EN 14478:2017)  
Railway applications – Braking – Generic vocabulary (EN 14478:2017)  
- zamijenjena s: HRN EN ISO 24478:2024

HRN EN 14587-2:2009 en  
Željeznički sustav – Željeznički gornji ustroj – Elektrootporno zavarivanje tračnica – 2. dio: Zavarivanje novih tračnica kakvoće R220, R260, R260Mn i R350HT pokretnim strojevima za zavarivanje na radištilima izvan stabilnih postrojenja (EN 14587-2:2009)  
Railway applications – Track – Flash butt welding of rails – Part 2: New R220, R260, R260Mn and R350HT grade rails by mobile welding machines at sites other than a fixed plant (EN 14587-2:2009)  
- zamijenjena s: HRN EN 14587-2:2024

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

HRN EN ISO 8028:2018 en  
Gumena i/ili plastična crijeva i crijevni uređaji za bezračno prskanje boje – Specifikacija (ISO 8028:2017; EN ISO 8028:2018)  
Rubber and/or plastics hoses and hose assemblies for airless paint spraying – Specification (ISO 8028:2017; EN ISO 8028:2018)  
- zamijenjena s: HRN EN ISO 8028:2024

HRN EN 15346:2014 en  
Plastika – Reciklirana plastika – Karakterizacija poli(vinil-kloridnih) (PVC) reciklata (EN 15346:2014)  
Plastics – Recycled plastics – Characterisation of poly(vinyl chloride) (PVC) recyclates (EN 15346:2014)  
- zamijenjena s: HRN EN 15346:2024

HRN EN 15347:2008 en  
Plastika – Reciklirana plastika – Karakterizacija plastičnog otpada (EN 15347:2007)  
Plastics – Recycled Plastics – Characterisation of plastics wastes (EN 15347:2007)  
- zamijenjena s: HRN EN 15347-1:2024

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

HRN EN 13880-3:2004 en  
Vruće brtvene mase – 3. dio: Ispitna metoda za određivanje prodiranja i povrata (elastičnosti) (EN 13880-3:2003)  
Hot applied joint sealants – Part 3: Test method for the determination of penetration and recovery (resilience) (EN 13880-3:2003)  
- zamijenjena s: HRN EN 13880-3:2024

HRN EN 13880-4:2004 en  
Vruće brtvene mase – 4. dio: Ispitna metoda za određivanje otpornosti na toplinu – Promjena vrijednosti prodiranja (EN 13880-4:2003)  
Hot applied joint sealants – Part 4: Test method for the determination of heat resistance – Change in penetration value (EN 13880-4:2003)  
- zamijenjena s: HRN EN 13880-4:2024

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

HRN EN ISO 13351:2010 en  
Ventilatori – Dimenzije (ISO 13351:2009; EN ISO 13351:2009)  
Fans – Dimensions (ISO 13351:2009; EN ISO 13351:2009)  
- zamijenjena s: HRN EN ISO 13351:2024

HRN EN ISO 16890-3:2016 en  
Zračni filtri za opću ventilaciju – 3. dio: Određivanje gravimetrijske učinkovitosti i otpora strujanju zraka u ovisnosti o prikupljenoj masi ispitne prašine (ISO 16890-3:2016; EN ISO 16890-3:2016)  
Air filters for general ventilation – Part 3: Determination of the gravimetric efficiency and the air flow resistance versus the mass of test dust captured (ISO 16890-3:2016; EN ISO 16890-3:2016)  
- zamijenjena s: HRN EN ISO 16890-3:2024

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

HRN EN 167:2002 en  
Osobna zaštita očiju – Optičke metode ispitivanja (EN 167:2001)  
Personal eye-protection – Optical test methods (EN 167:2001)  
- bez zamjene

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

HRN EN 1049-2:2003 en  
Tekstil – Tkanine – Konstrukcija – Metode analize – 2. dio: Određivanje broja niti na jedinici duljine (ISO 7211-2:1984, preinačena; EN 1049-2:1993)  
Textiles – Woven fabrics – Construction – Methods of analysis – Part 2: Determination of number of threads per unit length (ISO 7211-2:1984 modified; EN 1049-2:1993)  
- zamijenjena s: HRN EN ISO 7211-2:2024

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

HRN EN 1964-3:2002 en  
Prenosive plinske boce – Specifikacija za projekt i konstrukciju ponovno punjivih prenosivih bešavnih čeličnih plinskih boca vodenih kapaciteta od 0,5 l do uključivo 150 l – 3. dio: Bešavne boce izrađene od nehrđajućeg čelika s vrijednošću (R<sub>m</sub>)max manjom od 1100 Mpa (EN 1964-3:2000)  
Transportable gas cylinders – Specification for the design and construction of refillable transportable seamless steel gas cylinders of water capacities from 0,5 litre up to and including 150 litres – Part 3: Cylinders made of seamless stainless steel with an (R<sub>m</sub>)max value of less than 1100 MPa (EN 1964-3:2000)  
- bez zamjene

HRN EN 13445-5:2021 en  
Neložene posude pod tlakom – 5. dio: Pregled i ispitivanje  
(EN 13445-5:2021, 1. izdanje 2021-05)  
Unfired pressure vessels – Part 5: Inspection and testing  
(EN 13445-5:2021, Issue 1 2021-05)  
- zamijenjena s: HRN EN 13445-5:2024

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

HRN EN 1870-3:2014 en  
Sigurnost strojeva za obradu drva – Kružne pile – 3. dio: Pile za poprečno prepiljivanje i dvonamjenske pile za poprečno rezanje/stolovi kružnih pila (EN 1870-3:2014)  
Safety of woodworking machines – Circular sawing machines – Part 3: Down cutting cross-cut saws and dual purpose down cutting cross-cut saws/circular saw benches (EN 1870-3:2014)  
- bez zamjene

HRN EN 1870-7:2013 en  
Sigurnost strojeva za obradu drva – Kružne pile – 7. dio: Kružne pile za trupce s jednom pilom, s ugrađenim posmakom stola i ručnim ulaganjem i/ili odlaganjem (EN 1870-7:2012)  
Safety of woodworking machines – Circular sawing machines – Part 7: Single blade log sawing machines with integrated feed table and manual loading and/or unloading (EN 1870-7:2012)  
- bez zamjene

HRN EN 1870-15:2013 en  
Sigurnost strojeva za obradu drva – Kružne pile – 15. dio: Višelistne kružne pile s ugrađenim posmakom obratka i ručnim ulaganjem i/ili odlaganjem (EN 1870-15:2012)  
Safety of woodworking machines – Circular sawing machines – Part 15: Multi-blade cross-cut sawing machines with integrated feed of the workpiece and manual loading and/or unloading (EN 1870-15:2012)  
- bez zamjene

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

HRN EN ISO 22174:2005 en  
Mikrobiologija hrane i stočne hrane – PCR za otkrivanje patogena koji potječu iz hrane – Opći zahtjevi i definicije (ISO 22174:2005; EN ISO 22174:2005)  
Microbiology of food and animal feeding stuffs – Polymerase chain reaction (PCR) for the detection of food-borne pathogens – General requirements and definitions (ISO 22174:2005; EN ISO 22174:2005)  
- zamijenjena s: HRN EN ISO 22174:2024

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

HRN EN 13451-1:2020 en  
Oprema za bazene – 1. dio: Opći sigurnosni zahtjevi i metode ispitivanja za opremu ugrađenu u bazene za javnu uporabu (EN 13451-1:2020)  
Swimming pool equipment – Part 1: General safety requirements and test methods for equipment installed in pools for public use (EN 13451-1:2020)  
- zamijenjena s: HRN EN 13451-1:2024

HRN EN 15288-1:2018 en  
Bazeni za javnu uporabu – 1. dio: Sigurnosni zahtjevi za projektiranje (EN 15288-1:2018)  
Swimming pools for public use – Part 1: Safety requirements for design (EN 15288-1:2018)  
- zamijenjena s: HRN EN 15288-1:2024

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

HRN EN ISO 23611-5:2013 en  
Kvaliteta tla – Uzorkovanje beskralježnjaka u tlu – 5. dio: Uzorkovanje i izdvajanje makro beskralježnjaka (ISO 23611-5:2011; EN ISO 23611-5:2013)  
Soil quality – Sampling of soil invertebrates – Part 5: Sampling and extraction of soil macro-invertebrates (ISO 23611-5:2011; EN ISO 23611-5:2013)  
- zamijenjena s: HRN EN ISO 23611-5:2024

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

HRN ISO/IEC 27005:2023 en  
Informacijska sigurnost, kibernetička sigurnost i zaštita privatnosti – Smjernice za upravljanje rizikom informacijske sigurnosti (ISO/IEC 27005:2022)  
Information security, cybersecurity and privacy protection – Guidance on managing information security risks (ISO/IEC 27005:2022)  
- zamijenjena s: HRN EN ISO/IEC 27005:2024

### **HZN/TO E44, Elektrotehnička sigurnost strojeva**

HRN EN 62061:2008 en  
Sigurnost strojeva – Funkcionalna sigurnost za električne, elektroničke i programibilne upravljačke sustave (IEC 62061:2005; EN 62061:2005)  
Safety of machinery – Functional safety of safety-related electrical, electronic and programmable electronic control systems (IEC 62061:2005; EN 62061:2005)  
- zamijenjena s: HRN EN IEC 62061:2021

HRN EN 62061:2008/A1:2013 en  
Sigurnost strojeva – Funkcionalna sigurnost za električne, elektroničke i programibilne upravljačke sustave (IEC 62061:2005/am1:2012; EN 62061:2005/A1:2013)  
Safety of machinery – Functional safety of safety-related electrical, electronic and programmable electronic control systems (IEC 62061:2005/am1:2012; EN 62061:2005/A1:2013)  
- zamijenjena s: HRN EN IEC 62061:2021

HRN EN 62061:2008/A2:2015 en  
Sigurnost strojeva – Funkcionalna sigurnost za električne, elektroničke i programibilne upravljačke sustave (IEC 62061:2005/am2:2015; EN 62061:2005/A2:2015)  
Safety of machinery – Functional safety of safety-related electrical, Electronic and programmable electronic control systems (IEC 62061:2005/am2:2015; EN 62061:2005/A2:2015)  
- zamijenjena s: HRN EN IEC 62061:2021

HRN EN 62061:2008/Ispr.1:2011 en  
Sigurnost strojeva – Funkcionalna sigurnost za električne, elektroničke i programibilne upravljačke sustave (EN 62061:2005/AC:2010)  
Safety of machinery – Functional safety of safety-related electrical, electronic and programmable electronic control systems (EN 62061:2005/AC:2010)  
- zamijenjena s: HRN EN IEC 62061:2021

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

HRN EN 60216-3:2008 en  
Električni izolacijski materijali – Svojstva toplinske izdržljivosti – 3. dio: Upute za izračunavanje karakteristika toplinske izdržljivosti (IEC 60216-3:2006; EN 60216-3:2006)  
Electrical insulating materials – Thermal endurance properties – Part 3: Instructions for calculating thermal endurance characteristics (IEC 60216-3:2006; EN 60216-3:2006)  
- zamijenjena s: HRN EN IEC 60216-3:2021

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

HRN EN ISO 17895:2005 en  
Boje i lakovi – Određivanje sadržaja hlapljivih organskih sastojaka u slabo hlapljivim disperzijskim prekrivnim materijalima (ISO 17895:2005; EN ISO 17895:2005)  
Paints and varnishes – Determination of the volatile organic compound content of low-VOC emulsion paints (in-can VOC) (ISO 17895:2005; EN ISO 17895:2005)  
- zamijenjena s: HRN EN ISO 17895:2024

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

HRN EN 1143-2:2014 en  
Jedinice za sigurno pohranjivanje – Zahtjevi, klasifikacija i metode ispitivanja otpornosti na provala – 2. dio: Depozitni sustavi (EN 1143-2:2014)  
Secure storage units – Requirements, classification and methods of tests for resistance to burglary – Part 2: Deposit systems (EN 1143-2:2014)  
- zamijenjena s: HRN EN 1143-2:2024

## HZNTU N1, Nemetalni materijali 1

HRN EN ISO 22459:2022 en

Fine ceramics (advanced ceramics, advanced technical ceramics) – Reinforcement of ceramic composites – Determination of distribution of tensile strength and tensile strain to failure of filaments within a multifilament tow at ambient temperature (ISO 22459:2020; EN ISO 22459:2022)  
- zamijenjena s: HRN EN ISO 22459:2024

## HZNTU S1, Zdravlje, okoliš i medicinska oprema 1

HRN EN ISO 6872:2015 en

Stomatologija – Keramički materijali (ISO 6872:2015; EN ISO 6872:2015)  
Dentistry – Ceramic materials (ISO 6872:2015; EN ISO 6872:2015)  
- zamijenjena s: HRN EN ISO 6872:2024

HRN EN ISO 6872:2015/A1:2018 en

Stomatologija – Keramički materijali (ISO 6872:2015/Amd 1:2018; EN ISO 6872:2015/A1:2018)  
Dentistry – Ceramic materials (ISO 6872:2015/Amd 1:2018; EN ISO 6872:2015/A1:2018)  
- zamijenjena s: HRN EN ISO 6872:2024

HRN EN ISO 23500-1:2019 en

Priprema i upravljanje kvalitetom tekućina za hemodijalizu i srodne terapije – 1. dio: Opći zahtjevi (ISO 23500-1:2019; EN ISO 23500-1:2019)  
Preparation and quality management of fluids for haemodialysis and related therapies – Part 1: General requirements (ISO 23500-1:2019; EN ISO 23500-1:2019)  
- zamijenjena s: HRN EN ISO 23500-1:2024

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

HRN EN 2348:2008 en

Nizovi o zrakoplovstvu – Skupovi kontrolnih kabela – Tehničke specifikacije (EN 2348:1988)  
Aerospace series – Control cable assemblies – Technical specification (EN 2348:1988)  
- bez zamjene

HRN EN 2353:2008 en

Nizovi o zrakoplovstvu – "Turnbareli", kabela za upravljanje izrađeni od čelika otpornog na koroziju – Dimenzije i opterećenja (EN 2353:1988)  
Aerospace series – Turnbarrels, control cable in corrosion resisting steel – Dimensions and loads (EN 2353:1988)  
- bez zamjene

HRN EN 2354:2008 en

Nizovi o zrakoplovstvu – "Eye-ends" s navojem, kabela za upravljanje izrađeni od čelika otpornog na koroziju – Dimenzije i opterećenja (EN 2354:1988)  
Aerospace series – Eye-ends, threaded, control cable in corrosion resisting steel – Dimensions and loads (EN 2354:1988)  
- bez zamjene

HRN EN 2355:2008 en

Nizovi o zrakoplovstvu – Viljuškasti krajevi s navojem, kabela za upravljanje izrađeni od čelika otpornog na koroziju – Dimenzije i opterećenja (EN 2355:1988)  
Aerospace series – Fork-ends, threaded, control cable in corrosion resisting steel – Dimensions and loads (EN 2355:1988)  
- bez zamjene

HRN EN 2356:2008 en

Nizovi o zrakoplovstvu – Viljuškasti krajevi s navojem, kabela za upravljanje za kotrljajuće ležajeve izrađeni od čelika otpornog na koroziju – Dimenzije i opterećenja (EN 2356:1988)  
Aerospace series – Fork-ends threaded, control cable for rolling bearings in corrosion resisting steel – Dimensions and loads (EN 2356:1988)  
- bez zamjene

HRN EN 2357:2008 en

Nizovi o zrakoplovstvu – "Stud-ends" tip s uvrtnjem, kabela za upravljanje izrađeni od čelika otpornog na koroziju – Dimenzije i opterećenja (EN 2357:1988)  
Aerospace series – Stud-ends in corrosion resisting steel swaged on type, control cable – Dimensions and loads (EN 2357:1988)  
- bez zamjene

HRN EN 2358:2008 en

Nizovi o zrakoplovstvu – "Eye-ends" tip s uvrtnjem, kabela za upravljanje izrađeni od čelika otpornog na koroziju – Dimenzije i opterećenja (EN 2358:1988)  
Aerospace series – Eye-ends in corrosion resisting steel swaged on type, control cable – Dimensions and loads (EN 2358:1988)  
- bez zamjene

HRN EN 2359:2008 en

Nizovi o zrakoplovstvu – Viljuškasti krajevi tip s uvrtnjem, kabela za upravljanje izrađeni od čelika otpornog na koroziju – Dimenzije i opterećenja (EN 2359:1988)  
Aerospace series – Fork-ends in corrosion resisting steel swaged on type, control cable – Dimensions and loads (EN 2359:1988)  
- bez zamjene

HRN EN 2360:2008 en

Nizovi o zrakoplovstvu – Viljuškasti krajevi, tip s uvrtnjem za kotrljajuće ležajeve, kabela za upravljanje izrađeni od čelika otpornog na koroziju – Dimenzije i opterećenja (EN 2360:1988)  
Aerospace series – Fork-ends for rolling bearings in corrosion resisting steel swaged on type, control cable – Dimensions and loads (EN 2360:1988)  
- bez zamjene

HRN EN 2361:2008 en

Nizovi o zrakoplovstvu – "Ball-ends" s dvostrukim strukom, tip s uvrtnjem, kabela za upravljanje izrađeni od čelika otpornog na koroziju – Dimenzije i opterećenja (EN 2361:1988)  
Aerospace series – Ball-ends, double shank in corrosion resisting steel swaged on type, control cable – Dimensions and loads (EN 2361:1988)  
- bez zamjene

HRN EN 2362:2008 en

Nizovi o zrakoplovstvu – "Ball-ends" tip s uvrtnjem, kabela za upravljanje izrađeni od čelika otpornog na koroziju – Dimenzije i opterećenja (EN 2362:1988)  
Aerospace series – Ball-ends in corrosion resisting steel swaged on type, control cable – Dimensions and loads (EN 2362:1988)  
- bez zamjene

HRN EN 2363:2008 en

Nizovi o zrakoplovstvu – Obujmice za zateznice kabela za upravljanje – Dimenzije (EN 2363:1988)  
Aerospace series – Locking clips for turnbuckles of control cables – Dimensions (EN 2363:1988)  
- bez zamjene

HRN EN 2467:2008 en

Nizovi o zrakoplovstvu – Čelik FE-PA3901 (X2CrNi18-9) – Taljen na zraku – Omekšan – Ploča, lim i traka – 0,4 mm ≤ a ≤ 20 mm – 520 MPa ≤ Rm ≤ 670 MPa (EN 2467:2007)  
Aerospace series – Steel FE-PA3901 (X2CrNi18-9) – Air melted – Softened – Plate, sheet and strip – 0,4 mm ≤ a ≤ 20 mm – 520 MPa ≤ Rm ≤ 670 MPa (EN 2467:2007)  
- zamijenjena s: HRN EN 2467:2024

HRN EN 2609:2008 en

Nizovi o zrakoplovstvu – Držaci, za upravljačke kabele od legura bakra i cinka – Dimenzije i opterećenja (EN 2609:1988)  
Aerospace series – Turnbarrels, control cable in copper-zinc alloys – Dimensions and loads (EN 2609:1988)  
- bez zamjene

HRN EN 2641:2008 en

Nizovi o zrakoplovstvu – Sklopovi kontrolnih kabela – Kombinacije i dimenzije (EN 2641:1988)  
Aerospace series – Control cable assemblies – Combinations and dimensions (EN 2641:1988)  
- bez zamjene

HRN EN 2821:2008 en

Nizovi o zrakoplovstvu – Čelik FE-PM1802 (X5CrNiCu15-5) – Pretopljen topljivom elektrodom – Tretiran otopinom i precipitatom – Šipke za strojnu obradu – a ili D ≤ 200 mm – Rm ≥ 1310 MPa (EN 2821:2007)  
Aerospace series – Steel FE-PM1802 (X5CrNiCu15-5) – Consumable electrode remelted – Solution treated and precipitation treated – Bar for machining – a or D ≤ 200 mm – Rm ≥ 1310 MPa (EN 2821:2007)  
- zamijenjena s: HRN EN 2821:2024

- HRN EN 3155-002:2011 en  
Nizovi o zrakoplovstvu – Električni kontakti koji se upotrebljavaju u elementima za povezivanje – 002. dio: Popis upotrebe kontakta (EN 3155-002:2011)  
Aerospace series – Electrical contacts used in elements of connection – Part 002: List and utilization of contacts (EN 3155-002:2011)  
- zamijenjena s: HRN EN 3155-002:2024
- HRN EN 3298:2008 en  
Nizovi o zrakoplovstvu – Zatici, s tankim zidom, samozatvarajući – Postupak ugradnje i uklanjanja (EN 3298:2008)  
Aerospace series – Inserts, thin wall, self-locking – Installation and removal procedure (EN 3298:2008)  
- bez zamjene
- HRN EN 3361:2008 en  
Nizovi o zrakoplovstvu – Čelik FE-PM1802 (X5CrNiCu15-5) – Pretopljen elektrodom za zavarivanje, tretiran otopinom i precipitatom, lim i traka a ≤ 6mm, 1070 MPa ≤ Rm ≤ 1220 MPa (EN 3361:2007)  
Aerospace series – Steel FE-PM1802 (X5CrNiCu15-5) – Consumable electrode remelted, solution treated and precipitation treated, sheet and strip a ≤ 6mm, 1070 MPa ≤ Rm ≤ 1220 MPa (EN 3361:2007)  
- zamijenjena s: HRN EN 3361:2024
- HRN EN 3488:2008 en  
Nizovi o zrakoplovstvu – Čelik FE-PA3601 (X6CrNiTi18-10) – Taljen na zraku – Omekšan – Lim i traka – a ≤ 6 mm – 500 MPa ≤ Rm ≤ 700 MPa (EN 3488:2007)  
Aerospace series – Steel FE-PA3601 (X6CrNiTi18-10) – Air melted – Softened – Sheet and strip – a ≤ 6 mm – 500 MPa ≤ Rm ≤ 700 MPa (EN 3488:2007)  
- zamijenjena s: HRN EN 3488:2024
- HRN EN 3676:2008 en  
Nizovi o zrakoplovstvu – Zatici, s tankim zidom, samozatvarajući – Norma za projektiranje (EN 3676:1998)  
Aerospace series – Inserts, thin wall, self-locking – Design standard (EN 3676:1998)  
- bez zamjene
- HRN EN 4258:2008 en  
Nizovi o zrakoplovstvu – Metalni materijali – Opća organizacija normizacije – Veza između tipova EN norma i njihova upotreba (EN 4258:1998)  
Aerospace series – Metallic materials – General organization of standardization – Links between types of EN standards and their use (EN 4258:1998)  
- zamijenjena s: HRN EN 4258:2024
- HRN EN 4500-001:2013 en  
Zrakoplovni niz – Metalni materijali – Pravila za crtanje i prikazivanje norma za materijale – 001. dio: Opći zahtjevi (EN 4500-001:2012)  
Aerospace series – Metallic materials – Rules for drafting and presentation of material standards – Part 001: General rules (EN 4500-001:2012)  
- zamijenjena s: HRN EN 4500-001:2024
- HRN EN 4500-003:2013 en  
Zrakoplovni niz – Metalni materijali – Pravila za crtanje i prikazivanje norma za materijale – 003. dio: Posebna pravila za legure otporne na toplinu (EN 4500-003:2012)  
Aerospace series – Metallic materials – Rules for drafting and presentation of material standards – Part 003: Specific rules for heat resisting alloys (EN 4500-003:2012)  
- zamijenjena s: HRN EN 4500-003:2024
- HRN EN 4500-004:2013 en  
Zrakoplovni niz – Metalni materijali – Pravila za crtanje i prikazivanje norma za materijale – 004. dio: Posebna pravila za titan i legure titana (EN 4500-004:2012)  
Aerospace series – Metallic materials – Rules for drafting and presentation of material standards – Part 004: Specific rules for titanium and titanium alloys (EN 4500-004:2012)  
- zamijenjena s: HRN EN 4500-004:2024
- HRN EN 4500-005:2013 en  
Zrakoplovni niz – Metalni materijali – Pravila za crtanje i prikazivanje norma za materijale – 005. dio: Posebna pravila za čelike (EN 4500-005:2012)  
Aerospace series – Metallic materials – Rules for drafting and presentation of material standards – Part 005: Specific rules for steels (EN 4500-005:2012)  
- zamijenjena s: HRN EN 4500-005:2024
- HRN EN 4630:2015 en  
Zrakoplovstvo – Čelik FE-PM 3504 (X4CrNiMo16-5-1) – Taljen na zraku – Kaljen i termički obrađen – Otkivci – De ≤ 200 mm – 900 MPa ≤ Rm ≤ 1050 MPa (EN 4630:2014)  
Aerospace series – Steel X4CrNiMo16-5-1 (1.4418) – Air melted – Hardened and tempered – Forgings – De ≤ 200 mm – 900 MPa ≤ Rm ≤ 1 050 MPa (EN 4630:2014)  
- zamijenjena s: HRN EN 4630:2024
- HRN EN 4631:2013 en  
Nizovi o zrakoplovstvu – Čelik X4CrNiMo16-5-1 (1.4418) – Taljen na zraku – Kaljen i termički obrađen – Šipka – De = 200 mm – 900 MPa = Rm = 1050 MPa (EN 4631:2013)  
Aerospace series – Steel X4CrNiMo16-5-1 (1.4418) – Air melted – Hardened and tempered – Bar – De = 200 mm – 900 MPa = Rm = 1050 MPa (EN 4631:2013)  
- zamijenjena s: HRN EN 4631:2024
- HRN EN 4641-301:2022 en  
Zrakoplovstvo – Kabeli, optički, promjera omotača 125 µm – 301. dio: Čvrsta konstrukcija 50/125 µm GI vlakana nazivnoga vanjskog promjera 1,8 mm – Norma za proizvod (EN 4641-301:2022)  
Aerospace series – Cables, optical 125 µm diameter cladding – Part 301: Tight structure 50/125 µm GI, fibre nominal 1,8 mm, outside diameter – Product standard (EN 4641-301:2022)  
- zamijenjena s: HRN EN 4641-301:2024
- HRN EN 9239:2016 en  
Zrakoplovstvo – Upravljanje programom – Upute za upravljanje rizikom (EN 9239:2016)  
Aerospace series – Programme Management – Guide for the risk management (EN 9239:2016)  
- zamijenjena s: HRN EN 9239:2024

## HZN/TU U1, Opća elektrotehnika 1

- HRN EN 60068-2-11:2008 en  
Ispitivanje utjecaja okoliša – 2. dio: Ispitivanja – Ka ispitivanje: Slana magla (IEC 60068-2-11:1981; EN 60068-2-11:1999)  
Environmental testing – Part 2: Tests – Test Ka: Salt mist (IEC 60068-2-11:1981; EN 60068-2-11:1999)  
- zamijenjena s: HRN EN IEC 60068-2-11:2021
- HRN EN 60068-2-13:2008 en  
Ispitivanje utjecaja okoliša – 2. dio: M ispitivanje: Niski tlak zraka (IEC 60068-2-13:1983; EN 60068-2-13:1999)  
Environmental testing – Part 2: Tests – Test M: Low air pressure (IEC 60068-2-13:1983; EN 60068-2-13:1999)  
- zamijenjena s: HRN EN IEC 60068-2-13:2021
- HRN EN 60068-2-38:2010 en  
Ispitivanje utjecaja okoliša – Dio 2-38: Ispitivanja – Z/AD ispitivanje: Složeno cikličko ispitivanje temperatura/vlažnost (IEC 60068-2-38:2009; EN 60068-2-38:2009)  
Environmental testing – Part 2-38: Tests – Test Z/AD: Composite temperature/humidity cyclic test (IEC 60068-2-38:2009; EN 60068-2-38:2009)  
- zamijenjena s: HRN EN IEC 60068-2-38:2021
- HRN EN 61788-17:2013 en  
Supravodljivost – 17. dio: Mjerenja elektroničkih karakteristika – Lokalna gustoća kritične struje i njezina raspodjela u supravodljivim slojevima velike površine (IEC 61788-17:2013; EN 61788-17:2013)  
Superconductivity – Part 17: Electronic characteristic measurements – Local critical current density and its distribution in large-area superconducting films (IEC 61788-17:2013; EN 61788-17:2013)  
- zamijenjena s: HRN EN IEC 61788-17:2021

## 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/TU I2, Strojstvo 2

- **umjesto**

HRN EN ISO 18589-3:2024

Mjerenje radioaktivnosti u okolišu – Tlo – 3. dio: Metoda ispitivanja radionuklida koji emitiraju gama zračenje primjenom gama spektrometrije (ISO 18589-3:2023; EN ISO 18589-3:2024)

Measurement of radioactivity in the environment – Soil – Part 3: Test method of gamma-emitting radionuclides using gamma-ray spectrometry (ISO 18589-3:2023; EN ISO 18589-3:2024)

- **treba biti**

HRN EN ISO 18589-3:2024

Mjerenje radioaktivnosti u okolišu – Tlo – 3. dio: Metoda ispitivanja radionuklida koji emitiraju gama zračenje primjenom gama spektrometrije (ISO 18589-3:2023, **ispravljena verzija 2024-08**; EN ISO 18589-3:2024)

Measurement of radioactivity in the environment – Soil – Part 3: Test method of gamma-emitting radionuclides using gamma-ray spectrometry (ISO 18589-3:2023, **Corrected version 2024-08**; EN ISO 18589-3:2024)

## 2 Rezultati međunarodne i europske normizacije

### Europska normizacija (CEN)

Oznaka norme	Naslov norme	ICS	Datum objave
EN 81-44	Safety rules for the construction and installation of lifts – Special lifts for the transport of persons and goods – Part 44: Lifting appliances in wind turbines	27.180; 91.140.90	srpanj 2024.
EN 556-1	Sterilization of medical devices – Requirements for medical devices to be designated "STERILE" – Part 1: Requirements for terminally sterilized medical devices	11.080.01	srpanj 2024.
EN 915	Gymnastic equipment – Asymmetric bars – Requirements and test methods including safety	97.220.30	srpanj 2024.
EN 1888-3	Child care articles – Wheeled child conveyances – Part 3: Pushchairs intended for leisure sport activities	97.190	srpanj 2024.
EN 2884	Aerospace series – Screws, pan head, offset cruciform recess, coarse tolerance normal shank, short thread, in titanium alloy, anodized, MoS <sub>2</sub> lubricated – Classification: 1100 MPa (at ambient temperature)/315 °C	49.030.20	srpanj 2024.
EN 2997-012	Aerospace series – Connectors, electrical, circular, coupled by threaded ring, fire-resistant or non-fire-resistant, operating temperatures -65 °C to 175 °C continuous, 200 °C continuous, 260 °C peak – Part 012: Jam-nut for jam-nut receptacles – Product standard	49.060	srpanj 2024.
EN 4013	Aerospace series – Shank nut, self-locking, in heat resisting nickel base alloy NI PH2601 (Inconel 718), silver plated – Classification: 1550 MPa (at ambient temperature)/600 °C	49.030.30	srpanj 2024.
EN 4157	Aerospace series – Rod end, with self-aligning double row ball bearing and threaded shank in steel – Dimensions and loads, Inch series	49.035	srpanj 2024.
EN 4827	Aerospace series – Hexavalent chromium free anodizing of aluminium and aluminium alloys	49.025.20; 49.040	srpanj 2024.
EN 4886	Aerospace series – Rotorcraft life raft – Requirements, testing and marking	13.200; 49.020	srpanj 2024.
EN 4890/A1	Aerospace series – Steel X4CrNiMo16-5-1 – Air melted – Hardened and tempered – Sheets and plates – 0,3 mm ≤ a ≤ 50 mm – 900 MPa ≤ Rm ≤ 1050 MPa	49.025.10	srpanj 2024.
EN 6024	Aerospace series – Screw, 100° countersunk reduced head, offset cruciform recess, close tolerance shank, short thread, in titanium alloy, anodized, MoS <sub>2</sub> lubricated – Classification: 1100 MPa (at ambient temperature)/315 °C – Inch series	49.030.20	srpanj 2024.
EN 10248-2	Hot-rolled steel sheet piles – Part 2: Tolerances on dimensions and shape	77.140.70	srpanj 2024.
EN 10249-2	Cold formed steel sheet piles – Part 2: Tolerances on dimensions and shape	77.140.70	srpanj 2024.
EN 12077-2	Cranes safety – Requirements for health and safety – Part 2: Limiting and indicating devices	53.020.20	srpanj 2024.
EN 12159	Builders hoists for persons and materials with vertically guided cages	91.140.90	srpanj 2024.
EN 12312-1	Aircraft ground support equipment – Specific requirements – Part 1: Passenger stairs	49.100	srpanj 2024.
EN 12416-1	Fixed firefighting systems – Powder systems – Part 1: Requirements and test methods for components	13.220.20	srpanj 2024.
EN 12953-3/AC	Shell boilers – Part 3: Design and calculation for pressure parts	27.060.30; 27.100	srpanj 2024.
EN 13480-1	Metallic industrial piping – Part 1: General	23.040.03	srpanj 2024.
EN 13480-2	Metallic industrial piping – Part 2: Materials	23.040.01	srpanj 2024.
EN 13480-3	Metallic industrial piping – Part 3: Design and calculation	23.040.01	srpanj 2024.
EN 13480-4	Metallic industrial piping – Part 4: Fabrication and installation	23.040.01	srpanj 2024.
EN 13480-5	Metallic industrial piping – Part 5: Inspection and testing	23.040.01	srpanj 2024.
EN 13480-6	Metallic industrial piping – Part 6: Additional requirements for buried piping	23.040.01	srpanj 2024.
EN 13480-8	Metallic industrial piping – Part 8: Additional requirements for aluminium and aluminium alloy piping	23.040.01	srpanj 2024.
EN 13814-1+A1	Safety of amusement rides and amusement devices – Part 1: Design and manufacture	97.200.40	srpanj 2024.

Oznaka norme	Naslov norme	ICS	Datum objave
EN 13814-2+A1	Safety of amusement rides and amusement devices – Part 2: Operation, maintenance and use	97.200.40	srpanj 2024.
EN 13814-3+A1	Safety of amusement rides and amusement devices – Part 3: Requirements for inspection during design, manufacture, operation and use	97.200.40	srpanj 2024.
EN 13991	Derivatives from coal pyrolysis – Coal tar based oils: creosotes – Specifications and test methods	71.100.50; 75.140	srpanj 2024.
EN 14972-12	Fixed firefighting systems – Water mist systems – Part 12: Test protocol for commercial deep fat cooking fryers for manually activated open nozzle systems	13.220.20; 97.040.20	srpanj 2024.
EN 15004-11	Fixed firefighting systems – Gas extinguishing systems – Part 11: Physical properties and systems design of gas extinguishing systems for Halocarbon Blend 55 extinguishant (ISO 14520-17:2022, modified)	13.220.20	srpanj 2024.
EN 15187	Furniture – Assessment of the effect of light exposure	97.140	srpanj 2024.
EN 15502-2-2	Gas-fired central heating boilers – Part 2-2: Specific standard for type B1 appliances	27.060.30; 91.140.10	srpanj 2024.
EN 15520	Thermal spraying – Recommendations for constructional design of components with thermally sprayed coatings	25.220.20	srpanj 2024.
EN 15877-1	Railway applications – Markings of railway vehicles – Part 1: Freight wagons	45.060.20	srpanj 2024.
EN 16186-8+A1	Railway applications – Driver's cab – Part 8: Tram vehicle layout and access	45.060.10; 45.140	srpanj 2024.
EN 16482	Founding – Continuous cast iron bars	77.080.10	srpanj 2024.
EN 16986	Electronic fee collection – Interoperable application profiles for information exchange between service provision and toll charging	35.240.60	srpanj 2024.
CEN/TS 17152-4	Plastics piping systems for non-pressure underground conveyance and storage of non-potable water – Boxes used for infiltration, attenuation and storage systems – Part 4: Guidance for structural design of modular systems	23.040.01	srpanj 2024.
EN 17328	Complementary product category rules for gypsum-based construction products	91.100.10	srpanj 2024.
EN 17399	Algae and algae products – Vocabulary	01.040.13; 13.020.55	srpanj 2024.
EN 17836	Fertilizers – Description of the forms of the physical unit	01.060; 65.080	srpanj 2024.
EN 17881	Food authenticity – DNA barcoding of bivalves and products derived from bivalves using a defined mitochondrial 16S rRNA gene segment	07.080; 67.020; 67.120.30	srpanj 2024.
EN 17882	Food authenticity – DNA barcoding of meat derived from mammals and birds using defined mitochondrial cytochrome b and cytochrome c oxidase I gene segments	07.080; 67.020; 67.120.10	srpanj 2024.
CEN/TS 17883	Environmental characterization of eluates from leaching of waste and soil using reproductive and toxicological gene expression in Daphnia magna	13.030.01; 13.060.70; 13.080.99	srpanj 2024.
EN 17899	Water quality – Spectrophotometric determination of chlorophyll-a content by ethanol extraction for the routine monitoring of water quality	13.060.70; 71.040.50	srpanj 2024.
EN 17950	Protective helmets – Test methods – Shock absorption including measuring rotational kinematics	13.340.20	srpanj 2024.
EN 17983	Algae and algae products – Measurement for renewable algal raw material for energy and non-energy applications	13.020.55	srpanj 2024.
EN 18007-1	Electromagnetic pulse welding – Part 1: Welding knowledge, terminology and vocabulary	01.040.25; 25.160.10	srpanj 2024.
EN 18007-2	Electromagnetic pulse welding – Part 2: Design of welded joints	25.160.10; 25.160.40	srpanj 2024.
EN 18007-3	Electromagnetic pulse welding – Part 3: Qualification of welding operators and weld setters	25.160.01; 25.160.10	srpanj 2024.
EN 18007-4	Electromagnetic pulse welding – Part 4: Specification and qualification of welding procedures	25.160.10	srpanj 2024.
EN 18007-5	Electromagnetic pulse welding – Part 5: Quality and inspection requirements	25.160.10	srpanj 2024.

Oznaka norme	Naslov norme	ICS	Datum objave
EN 18015	Automotive fuels – Determination of hydrocarbon group types and select hydrocarbon and oxygenate compounds – Gas chromatography with vacuum ultraviolet absorption spectroscopy (GC-VUV) method	75.160.20	srpanj 2024.
CEN/TS 18044	Ambient air – Determination of the concentration of levoglucosan – Chromatographic method	13.040.20	srpanj 2024.
CEN/TR 18081	Building automation, controls and building management – Smart building – Description and aspects	35.240.67; 91.040.01; 97.120	srpanj 2024.
CWA 18123	Guidelines on Action Research for Large Scale Piloting	03.100.40	srpanj 2024.
CWA 18125	Trusted Data Transaction	35.030	srpanj 2024.
CWA 18127	EUB SuperHub – A harmonization of KPIs for supporting the next generation of EPCs	91.120.10	srpanj 2024.
CWA 18129	Evaluation of Process Intensification of Biorefining Processes for Economic and Sustainability Viability – EvaPIBioref	13.020.20	srpanj 2024.
CWA 18130	Standardized scaffolds library for tissue engineering research and industrial applications	11.020.20; 11.040.99; 25.030	srpanj 2024.
CWA 18131	Workflow from medical images towards optimal personalized implant designs	11.040.99; 25.030; 35.240.80	srpanj 2024.
CWA 18132	Methods for the process control of high-resolution mono- and multimaterial additive manufacturing	25.030	srpanj 2024.
EN 50065-2-3	Signalling on low-voltage electrical installations in the frequency range 3 kHz to 148,5 kHz – Part 2-3: Immunity requirements for mains communicating equipment operating in the range of frequencies 3 kHz to 95 kHz and intended for use by electricity suppliers and distributors	33.040.30; 33.100.01; 33.100.20	srpanj 2024.
EN 50172	Emergency escape lighting systems	91.160.10	srpanj 2024.
EN 50436-7	Alcohol interlocks – Test methods and performance requirements – Part 7: Installation document	43.040.10; 71.040.40	srpanj 2024.
EN 50463-1/A1	Railway applications – Energy measurement on board trains – Part 1: General	45.060.10	srpanj 2024.
EN 50463-2/A1	Railway applications – Energy measurement on board trains – Part 2: Energy measuring	45.060.10	srpanj 2024.
EN 50463-5/A1	Railway applications – Energy measurement on board trains – Part 5: Conformity assessment	45.060.10	srpanj 2024.
EN 50735-1	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Environmental aspects – Part 1: Requirements for reparability	25.140.20; 65.060.70	srpanj 2024.
EN IEC 60317-12/A1	Specifications for particular types of winding wires – Part 12: Polyvinyl acetal enamelled round copper wire, class 120 (IEC 60317-12:2020/AMD1:2024)	29.060.10	srpanj 2024.
EN IEC 60317-27-2/A1	Specifications for particular types of winding wires – Part 27-2: Paper tape covered round aluminium wire (IEC 60317-27-2:2020/AMD1:2024)	29.060.10	srpanj 2024.
EN 60335-2-29/A11	Household and similar electrical appliances – Safety – Part 2-29: Particular requirements for battery chargers	29.200; 97.180	srpanj 2024.
EN IEC 60794-1-201	Optical fibre cables – Part 1-201: Generic specification – Basic optical cable test procedures – Environmental test methods – Temperature cycling, method F1 (IEC 60794-1-201:2024)	33.180.10	srpanj 2024.
EN IEC 60794-1-209	Optical fibre cables – Part 1-209: Generic specification – Basic optical cable test procedures – Environmental test methods – Ageing, method F9 (IEC 60794-1-209:2024)	33.180.10	srpanj 2024.
EN 60898-1/A1	Electrical accessories – Circuit-breakers for overcurrent protection for household and similar installations – Part 1: Circuit-breakers for a.c. operation (IEC 60898-1:2015/AMD1:2019)	29.120.50	srpanj 2024.
EN 60898-1/A11	Electrical accessories – Circuit-breakers for overcurrent protection for household and similar installations – Part 1: Circuit-breakers for a.c. operation	29.120.50	srpanj 2024.
EN IEC 61300-2-34	Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 2-34: Tests – Resistance to solvents and contaminating fluids (IEC 61300-2-34:2024)	33.180.20	srpanj 2024.



Oznaka norme	Naslov norme	ICS	Datum objave
EN IEC 61558-2-10	Safety of transformers, reactors, power supply units and combinations thereof – Part 2-10: Particular requirements and tests for separating transformers with high insulation level and separating transformers with output voltages exceeding 1000 V (IEC 61558-2-10:2024)	29.180	srpanj 2024.
EN IEC 61987-32	Industrial-process measurement and control – Data structures and elements in process equipment catalogues – Part 32: Lists of properties (LOP) for I/O modules for electronic data exchange (IEC 61987-32:2024)	25.040.40; 35.240.50	srpanj 2024.
EN ISO 1514	Paints and varnishes – Standard panels for testing (ISO 1514:2024)	87.040	srpanj 2024.
EN ISO 2884-2	Paints and varnishes – Determination of viscosity using rotational viscometers – Part 2: Relative measurement of viscosity using disc or ball spindles at specified speeds (ISO 2884-2:2024)	87.040	srpanj 2024.
EN ISO 5362	Anaesthetic and respiratory equipment – Anaesthetic reservoir bags (ISO 5362:2024)	11.040.10	srpanj 2024.
EN ISO 6887-1/A1	Microbiology of the food chain – Preparation of test samples, initial suspension and decimal dilutions for microbiological examination – Part 1: General rules for the preparation of the initial suspension and decimal dilutions – Amendment 1: Requirements and guidance on the use of larger test portion size for qualitative method (ISO 6887-1:2017/Amd 1:2024)	07.100.30	srpanj 2024.
EN ISO 7218	Microbiology of the food chain – General requirements and guidance for microbiological examinations (ISO 7218:2024)	07.100.30	srpanj 2024.
EN ISO 7301/A1	Rice – Specification – Amendment 1 (ISO 7301:2021/Amd 1:2024)	67.060	srpanj 2024.
EN ISO 7817-1	Building Information Modelling – Level of Information Need – Part 1: Concepts and principles (ISO 7817-1:2024)	35.240.67; 91.010.01	srpanj 2024.
EN ISO 8529-3	Neutron reference radiation fields – Part 3: Calibration of area and personal dosimeters and determination of their response as a function of neutron energy and angle of incidence (ISO 8529-3:2023, including corrected version 2023-09)	17.240	srpanj 2024.
EN ISO 9271	Decontamination of radioactively contaminated surfaces – Testing of decontamination agents for textiles (ISO 9271:2023)	13.280	srpanj 2024.
EN ISO 9717	Metallic and other inorganic coatings – Phosphate conversion coating of metals (ISO 9717:2024)	25.220.20	srpanj 2024.
EN ISO 10075-2	Ergonomic principles related to mental workload – Part 2: Design principles (ISO 10075-2:2024)	13.180	srpanj 2024.
EN ISO 10253	Water quality – Marine algal growth inhibition test with Skeletonema sp. and Phaeodactylum tricornutum (ISO 10253:2024)	13.060.70	srpanj 2024.
EN ISO 10714	Steel and iron – Determination of phosphorus content – Phosphovanadomolybdate spectrophotometric method (ISO 10714:2024)	77.080.01	srpanj 2024.
EN ISO 11890-2/A1	Paints and varnishes – Determination of volatile organic compounds (VOC) and/or semi volatile organic compounds (SVOC) content – Part 2: Gas-chromatographic method – Amendment 1 (ISO 11890-2:2020/Amd 1:2024)	87.040	srpanj 2024.
EN ISO 13426-2	Geotextiles and geotextile-related products – Strength of internal structural junctions – Part 2: Geocomposites (ISO 13426-2:2024)	59.080.70	srpanj 2024.
EN ISO 13585	Brazing – Qualification testing of brazers and brazing operators (ISO 13585:2021)	25.160.01	srpanj 2024.
EN ISO 14146	Radiological protection – Criteria and performance limits for the periodic evaluation of dosimetry services for external radiation (ISO 14146:2024)	13.280	srpanj 2024.
EN ISO 15098	Dentistry – Dental tweezers (ISO 15098:2024)	11.060.20	srpanj 2024.
EN ISO 18081	Non-destructive testing – Acoustic emission testing (AT) – Leak detection by means of acoustic emission (ISO 18081:2024)	19.100	srpanj 2024.
EN ISO 18276	Welding consumables – Tubular cored electrodes for gas-shielded and non-gas-shielded metal arc welding of high strength steels – Classification (ISO 18276:2024)	25.160.20	srpanj 2024.

Oznaka norme	Naslov norme	ICS	Datum objave
EN ISO 18363-3	Animal and vegetable fats and oils – Determination of fatty-acid-bound chloropropanediols (MCPDs) and glycidol by GC/MS – Part 3: Method using acid transesterification and measurement for 2-MCPD, 3-MCPD and glycidol (ISO 18363-3:2024)	67.200.10	srpanj 2024.
EN ISO 18589-2	Measurement of radioactivity in the environment – Soil – Part 2: Guidance for the selection of the sampling strategy, sampling and pre-treatment of samples (ISO 18589-2:2022)	13.080.01; 17.240	srpanj 2024.
EN ISO 19152-3	Geographic information – Land Administration Domain Model (LADM) – Part 3: Marine georegulation (ISO 19152-3:2024)	35.240.70	srpanj 2024.
CEN ISO/TS 19321	Intelligent transport systems – Cooperative ITS – Dictionary of in-vehicle information (IVI) data structures (ISO/TS 19321:2024)	35.240.60; 43.040.15	srpanj 2024.
CEN ISO/TS 19392-5	Paints and varnishes – Coating systems for wind-turbine rotor blades – Part 5: Measurement of transmittance properties of UV protective coatings (ISO/TS 19392-5:2023)	87.040	srpanj 2024.
CEN ISO/TS 19392-6	Paints and varnishes – Coating systems for wind-turbine rotor blades – Part 6: Determination and evaluation of ice adhesion using centrifuge (ISO/TS 19392-6:2023)	87.040	srpanj 2024.
EN ISO 19675	Non-destructive testing – Ultrasonic testing – Specification for a calibration block for phased array testing (PAUT) (ISO 19675:2017)	19.100	srpanj 2024.
EN ISO 20044	Measurement of radioactivity in the environment – Air: aerosol particles – Test method using sampling by filter media (ISO 20044:2022)	13.040.01; 17.240	srpanj 2024.
EN ISO 20045	Measurement of the radioactivity in the environment – Air: tritium – Test method using bubbler sampling (ISO 20045:2023, including corrected version 2023-09)	13.040.01; 17.240	srpanj 2024.
EN ISO 20387/A11	Biotechnology – Biobanking – General requirements for biobanking	7.080	srpanj 2024.
EN ISO 21420/A1	Protective gloves – General requirements and test methods – Amendment 1 (ISO 21420:2020/Amd 1:2022)	13.340.40	srpanj 2024.
EN ISO 21535	Non-active surgical implants – Joint replacement implants – Specific requirements for hip-joint replacement implants (ISO 21535:2023)	11.040.40	srpanj 2024.
EN ISO 21536	Non-active surgical implants – Joint replacement implants – Specific requirements for knee-joint replacement implants (ISO 21536:2023)	11.040.40	srpanj 2024.
EN ISO 23500-2	Preparation and quality management of fluids for haemodialysis and related therapies – Part 2: Water treatment equipment for haemodialysis applications and related therapies (ISO 23500-2:2024)	11.040.40	srpanj 2024.
EN ISO 23588	Radiological protection – General requirements for proficiency tests for in vivo radiobioassay (ISO 23588:2023)	13.280	srpanj 2024.
EN ISO 24342	Resilient and textile floor-covering – Determination of side length, edge straightness and squareness of tiles and planks (ISO 24342:2024)	97.150	srpanj 2024.
EN ISO 24804/A11	Recreational diving services – Requirements for rebreather diver training – No-decompression diving	03.080.30; 03.200.99	srpanj 2024.
EN ISO 24805/A11	Recreational diving services – Requirements for rebreather diver training – Decompression diving to 45 m	03.080.30; 03.200.99	srpanj 2024.
EN ISO 27548	Additive manufacturing of plastics – Environment, health, and safety – Test method for determination of particle and chemical emission rates from desktop material extrusion 3D printer (ISO 27548:2024)	13.040.30; 13.100; 25.030	srpanj 2024.
EN ISO 29461-3	Air intake filter systems for rotary machinery – Test methods – Part 3: Mechanical integrity of filter elements (ISO 29461-3:2024)	29.160.99	srpanj 2024.
EN ISO 29464	Cleaning of air and other gases – Vocabulary (ISO 29464:2024)	01.040.91; 91.140.30	srpanj 2024.
CEN ISO/TR 41019	Facility management's role in sustainability, resilience and adaptability (ISO/TR 41019:2024)	03.080.10; 13.020.20	srpanj 2024.
EN ISO/ASTM 52904	Additive manufacturing of metals – Process characteristics and performance – Metal powder bed fusion process to meet critical applications (ISO/ASTM 52904:2024)	25.030	srpanj 2024.

## Europska normizacija (CENELEC)

Oznaka norme	Naslov norme	ICS	Datum objave
EN 50065-2-3	Signalling on low-voltage electrical installations in the frequency range 3 kHz to 148,5 kHz – Part 2-3: Immunity requirements for mains communicating equipment operating in the range of frequencies 3 kHz to 95 kHz and intended for use by electricity suppliers and distributors	33.040.30; 33.100.01; 33.100.20	srpanj 2024.
EN 50172	Emergency escape lighting systems	91.160.10	srpanj 2024.
EN 50436-7	Alcohol interlocks – Test methods and performance requirements – Part 7: Installation document	43.040.10; 71.040.40	srpanj 2024.
EN 50463-1/A1	Railway applications – Energy measurement on board trains – Part 1: General	45.060.10	srpanj 2024.
EN 50463-2/A1	Railway applications – Energy measurement on board trains – Part 2: Energy measuring	45.060.10	srpanj 2024.
EN 50463-5/A1	Railway applications – Energy measurement on board trains – Part 5: Conformity assessment	45.060.10	srpanj 2024.
EN 50735-1	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Environmental aspects – Part 1: Requirements for repairability	25.140.20; 65.060.70	srpanj 2024.
EN IEC 60317-12/A1	Specifications for particular types of winding wires – Part 12: Polyvinyl acetal enamelled round copper wire, class 120 (IEC 60317-12:2020/AMD1:2024)	29.060.10	srpanj 2024.
EN IEC 60317-27-2/A1	Specifications for particular types of winding wires – Part 27-2: Paper tape covered round aluminium wire (IEC 60317-27-2:2020/AMD1:2024)	29.060.10	srpanj 2024.
EN 60335-2-29/A11	Household and similar electrical appliances – Safety – Part 2-29: Particular requirements for battery chargers	29.200; 97.180	srpanj 2024.
EN IEC 60794-1-201	Optical fibre cables – Part 1-201: Generic specification – Basic optical cable test procedures – Environmental test methods – Temperature cycling, method F1 (IEC 60794-1-201:2024)	33.180.10	srpanj 2024.
EN IEC 60794-1-209	Optical fibre cables – Part 1-209: Generic specification – Basic optical cable test procedures – Environmental test methods – Ageing, method F9 (IEC 60794-1-209:2024)	33.180.10	srpanj 2024.
EN 60898-1/A1	Electrical accessories – Circuit-breakers for overcurrent protection for household and similar installations – Part 1: Circuit-breakers for a.c. operation (IEC 60898-1:2015/AMD1:2019)	29.120.50	srpanj 2024.
EN 60898-1/A11	Electrical accessories – Circuit-breakers for overcurrent protection for household and similar installations – Part 1: Circuit-breakers for a.c. operation	29.120.50	srpanj 2024.
EN IEC 61300-2-34	Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 2-34: Tests – Resistance to solvents and contaminating fluids (IEC 61300-2-34:2024)	33.180.20	srpanj 2024.
EN IEC 61558-2-10	Safety of transformers, reactors, power supply units and combinations thereof – Part 2-10: Particular requirements and tests for separating transformers with high insulation level and separating transformers with output voltages exceeding 1000 V (IEC 61558-2-10:2024)	29.180	srpanj 2024.
EN IEC 61987-32	Industrial-process measurement and control – Data structures and elements in process equipment catalogues – Part 32: Lists of properties (LOP) for I/O modules for electronic data exchange (IEC 61987-32:2024)	25.040.40; 35.240.50	srpanj 2024.
EN ISO 20387/A11	Biotechnology – Biobanking – General requirements for biobanking	7.080	srpanj 2024.

## Europska normizacija (ETSI)

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 102225 V 18.1.0	Smart Cards – Secured packet structure for UICC based applications (Release 18)	35.240.15	srpanj 2024.
ETSI TS 102226 V 16.2.0	Smart Cards – Remote APDU structure for UICC based applications (Release 16)	35.240.15	srpanj 2024.
ETSI TS 102226 V 17.1.0	Smart Cards – Remote APDU structure for UICC based applications (Release 17)	35.240.15	srpanj 2024.
ETSI TS 102226 V 18.3.0	Smart Cards – Remote APDU structure for UICC based applications (Release 18)	35.240.15	srpanj 2024.
ETSI TS 102230-2 V 17.3.0	Smart Cards – UICC-Terminal interface – Physical, electrical and logical test specification – Part 2: UICC features (Release 17)	35.240.15	srpanj 2024.
ETSI TS 102232-1 V 3.32.1	Lawful Interception (LI) – Handover Interface and Service-Specific Details (SSD) for IP delivery – Part 1: Handover specification for IP delivery	33.040.35	srpanj 2024.
ETSI TS 102232-3 V 3.14.1	Lawful Interception (LI) – Handover Interface and Service-Specific Details (SSD) for IP delivery – Part 3: Service-specific details for internet access services	33.040.35	srpanj 2024.
ETSI TR 102503 V 1.18.1	Lawful Interception (LI) – ASN.1 Object Identifiers in Lawful Interception and Retained data handling Specifications	33.040.35	srpanj 2024.
ETSI TS 102706-2 V 1.7.1	Environmental Engineering (EE) – Metrics and Measurement Method for Energy Efficiency of Wireless Access Network Equipment – Part 2: Energy Efficiency – dynamic measurement method	33.040.01	srpanj 2024.
ETSI TS 102965 V 2.2.1	Intelligent Transport Systems (ITS) – Application Object Identifier (ITS-AID) – Registration – Release 2	35.240.60	srpanj 2024.
ETSI TS 103410-5 V 2.1.1	SmartM2M – Extension to SAREF – Part 5: Industry and Manufacturing Domains	33.200	srpanj 2024.
ETSI TS 103410-9 V 2.1.1	SmartM2M – Extension to SAREF – Part 9: Wearables Domain	33.200	srpanj 2024.
ETSI TR 103580 V 1.2.1	Urban Rail ITS and Road ITS applications in the 5,9 GHz band – Investigations for the shared use of spectrum	33.100.10; 35.240.60	srpanj 2024.
ETSI TS 103607 V 1.1.1	Speech and multimedia Transmission Quality (STQ) – Transmission requirements for wearable wireless wideband speech terminals from a QoS perspective as perceived by the user	33.040.01	srpanj 2024.
ETSI TS 103732-5 V 1.1.1	Cyber Security (CYBER) – Consumer Mobile Device – Part 5: Bootloader & Root of Trust Protection Profile Module	33.040.99; 35.030	srpanj 2024.
ETSI TS 103836-1 V 2.1.1	Intelligent Transport Systems (ITS) – Vehicular Communications – GeoNetworking – Part 1: Requirements – Release 2	35.240.60	srpanj 2024.
ETSI TS 103836-2 V 2.1.1	Intelligent Transport Systems (ITS) – Vehicular Communications – GeoNetworking – Part 2: Scenarios – Release 2	35.240.60	srpanj 2024.
ETSI TS 103836-5-1 V 2.1.1	Intelligent Transport Systems (ITS) – Vehicular Communications – GeoNetworking – Part 5: Transport Protocols – Sub-part 1: Basic Transport Protocol – Release 2	35.240.60	srpanj 2024.
ETSI TS 103836-6-1 V 2.1.1	Intelligent Transport Systems (ITS) – Vehicular Communications – GeoNetworking – Part 6: Internet Integration – Sub-part 1: Transmission of IPv6 Packets over GeoNetworking Protocols for ITS-G5 – Release 2	35.240.60	srpanj 2024.
ETSI TR 103953 V 1.1.1	Cyber Security (CYBER) – Guidelines for TLMSP Usage	33.040.99; 35.030	srpanj 2024.
ETSI TR 103954 V 1.1.1	Cyber Security (CYBER) – Critical Security Controls for Effective Cyber Defence – Mobile Communications Sector	33.040.99; 35.030	srpanj 2024.
ETSI TR 103959 V 1.1.1	Cyber Security (CYBER) – Critical Security Controls for Effective Cyber Defence – Cloud Sector	33.040.99; 35.030	srpanj 2024.
ETSI TS 104011 V 1.1.1	Reconfigurable Radio Systems (RRS) Dynamic Spectrum Allocation Service (DSAS) System Requirements	33.060.01	srpanj 2024.
ETSI TS 104014 V 1.1.1	Emergency Communications (EMTEL) – PEMEA File Exchange Extension	33.040.01	srpanj 2024.
ETSI TS 104025 V 1.1.1	Digital Video Broadcasting (DVB) – Service discovery and delivery protocols for a DVB Home Broadcast system	33.170	srpanj 2024.
ETSI TS 104053-1 V 1.1.1	TETRA Air Interface Security, Algorithms Specifications – Part 1: TETRA Encryption Algorithms Set A	33.070.10	srpanj 2024.
ETSI TS 104053-2 V 1.1.1	TETRA Air Interface Security, Algorithms Specification – Part 2: TETRA Encryption Algorithms TEA Set B	33.070.10	srpanj 2024.

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ETSI TS 104053-3 V 1.1.1	TETRA Air Interface Security, Algorithms specification – Part 3: TETRA and Authentication and Key Management Algorithms TAA1	33.070.10	srpanj 2024.
ETSI TS 104053-4 V 1.1.1	TETRA Air Interface Security, Algorithms Specifications – Part 4: TETRA Authentication and Key Management Algorithms TAA2	33.070.10	srpanj 2024.
ETSI TR 104062 V 1.2.1	Securing Artificial Intelligence – Automated Manipulation of Multimedia Identity Representations	33.160.60; 35.030; 35.240.01	srpanj 2024.
ETSI TR 104066 V 1.1.1	Securing Artificial Intelligence – Security Testing of AI	33.160.60; 35.030; 35.240.01	srpanj 2024.
ETSI TR 104080 V 1.1.1	Environmental Engineering (EE) – Example of a Life Cycle Assessment (LCA) of a mobile phone	13.020.20; 33.120.01	srpanj 2024.
ETSI TR 104222 V 1.2.1	Securing Artificial Intelligence – Mitigation Strategy Report	33.160.60; 35.030; 35.240.01	srpanj 2024.
ETSI TS 119182-1 V 1.2.1	Electronic Signatures and Trust Infrastructures (ESI) – JAdES digital signatures – Part 1: Building blocks and JAdES baseline signatures	33.040.01	srpanj 2024.
ETSI TR 119476 V 1.2.1	Electronic Signatures and Trust Infrastructures (ESI) – Analysis of selective disclosure and zero-knowledge proofs applied to Electronic Attestation of Attributes	33.040.01	srpanj 2024.
ETSI TS 119495 V 1.7.1	Electronic Signatures and Trust Infrastructures (ESI) – Sector Specific Requirements – Certificate Profiles and TSP Policy Requirements for Open Banking	33.040.01	srpanj 2024.
ETSI TS 121205 V 18.0.0 *3GPP TS 21.205 Version 18.0.0 Release 18	5G – Technical Specifications and Technical Reports for a 5G based 3GPP system (3GPP TS 21.205 version 18.0.0 Release 18)	33.070.50	srpanj 2024.
ETSI TS 122016 V 18.0.1 *3GPP TS 22.016 Version 18.0.1 Release 18	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – International Mobile station Equipment Identities (IMEI) (3GPP TS 22.016 version 18.0.1 Release 18)	33.070.50	srpanj 2024.
ETSI TS 122104 V 18.4.0 *3GPP TS 22.104 Version 18.4.0 Release 18	5G – Service requirements for cyber-physical control applications in vertical domains (3GPP TS 22.104 version 18.4.0 Release 18)	33.070.50	srpanj 2024.
ETSI TS 122129 V 18.0.1 *3GPP TS 22.129 Version 18.0.1 Release 18	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Service aspects – Handover requirements between UTRAN and GERAN or other radio systems (3GPP TS 22.129 version 18.0.1 Release 18)	33.070.50	srpanj 2024.
ETSI TS 122141 V 18.0.1 *3GPP TS 22.141 Version 18.0.1 Release 18	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Presence service – Stage 1 (3GPP TS 22.141 version 18.0.1 Release 18)	33.070.50	srpanj 2024.
ETSI TS 122261 V 18.14.0 *3GPP TS 22.261 Version 18.14.0 Release 18	5G – Service requirements for the 5G system (3GPP TS 22.261 version 18.14.0 Release 18)	33.070.50	srpanj 2024.
ETSI TS 123003 V 18.6.0 *3GPP TS 23.003 Version 18.6.0 Release 18	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Numbering, addressing and identification (3GPP TS 23.003 version 18.6.0 Release 18)	33.070.50	srpanj 2024.
ETSI TS 123007 V 17.7.0 *3GPP TS 23.007 Version 17.7.0 Release 17	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Restoration procedures (3GPP TS 23.007 version 17.7.0 Release 17)	33.070.50	srpanj 2024.
ETSI TS 123007 V 18.5.0 *3GPP TS 23.007 Version 18.5.0 Release 18	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Restoration procedures (3GPP TS 23.007 version 18.5.0 Release 18)	33.070.50	srpanj 2024.
ETSI TS 123008 V 18.1.0 *3GPP TS 23.008 Version 18.1.0 Release 18	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Organization of subscriber data (3GPP TS 23.008 version 18.1.0 Release 18)	33.070.50	srpanj 2024.
ETSI TS 123015 V 18.1.0 *3GPP TS 23.015 Version 18.1.0 Release 18	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Technical realization of Operator Determined Barring (ODB) (3GPP TS 23.015 version 18.1.0 Release 18)	33.070.50	srpanj 2024.

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 123228 V 18.6.0 *3GPP TS 23.228 Version 18.6.0 Release 18	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – IP Multimedia Subsystem (IMS) – Stage 2 (3GPP TS 23.228 version 18.6.0 Release 18)	33.070.50	srpanj 2024.
ETSI TS 123247 V 18.6.0 *3GPP TS 23.247 Version 18.6.0 Release 18	5G – Architectural enhancements for 5G multicast-broadcast services (3GPP TS 23.247 version 18.6.0 Release 18)	33.070.50	srpanj 2024.
ETSI TS 123256 V 17.8.0 *3GPP TS 23.256 Version 17.8.0 Release 17	5G – Support of Uncrewed Aerial Systems (UAS) connectivity, identification and tracking – Stage 2 (3GPP TS 23.256 version 17.8.0 Release 17)	33.070.50	srpanj 2024.
ETSI TS 123256 V 18.3.0 *3GPP TS 23.256 Version 18.3.0 Release 18	5G – Support of Uncrewed Aerial Systems (UAS) connectivity, identification and tracking – Stage 2 (3GPP TS 23.256 version 18.3.0 Release 18)	33.070.50	srpanj 2024.
ETSI TS 123273 V 18.6.0 *3GPP TS 23.273 Version 18.6.0 Release 18	5G – 5G System (5GS) Location Services (LCS) – Stage 2 (3GPP TS 23.273 version 18.6.0 Release 18)	33.070.50	srpanj 2024.
ETSI TS 123288 V 17.12.0 *3GPP TS 23.288 Version 17.12.0 Release 17	5G – Architecture enhancements for 5G System (5GS) to support network data analytics services (3GPP TS 23.288 version 17.12.0 Release 17)	33.070.50	srpanj 2024.
ETSI TS 123288 V 18.6.0 *3GPP TS 23.288 Version 18.6.0 Release 18	5G – Architecture enhancements for 5G System (5GS) to support network data analytics services (3GPP TS 23.288 version 18.6.0 Release 18)	33.070.50	srpanj 2024.
ETSI TS 123304 V 18.6.0 *3GPP TS 23.304 Version 18.6.0 Release 18	5G – Proximity based Services (ProSe) in the 5G System (5GS) (3GPP TS 23.304 version 18.6.0 Release 18)	33.070.50	srpanj 2024.
ETSI TS 123333 V 18.1.0 *3GPP TS 23.333 Version 18.1.0 Release 18	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Multimedia Resource Function Controller (MRFC) – Multimedia Resource Function Processor (MRFP) Mp interface: Procedures descriptions (3GPP TS 23.333 version 18.1.0 Release 18)	33.070.50	srpanj 2024.
ETSI TS 123334 V 18.1.0 *3GPP TS 23.334 Version 18.1.0 Release 18	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – IP Multimedia Subsystem (IMS) Application Level Gateway (IMS-ALG) – IMS Access Gateway (IMS-AGW) interface: Procedures descriptions (3GPP TS 23.334 version 18.1.0 Release 18)	33.070.50	srpanj 2024.
ETSI TS 123401 V 17.11.0 *3GPP TS 23.401 Version 17.11.0 Release 17	LTE – General Packet Radio Service (GPRS) enhancements for Evolved Universal Terrestrial Radio Access Network (E-UTRAN) access (3GPP TS 23.401 version 17.11.0 Release 17)	33.070.50	srpanj 2024.
ETSI TS 123401 V 18.6.0 *3GPP TS 23.401 Version 18.6.0 Release 18	LTE – General Packet Radio Service (GPRS) enhancements for Evolved Universal Terrestrial Radio Access Network (E-UTRAN) access (3GPP TS 23.401 version 18.6.0 Release 18)	33.070.50	srpanj 2024.
ETSI TS 123434 V 17.11.0 *3GPP TS 23.434 Version 17.11.0 Release 17	5G – Service Enabler Architecture Layer for Verticals (SEAL) – Functional architecture and information flows (3GPP TS 23.434 version 17.11.0 Release 17)	33.070.99	srpanj 2024.
ETSI TS 123434 V 18.9.0 *3GPP TS 23.434 Version 18.9.0 Release 18	5G – Service Enabler Architecture Layer for Verticals (SEAL) – Functional architecture and information flows (3GPP TS 23.434 version 18.9.0 Release 18)	33.070.99	srpanj 2024.
ETSI TS 123435 V 18.3.0 *3GPP TS 23.435 Version 18.3.0 Release 18	LTE – 5G – Procedures for Network Slice Capability Exposure for Application Layer Enablement Service (3GPP TS 23.435 version 18.3.0 Release 18)	33.070.50	srpanj 2024.
ETSI TS 123436 V 18.4.0 *3GPP TS 23.436 Version 18.4.0 Release 18	LTE – 5G – Functional architecture and information flows for Application Data Analytics Enablement Service (3GPP TS 23.436 version 18.4.0 Release 18)	33.070.50	srpanj 2024.
ETSI TS 123501 V 16.20.0 *3GPP TS 23.501 Version 16.20.0 Release 16	5G – System architecture for the 5G System (5GS) (3GPP TS 23.501 version 16.20.0 Release 16)	33.070.50	srpanj 2024.
ETSI TS 123501 V 17.13.0 *3GPP TS 23.501 Version 17.13.0 Release 17	5G – System architecture for the 5G System (5GS) (3GPP TS 23.501 version 17.13.0 Release 17)	33.070.50	srpanj 2024.
ETSI TS 123501 V 18.6.0 *3GPP TS 23.501 Version 18.6.0 Release 18	5G – System architecture for the 5G System (5GS) (3GPP TS 23.501 version 18.6.0 Release 18)	33.070.50	srpanj 2024.

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 123502 V 18.6.0 *3GPP TS 23.502 Version 18.6.0 Release 18	5G – Procedures for the 5G System (5GS) (3GPP TS 23.502 version 18.6.0 Release 18)	33.070.50	srpanj 2024.
ETSI TS 123503 V 18.6.0 *3GPP TS 23.503 Version 18.6.0 Release 18	5G – Policy and charging control framework for the 5G System (5GS) – Stage 2 (3GPP TS 23.503 version 18.6.0 Release 18)	33.070.50	srpanj 2024.
ETSI TS 123527 V 18.4.0 *3GPP TS 23.527 Version 18.4.0 Release 18	5G – 5G System – Restoration procedures (3GPP TS 23.527 version 18.4.0 Release 18)	33.070.99	srpanj 2024.
ETSI TS 123540 V 18.4.0 *3GPP TS 23.540 Version 18.4.0 Release 18	5G – 5G System: Technical realization of Service Based Short Message Service – Stage 2 (3GPP TS 23.540 version 18.4.0 Release 18)	33.070.50	srpanj 2024.
ETSI TS 123542 V 18.4.0 *3GPP TS 23.542 Version 18.4.0 Release 18	5G – Application layer support for Personal IoT Network (3GPP TS 23.542 version 18.4.0 Release 18)	33.070.50; 35.240.95	srpanj 2024.
ETSI TS 123548 V 17.7.0 *3GPP TS 23.548 Version 17.7.0 Release 17	5G – 5G System Enhancements for Edge Computing – Stage 2 (3GPP TS 23.548 version 17.7.0 Release 17)	33.070.50	srpanj 2024.
ETSI TS 123548 V 18.6.0 *3GPP TS 23.548 Version 18.6.0 Release 18	5G – 5G System Enhancements for Edge Computing – Stage 2 (3GPP TS 23.548 version 18.6.0 Release 18)	33.070.50	srpanj 2024.
ETSI TS 123554 V 18.8.0 *3GPP TS 23.554 Version 18.8.0 Release 18	5G – Application architecture for MSgin5G Service – Stage 2 (3GPP TS 23.554 version 18.8.0 Release 18)	33.070.50	srpanj 2024.
ETSI TS 123558 V 17.11.0 *3GPP TS 23.558 Version 17.11.0 Release 17	5G – Architecture for enabling Edge Applications (3GPP TS 23.558 version 17.11.0 Release 17)	33.070.50	srpanj 2024.
ETSI TS 123558 V 18.7.0 *3GPP TS 23.558 Version 18.7.0 Release 18	5G – Architecture for enabling Edge Applications (3GPP TS 23.558 version 18.7.0 Release 18)	33.070.50	srpanj 2024.
ETSI TS 123586 V 18.4.0 *3GPP TS 23.586 Version 18.4.0 Release 18	5G – Architectural Enhancements to support Ranging based services and Sidelink Positioning (3GPP TS 23.586 version 18.4.0 Release 18)	33.070.50	srpanj 2024.
ETSI TS 123632 V 18.5.0 *3GPP TS 23.632 Version 18.5.0 Release 18	LTE – 5G – User data interworking, coexistence and migration – Stage 2 (3GPP TS 23.632 version 18.5.0 Release 18)	33.070.99	srpanj 2024.
ETSI TR 123958 V 18.2.0 *3GPP TR 23.958 Version 18.2.0 Release 18	LTE – 5G – Edge Application Standards in 3GPP and alignment with External Organizations (3GPP TR 23.958 version 18.2.0 Release 18)	33.070.50	srpanj 2024.
ETSI TS 124080 V 18.4.0 *3GPP TS 24.080 Version 18.4.0 Release 18	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Mobile radio interface layer 3 supplementary services specification – Formats and coding (3GPP TS 24.080 version 18.4.0 Release 18)	33.070.50	srpanj 2024.
ETSI TS 129079 V 18.0.0 *3GPP TS 29.079 Version 18.0.0 Release 18	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Optimal media routing within the IP Multimedia Subsystem (IMS) – Stage 3 (3GPP TS 29.079 version 18.0.0 Release 18)	33.070.50	srpanj 2024.
ETSI TS 129122 V 18.6.0 *3GPP TS 29.122 Version 18.6.0 Release 18	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – T8 reference point for Northbound APIs (3GPP TS 29.122 version 18.6.0 Release 18)	33.070.99	srpanj 2024.
ETSI TS 129162 V 18.1.0 *3GPP TS 29.162 Version 18.1.0 Release 18	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Interworking between the IM CN subsystem and IP networks (3GPP TS 29.162 version 18.1.0 Release 18)	33.070.50	srpanj 2024.
ETSI TS 129163 V 18.1.0 *3GPP TS 29.163 Version 18.1.0 Release 18	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Interworking between the IP Multimedia (IM) Core Network (CN) subsystem and Circuit Switched (CS) networks (3GPP TS 29.163 version 18.1.0 Release 18)	33.070.50	srpanj 2024.
ETSI TS 129212 V 18.1.0 *3GPP TS 29.212 Version 18.1.0 Release 18	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Policy and Charging Control (PCC) – Reference points (3GPP TS 29.212 version 18.1.0 Release 18)	33.070.50	srpanj 2024.

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 129214 V 18.2.0 *3GPP TS 29.214 Version 18.2.0 Release 18	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Policy and charging control over Rx reference point (3GPP TS 29.214 version 18.2.0 Release 18)	33.070.50	srpanj 2024.
ETSI TS 129222 V 18.6.0 *3GPP TS 29.222 Version 18.6.0 Release 18	LTE – 5G – Common API Framework for 3GPP Northbound APIs (3GPP TS 29.222 version 18.6.0 Release 18)	33.070.99	srpanj 2024.
ETSI TS 129232 V 18.1.0 *3GPP TS 29.232 Version 18.1.0 Release 18	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Media Gateway Controller (MGC) – Media Gateway (MGW) interface – Stage 3 (3GPP TS 29.232 version 18.1.0 Release 18)	33.070.50	srpanj 2024.
ETSI TS 129238 V 18.1.0 *3GPP TS 29.238 Version 18.1.0 Release 18	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Interconnection Border Control Functions (IBCF) – Transition Gateway (TrGW) interface, Ix interface – Stage 3 (3GPP TS 29.238 version 18.1.0 Release 18)	33.070.50	srpanj 2024.
ETSI TS 129244 V 18.6.0 *3GPP TS 29.244 Version 18.6.0 Release 18	LTE – 5G – Interface between the Control Plane and the User Plane nodes (3GPP TS 29.244 version 18.6.0 Release 18)	33.070.99	srpanj 2024.
ETSI TS 129256 V 17.6.0 *3GPP TS 29.256 Version 17.6.0 Release 17	5G – Uncrewed Aerial Systems Network Function (UAS-NF) – Aerial Management Services – Stage 3 (3GPP TS 29.256 version 17.6.0 Release 17)	33.070.50	srpanj 2024.
ETSI TS 129256 V 18.4.0 *3GPP TS 29.256 Version 18.4.0 Release 18	5G – Uncrewed Aerial Systems Network Function (UAS-NF) – Aerial Management Services – Stage 3 (3GPP TS 29.256 version 18.4.0 Release 18)	33.070.50	srpanj 2024.
ETSI TS 129257 V 17.2.0 *3GPP TS 29.257 Version 17.2.0 Release 17	5G – Application layer support for Uncrewed Aerial System (UAS) – UAS Application Enabler (UAE) Server Services – Stage 3 (3GPP TS 29.257 version 17.2.0 Release 17)	33.070.50	srpanj 2024.
ETSI TS 129257 V 18.4.0 *3GPP TS 29.257 Version 18.4.0 Release 18	5G – Application layer support for Uncrewed Aerial System (UAS) – UAS Application Enabler (UAE) Server Services – Stage 3 (3GPP TS 29.257 version 18.4.0 Release 18)	33.070.50	srpanj 2024.
ETSI TS 129272 V 18.4.0 *3GPP TS 29.272 Version 18.4.0 Release 18	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Evolved Packet System (EPS) – Mobility Management Entity (MME) and Serving GPRS Support Node (SGSN) related interfaces based on Diameter protocol (3GPP TS 29.272 version 18.4.0 Release 18)	33.070.50	srpanj 2024.
ETSI TS 129274 V 17.12.0 *3GPP TS 29.274 Version 17.12.0 Release 17	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – 3GPP Evolved Packet System (EPS) – Evolved General Packet Radio Service (GPRS) Tunnelling Protocol for Control plane (GTPv2-C) – Stage 3 (3GPP TS 29.274 version 17.12.0 Release 17)	33.070.50	srpanj 2024.
ETSI TS 129274 V 18.7.0 *3GPP TS 29.274 Version 18.7.0 Release 18	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – 3GPP Evolved Packet System (EPS) – Evolved General Packet Radio Service (GPRS) Tunnelling Protocol for Control plane (GTPv2-C) – Stage 3 (3GPP TS 29.274 version 18.7.0 Release 18)	33.070.50	srpanj 2024.
ETSI TS 129292 V 18.1.0 *3GPP TS 29.292 Version 18.1.0 Release 18	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Interworking between the IP Multimedia (IM) Core Network (CN) subsystem (IMS) and MSC Server for IMS Centralized Services (ICS) (3GPP TS 29.292 version 18.1.0 Release 18)	33.070.50	srpanj 2024.
ETSI TS 129309 V 18.2.0 *3GPP TS 29.309 Version 18.2.0 Release 18	5G – Bootstrapping Server Function (GBA BSF) Services (3GPP TS 29.309 version 18.2.0 Release 18)	33.070.50	srpanj 2024.
ETSI TS 129330 V 18.1.0 *3GPP TS 29.330 Version 18.1.0 Release 18	5G – IP Multimedia Subsystem (IMS) – Sc Interface based on the Diameter protocol – (3GPP TS 29.330 version 18.1.0 Release 18)	33.070.50	srpanj 2024.
ETSI TS 129332 V 18.1.0 *3GPP TS 29.332 Version 18.1.0 Release 18	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Media Gateway Control Function (MGCF) – IM Media Gateway – Mn interface (3GPP TS 29.332 version 18.1.0 Release 18)	33.070.50	srpanj 2024.



Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 129333 V 18.1.0 *3GPP TS 29.333 Version 18.1.0 Release 18	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Multimedia Resource Function Controller (MRFC) – Multimedia Resource Function Processor (MRFP) Mp interface – Stage 3 (3GPP TS 29.333 version 18.1.0 Release 18)	33.070.50	srpanj 2024.
ETSI TS 129334 V 18.1.0 *3GPP TS 29.334 Version 18.1.0 Release 18	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – IMS Application Level Gateway (IMS-ALG) – IMS Access Gateway (IMS-AGW) – Iq Interface – Stage 3 (3GPP TS 29.334 version 18.1.0 Release 18)	33.070.50	srpanj 2024.
ETSI TS 129364 V 18.1.0 *3GPP TS 29.364 Version 18.1.0 Release 18	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – IP Multimedia Subsystem (IMS) Application Server (AS) service data descriptions for AS interoperability (3GPP TS 29.364 version 18.1.0 Release 18)	33.070.50	srpanj 2024.
ETSI TS 129486 V 17.8.0 *3GPP TS 29.486 Version 17.8.0 Release 17	LTE – 5G – V2X Application Enabler (VAE) Services – Stage 3 (3GPP TS 29.486 version 17.8.0 Release 17)	33.070.99	srpanj 2024.
ETSI TS 129486 V 18.3.0 *3GPP TS 29.486 Version 18.3.0 Release 18	LTE – 5G – V2X Application Enabler (VAE) Services – Stage 3 (3GPP TS 29.486 version 18.3.0 Release 18)	33.070.99	srpanj 2024.
ETSI TS 129500 V 18.6.0 *3GPP TS 29.500 Version 18.6.0 Release 18	5G – 5G System – Technical Realization of Service Based Architecture – Stage 3 (3GPP TS 29.500 version 18.6.0 Release 18)	33.070.99	srpanj 2024.
ETSI TS 129501 V 18.5.0 *3GPP TS 29.501 Version 18.5.0 Release 18	5G – 5G System – Principles and Guidelines for Services Definition – Stage 3 (3GPP TS 29.501 version 18.5.0 Release 18)	33.070.99	srpanj 2024.
ETSI TS 129502 V 18.7.0 *3GPP TS 29.502 Version 18.7.0 Release 18	5G – 5G System – Session Management Services – Stage 3 (3GPP TS 29.502 version 18.7.0 Release 18)	33.070.99	srpanj 2024.
ETSI TS 129503 V 17.15.0 *3GPP TS 29.503 Version 17.15.0 Release 17	5G – 5G System – Unified Data Management Services – Stage 3 (3GPP TS 29.503 version 17.15.0 Release 17)	33.070.99	srpanj 2024.
ETSI TS 129503 V 18.6.0 *3GPP TS 29.503 Version 18.6.0 Release 18	5G – 5G System – Unified Data Management Services – Stage 3 (3GPP TS 29.503 version 18.6.0 Release 18)	33.070.99	srpanj 2024.
ETSI TS 129504 V 17.15.0*3GPP TS 29.504 Version 17.15.0 Release 17	5G – 5G System – Unified Data Repository Services – Stage 3 (3GPP TS 29.504 version 17.15.0 Release 17)	33.070.99	srpanj 2024.
ETSI TS 129504 V 18.6.0 *3GPP TS 29.504 Version 18.6.0 Release 18	5G – 5G System – Unified Data Repository Services – Stage 3 (3GPP TS 29.504 version 18.6.0 Release 18)	33.070.99	srpanj 2024.
ETSI TS 129505 V 17.12.0 *3GPP TS 29.505 Version 17.12.0 Release 17	5G – 5G System – Usage of the Unified Data Repository services for Subscription Data – Stage 3 (3GPP TS 29.505 version 17.12.0 Release 17)	33.070.99	srpanj 2024.
ETSI TS 129505 V 18.6.0 *3GPP TS 29.505 Version 18.6.0 Release 18	5G – 5G System – Usage of the Unified Data Repository services for Subscription Data – Stage 3 (3GPP TS 29.505 version 18.6.0 Release 18)	33.070.99	srpanj 2024.
ETSI TS 129507 V 18.6.0 *3GPP TS 29.507 Version 18.6.0 Release 18	5G – 5G System – Access and Mobility Policy Control Service – Stage 3 (3GPP TS 29.507 version 18.6.0 Release 18)	33.070.99	srpanj 2024.
ETSI TS 129508 V 17.13.0 *3GPP TS 29.508 Version 17.13.0 Release 17	5G – 5G System – Session Management Event Exposure Service – Stage 3 (3GPP TS 29.508 version 17.13.0 Release 17)	33.070.99	srpanj 2024.
ETSI TS 129508 V 18.6.0 *3GPP TS 29.508 Version 18.6.0 Release 18	5G – 5G System – Session Management Event Exposure Service – Stage 3 (3GPP TS 29.508 version 18.6.0 Release 18)	33.070.99	srpanj 2024.
ETSI TS 129509 V 17.11.0 *3GPP TS 29.509 Version 17.11.0 Release 17	5G – 5G System – Authentication Server Services – Stage 3 (3GPP TS 29.509 version 17.11.0 Release 17)	33.070.50	srpanj 2024.
ETSI TS 129510 V 17.14.0 *3GPP TS 29.510 Version 17.14.0 Release 17	5G – 5G System – Network function repository services – Stage 3 (3GPP TS 29.510 version 17.14.0 Release 17)	33.070.99	srpanj 2024.
ETSI TS 129510 V 18.7.0 *3GPP TS 29.510 Version 18.7.0 Release 18	5G – 5G System – Network function repository services – Stage 3 (3GPP TS 29.510 version 18.7.0 Release 18)	33.070.99	srpanj 2024.

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 129511 V 18.3.0 *3GPP TS 29.511 Version 18.3.0 Release 18	5G – 5G System – Equipment Identity Register Services – Stage 3 (3GPP TS 29.511 version 18.3.0 Release 18)	33.070.99	srpanj 2024.
ETSI TS 129512 V 15.16.0 *3GPP TS 29.512 Version 15.16.0 Release 15	5G – 5G System – Session Management Policy Control Service – Stage 3 (3GPP TS 29.512 version 15.16.0 Release 15)	33.070.99	srpanj 2024.
ETSI TS 129512 V 16.19.0 *3GPP TS 29.512 Version 16.19.0 Release 16	5G – 5G System – Session Management Policy Control Service – Stage 3 (3GPP TS 29.512 version 16.19.0 Release 16)	33.070.99	srpanj 2024.
ETSI TS 129512 V 17.14.0 *3GPP TS 29.512 Version 17.14.0 Release 17	5G – 5G System – Session Management Policy Control Service – Stage 3 (3GPP TS 29.512 version 17.14.0 Release 17)	33.070.99	srpanj 2024.
ETSI TS 129513 V 18.6.0 *3GPP TS 29.513 Version 18.6.0 Release 18	5G – 5G System – Policy and Charging Control signalling flows and QoS parameter mapping – Stage 3 (3GPP TS 29.513 version 18.6.0 Release 18)	33.070.99	srpanj 2024.
ETSI TS 129514 V 18.6.0 *3GPP TS 29.514 Version 18.6.0 Release 18	5G – 5G System – Policy Authorization Service – Stage 3 (3GPP TS 29.514 version 18.6.0 Release 18)	33.070.99	srpanj 2024.
ETSI TS 129515 V 17.10.0 *3GPP TS 29.515 Version 17.10.0 Release 17	5G – 5G System – Gateway Mobile Location Services – Stage 3 (3GPP TS 29.515 version 17.10.0 Release 17)	33.070.99	srpanj 2024.
ETSI TS 129515 V 18.6.0 *3GPP TS 29.515 Version 18.6.0 Release 18	5G – 5G System – Gateway Mobile Location Services – Stage 3 (3GPP TS 29.515 version 18.6.0 Release 18)	33.070.99	srpanj 2024.
ETSI TS 129517 V 18.6.0 *3GPP TS 29.517 Version 18.6.0 Release 18	5G – 5G System – Application Function Event Exposure Service – Stage 3 (3GPP TS 29.517 version 18.6.0 Release 18)	33.070.99	srpanj 2024.
ETSI TS 129518 V 16.16.0 *3GPP TS 29.518 Version 16.16.0 Release 16	5G – 5G System – Access and Mobility Management Services – Stage 3 (3GPP TS 29.518 version 16.16.0 Release 16)	33.070.99	srpanj 2024.
ETSI TS 129518 V 17.14.0 *3GPP TS 29.518 Version 17.14.0 Release 17	5G – 5G System – Access and Mobility Management Services – Stage 3 (3GPP TS 29.518 version 17.14.0 Release 17)	33.070.99	srpanj 2024.
ETSI TS 129518 V 18.6.0 *3GPP TS 29.518 Version 18.6.0 Release 18	5G – 5G System – Access and Mobility Management Services – Stage 3 (3GPP TS 29.518 version 18.6.0 Release 18)	33.070.99	srpanj 2024.
ETSI TS 129519 V 17.13.0 *3GPP TS 29.519 Version 17.13.0 Release 17	5G – 5G System – Usage of the Unified Data Repository Service for Policy Data, Application Data and Structured Data for Exposure – Stage 3 (3GPP TS 29.519 version 17.13.0 Release 17)	33.070.99	srpanj 2024.
ETSI TS 129519 V 18.6.0 *3GPP TS 29.519 Version 18.6.0 Release 18	5G – 5G System – Usage of the Unified Data Repository Service for Policy Data, Application Data and Structured Data for Exposure – Stage 3 (3GPP TS 29.519 version 18.6.0 Release 18)	33.070.99	srpanj 2024.
ETSI TS 129520 V 17.13.0 *3GPP TS 29.520 Version 17.13.0 Release 17	5G – 5G System – Network Data Analytics Services – Stage 3 (3GPP TS 29.520 version 17.13.0 Release 17)	33.070.99	srpanj 2024.
ETSI TS 129520 V 18.6.0 *3GPP TS 29.520 Version 18.6.0 Release 18	5G – 5G System – Network Data Analytics Services – Stage 3 (3GPP TS 29.520 version 18.6.0 Release 18)	33.070.99	srpanj 2024.
ETSI TS 129521 V 18.5.0 *3GPP TS 29.521 Version 18.5.0 Release 18	5G – 5G System – Binding Support Management Service – Stage 3 (3GPP TS 29.521 version 18.5.0 Release 18)	33.070.99	srpanj 2024.
ETSI TS 129522 V 16.17.0 *3GPP TS 29.522 Version 16.17.0 Release 16	5G – 5G System – Network Exposure Function Northbound APIs – Stage 3 (3GPP TS 29.522 version 16.17.0 Release 16)	33.070.99	srpanj 2024.
ETSI TS 129522 V 17.14.0 *3GPP TS 29.522 Version 17.14.0 Release 17	5G – 5G System – Network Exposure Function Northbound APIs – Stage 3 (3GPP TS 29.522 version 17.14.0 Release 17)	33.070.99	srpanj 2024.
ETSI TS 129523 V 18.5.0 *3GPP TS 29.523 Version 18.5.0 Release 18	5G – 5G System – Policy Control Event Exposure Service – Stage 3 (3GPP TS 29.523 version 18.5.0 Release 18)	33.070.99	srpanj 2024.
ETSI TS 129525 V 18.6.0 *3GPP TS 29.525 Version 18.6.0 Release 18	5G – 5G System – UE Policy Control Service – Stage 3 (3GPP TS 29.525 version 18.6.0 Release 18)	33.070.99	srpanj 2024.

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 129526 V 18.6.0 *3GPP TS 29.526 Version 18.6.0 Release 18	5G – 5G System – Network Slice-Specific and SNPN Authentication and Authorization services – Stage 3 (3GPP TS 29.526 version 18.6.0 Release 18)	33.070.99	srpanj 2024.
ETSI TS 129531 V 16.10.0 *3GPP TS 29.531 Version 16.10.0 Release 16	5G – 5G System – Network Slice Selection Services – Stage 3 (3GPP TS 29.531 version 16.10.0 Release 16)	33.070.99	srpanj 2024.
ETSI TS 129531 V 17.10.0 *3GPP TS 29.531 Version 17.10.0 Release 17	5G – 5G System – Network Slice Selection Services – Stage 3 (3GPP TS 29.531 version 17.10.0 Release 17)	33.070.99	srpanj 2024.
ETSI TS 129531 V 18.7.0 *3GPP TS 29.531 Version 18.7.0 Release 18	5G – 5G System – Network Slice Selection Services – Stage 3 (3GPP TS 29.531 version 18.7.0 Release 18)	33.070.99	srpanj 2024.
ETSI TS 129532 V 18.5.0 *3GPP TS 29.532 Version 18.5.0 Release 18	5G – 5G System – 5G Multicast-Broadcast Session Management Services – Stage 3 (3GPP TS 29.532 version 18.5.0 Release 18)	33.070.50	srpanj 2024.
ETSI TS 129534 V 18.4.0 *3GPP TS 29.534 Version 18.4.0 Release 18	5G – 5G System – Access and Mobility Policy Authorization Service – Stage 3 (3GPP TS 29.534 version 18.4.0 Release 18)	33.070.50	srpanj 2024.
ETSI TS 129536 V 18.6.0 *3GPP TS 29.536 Version 18.6.0 Release 18	5G – 5G System – Network Slice Admission Control Services – Stage 3 (3GPP TS 29.536 version 18.6.0 Release 18)	33.070.50	srpanj 2024.
ETSI TS 129537 V 18.4.0 *3GPP TS 29.537 Version 18.4.0 Release 18	5G – 5G System – Multicast/Broadcast Policy Control services – Stage 3 (3GPP TS 29.537 version 18.4.0 Release 18)	33.070.50	srpanj 2024.
ETSI TS 129540 V 18.4.0 *3GPP TS 29.540 Version 18.4.0 Release 18	5G – 5G System – SMS Services – Stage 3 (3GPP TS 29.540 version 18.4.0 Release 18)	33.070.99	srpanj 2024.
ETSI TS 129541 V 18.3.0 *3GPP TS 29.541 Version 18.3.0 Release 18	LTE – 5G – 5G System – Network Exposure (NE) function services for Non-IP Data Delivery (NIDD) and Short Message Services (SMS) – Stage 3 (3GPP TS 29.541 version 18.3.0 Release 18)	33.070.99	srpanj 2024.
ETSI TS 129542 V 18.4.0 *3GPP TS 29.542 Version 18.4.0 Release 18	LTE – 5G – 5G System – Session management services for Non-IP Data Delivery (NIDD) – Stage 3 (3GPP TS 29.542 version 18.4.0 Release 18)	33.070.50	srpanj 2024.
ETSI TS 129543 V 18.1.0 *3GPP TS 29.543 Version 18.1.0 Release 18	5G – 5G System – Data Transfer Policy Control Services – Stage 3 (3GPP TS 29.543 version 18.1.0 Release 18)	33.070.50	srpanj 2024.
ETSI TS 129544 V 18.2.0 *3GPP TS 29.544 Version 18.2.0 Release 18	5G – 5G System – Secured Packet Application Function (SP-AF) services – Stage 3 (3GPP TS 29.544 version 18.2.0 Release 18)	33.070.99	srpanj 2024.
ETSI TS 129548 V 18.1.0 *3GPP TS 29.548 Version 18.1.0 Release 18	5G – Service Enabler Architecture Layer for Verticals (SEAL) – SEAL Data Delivery (SEALDD) Server Services – Stage 3 (3GPP TS 29.548 version 18.1.0 Release 18)	33.070.50	srpanj 2024.
ETSI TS 129549 V 18.6.0 *3GPP TS 29.549 Version 18.6.0 Release 18	LTE – 5G – Service Enabler Architecture Layer for Verticals (SEAL) – Application Programming Interface (API) specification – Stage 3 (3GPP TS 29.549 version 18.6.0 Release 18)	33.070.99	srpanj 2024.
ETSI TS 129550 V 18.3.0 *3GPP TS 29.550 Version 18.3.0 Release 18	5G – 5G System – Steering of roaming application function services – Stage 3 (3GPP TS 29.550 version 18.3.0 Release 18)	33.070.99	srpanj 2024.
ETSI TS 129551 V 17.10.0 *3GPP TS 29.551 Version 17.10.0 Release 17	5G – 5G System – Packet Flow Description Management Service – Stage 3 (3GPP TS 29.551 version 17.10.0 Release 17)	33.070.99	srpanj 2024.
ETSI TS 129551 V 18.5.0 *3GPP TS 29.551 Version 18.5.0 Release 18	5G – 5G System – Packet Flow Description Management Service – Stage 3 (3GPP TS 29.551 version 18.5.0 Release 18)	33.070.99	srpanj 2024.
ETSI TS 129552 V 17.7.0 *3GPP TS 29.552 Version 17.7.0 Release 17	5G – 5G System – Network Data Analytics signalling flows – Stage 3 (3GPP TS 29.552 version 17.7.0 Release 17)	33.070.50	srpanj 2024.
ETSI TS 129552 V 18.5.0 *3GPP TS 29.552 Version 18.5.0 Release 18	5G – 5G System – Network Data Analytics signalling flows – Stage 3 (3GPP TS 29.552 version 18.5.0 Release 18)	33.070.50	srpanj 2024.
ETSI TS 129553 V 17.4.0 *3GPP TS 29.553 Version 17.4.0 Release 17	5G – 5G System – 5G ProSe Anchor Services – Stage 3 (3GPP TS 29.553 version 17.4.0 Release 17)	33.070.50	srpanj 2024.

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 129553 V 18.4.0 *3GPP TS 29.553 Version 18.4.0 Release 18	5G – 5G System – 5G ProSe Anchor Services – Stage 3 (3GPP TS 29.553 version 18.4.0 Release 18)	33.070.50	srpanj 2024.
ETSI TS 129554 V 18.3.0 *3GPP TS 29.554 Version 18.3.0 Release 18	5G – 5G System – Background Data Transfer Policy Control Service – Stage 3 (3GPP TS 29.554 version 18.3.0 Release 18)	33.070.99	srpanj 2024.
ETSI TS 129555 V 18.5.0 *3GPP TS 29.555 Version 18.5.0 Release 18	5G – 5G System – 5G Direct Discovery Name Management Services – Stage 3 (3GPP TS 29.555 version 18.5.0 Release 18)	33.070.50	srpanj 2024.
ETSI TS 129556 V 18.6.0 *3GPP TS 29.556 Version 18.6.0 Release 18	5G – Edge Application Server Discovery Services – Stage 3 (3GPP TS 29.556 version 18.6.0 Release 18)	33.070.50	srpanj 2024.
ETSI TS 129557 V 18.3.0 *3GPP TS 29.557 Version 18.3.0 Release 18	5G – 5G System – Application Function ProSe Service – Stage 3 (3GPP TS 29.557 version 18.3.0 Release 18)	33.070.50	srpanj 2024.
ETSI TS 129558 V 17.7.0 *3GPP TS 29.558 Version 17.7.0 Release 17	5G – Enabling Edge Applications – Application Programming Interface (API) specification – Stage 3 (3GPP TS 29.558 version 17.7.0 Release 17)	33.070.50	srpanj 2024.
ETSI TS 129558 V 18.6.0 *3GPP TS 29.558 Version 18.6.0 Release 18	5G – Enabling Edge Applications – Application Programming Interface (API) specification – Stage 3 (3GPP TS 29.558 version 18.6.0 Release 18)	33.070.50	srpanj 2024.
ETSI TS 129559 V 18.3.0 *3GPP TS 29.559 Version 18.3.0 Release 18	5G – 5G System – 5G ProSe Key Management Services – Stage 3 (3GPP TS 29.559 version 18.3.0 Release 18)	33.070.50	srpanj 2024.
ETSI TS 129561 V 16.9.0 *3GPP TS 29.561 Version 16.9.0 Release 16	5G – 5G System – Interworking between 5G Network and external Data Networks – Stage 3 (3GPP TS 29.561 version 16.9.0 Release 16)	33.070.99	srpanj 2024.
ETSI TS 129561 V 17.10.0 *3GPP TS 29.561 Version 17.10.0 Release 17	5G – 5G System – Interworking between 5G Network and external Data Networks – Stage 3 (3GPP TS 29.561 version 17.10.0 Release 17)	33.070.99	srpanj 2024.
ETSI TS 129561 V 18.4.0 *3GPP TS 29.561 Version 18.4.0 Release 18	5G – 5G System – Interworking between 5G Network and external Data Networks – Stage 3 (3GPP TS 29.561 version 18.4.0 Release 18)	33.070.99	srpanj 2024.
ETSI TS 129562 V 18.5.0 *3GPP TS 29.562 Version 18.5.0 Release 18	5G – 5G System – Home Subscriber Server (HSS) services – Stage 3 (3GPP TS 29.562 version 18.5.0 Release 18)	33.070.99	srpanj 2024.
ETSI TS 129563 V 18.5.0 *3GPP TS 29.563 Version 18.5.0 Release 18	5G – 5G System – Home Subscriber Server (HSS) services for interworking with Unified Data Management (UDM) – Stage 3 (3GPP TS 29.563 version 18.5.0 Release 18)	33.070.99	srpanj 2024.
ETSI TS 129564 V 18.5.0 *3GPP TS 29.564 Version 18.5.0 Release 18	5G – 5G System – User Plane Function Services – Stage 3 (3GPP TS 29.564 version 18.5.0 Release 18)	33.070.50	srpanj 2024.
ETSI TS 129565 V 17.7.0 *3GPP TS 29.565 Version 17.7.0 Release 17	5G – 5G System – Time Sensitive Communication and Time Synchronization Function Services – Stage 3 (3GPP TS 29.565 version 17.7.0 Release 17)	33.070.50	srpanj 2024.
ETSI TS 129571 V 18.6.0 *3GPP TS 29.571 Version 18.6.0 Release 18	5G – 5G System – Common Data Types for Service Based Interfaces – Stage 3 (3GPP TS 29.571 version 18.6.0 Release 18)	33.070.99	srpanj 2024.
ETSI TS 129572 V 15.7.0 *3GPP TS 29.572 Version 15.7.0 Release 15	5G – 5G System – Location Management Services – Stage 3 (3GPP TS 29.572 version 15.7.0 Release 15)	33.070.99	srpanj 2024.
ETSI TS 129572 V 16.11.0 *3GPP TS 29.572 Version 16.11.0 Release 16	5G – 5G System – Location Management Services – Stage 3 (3GPP TS 29.572 version 16.11.0 Release 16)	33.070.99	srpanj 2024.
ETSI TS 129572 V 17.11.0 *3GPP TS 29.572 Version 17.11.0 Release 17	5G – 5G System – Location Management Services – Stage 3 (3GPP TS 29.572 version 17.11.0 Release 17)	33.070.99	srpanj 2024.
ETSI TS 129572 V 18.6.0 *3GPP TS 29.572 Version 18.6.0 Release 18	5G – 5G System – Location Management Services – Stage 3 (3GPP TS 29.572 version 18.6.0 Release 18)	33.070.99	srpanj 2024.
ETSI TS 129573 V 18.7.0 *3GPP TS 29.573 Version 18.7.0 Release 18	5G – 5G System – Public Land Mobile Network (PLMN) Interconnection – Stage 3 (3GPP TS 29.573 version 18.7.0 Release 18)	33.070.99	srpanj 2024.

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI EG 203499 V 3.1.1	Human Factors (HF) – User-centred terminology for existing and upcoming ICT devices, services and applications	33.040.01	srpanj 2024.
ETSI GS CDM 002 V 1.2.1	Common information sharing environment service and Data Model (CDM) – System Requirements definition – Release 1	35.080; 35.240.01	srpanj 2024.
ETSI GS CDM 004 V 1.1.1	Common information sharing environment service and Data Model (CDM) – Service Model – Release 1	35.080; 35.240.01	srpanj 2024.
ETSI GS CDM 005 V 1.6.1	Common information sharing environment service and Data Model (CDM) – Data Model – Release 1	35.080; 35.240.01	srpanj 2024.
ETSI GS CDM 007-1 V 1.1.1	Common information sharing environment service and Data Model (CDM) – Testing – Conformance test specifications for CISE – Part 1: Test requirements and Protocol Implementation Conformance Statement (PICS) proforma – Release 1	03.220.40; 35.240.60	srpanj 2024.
ETSI GS CDM 007-2 V 1.1.1	Common information sharing environment service and Data Model (CDM) – Testing – Conformance test specifications for CISE – Part 2: Test Suite Structure and Test Purposes (TSS & TP) – Release 1	03.220.40; 35.240.60	srpanj 2024.
ETSI GS CDM 007-3 V 1.1.1	Common information sharing environment service and Data Model (CDM) – Testing – Conformance test specifications for CISE – Part 3: Abstract Test Suite (ATS) and Protocol Implementation eXtra Information for Testing (PIXIT) – Release 1	03.220.40; 35.240.60	srpanj 2024.
ETSI GS ENI 034 V 4.1.1	Experiential Networked Intelligence (ENI) – Requirements and Detailed Procedure of Network Policy Conflict Detection	33.040.40; 35.110	srpanj 2024.
ETSI GR CDM 009 V 1.1.1	Common information sharing environment service and Data Model (CDM) – Validation of the Test Suite	03.220.40; 35.240.60	srpanj 2024.
ETSI GR PDL 017 V 1.1.1	Permissioned Distributed Ledger (PDL) – Application of PDL to Amended Regulation 910/2014 (eIDAS 2) Qualified Trust Services	35.110; 35.240.99	srpanj 2024.
ETSI GS NFV-SOL 001 V 5.1.1	Network Functions Virtualisation (NFV) Release 5 – Protocols and Data Models – NFV descriptors based on TOSCA specification	35.110	srpanj 2024.
ETSI GS NFV-SOL 002 V 5.1.1	Network Functions Virtualisation (NFV) Release 5 – Protocols and Data Models – RESTful protocols specification for the Ve-Vnfm Reference Point	33.040.40; 35.110	srpanj 2024.
ETSI GS NFV-SOL 003 V 5.1.1	Network Functions Virtualisation (NFV) Release 5 – Protocols and Data Models – RESTful protocols specification for the Or-Vnfm Reference Point	33.040.40; 35.110	srpanj 2024.
ETSI GS NFV-SOL 004 V 5.1.1	Network Functions Virtualisation (NFV) Release 5 – Protocols and Data Models – VNF Package and PNFD Archive specification	33.040.40; 35.110	srpanj 2024.
ETSI GS NFV-SOL 005 V 5.1.1	Network Functions Virtualisation (NFV) Release 5 – Protocols and Data Models – RESTful protocols specification for the Os-Ma-nfvo Reference Point	35.110	srpanj 2024.
ETSI GS NFV-SOL 009 V 5.1.1	Network Functions Virtualisation (NFV) Release 5 – Protocols and Data Models – RESTful protocols specification for the management of NFV-MANO	35.110	srpanj 2024.
ETSI GS NFV-SOL 013 V 5.1.1	Network Functions Virtualisation (NFV) Release 5 – Protocols and Data Models – Specification of common aspects for RESTful NFV MANO APIs	35.110	srpanj 2024.
ETSI GS NFV-SOL 014 V 5.1.1	Network Functions Virtualisation (NFV) Release 5 – Protocols and Data Models – YAML data model specification for descriptor-based virtualised resource management	35.110	srpanj 2024.
ETSI GS NFV-SOL 018 V 5.1.1	Network Functions Virtualisation (NFV) Release 5 – Protocols and Data Models – Profiling specification of protocol and data model solutions for OS Container management and orchestration	35.110	srpanj 2024.
ETSI GS NFV-SOL 020 V 5.1.1	Network Functions Virtualisation (NFV) Release 5 – Protocols and Data Models – Specification of protocols and data models for Container Infrastructure Service Cluster Management	35.110	srpanj 2024.
ETSI GS NIN 006 V 1.1.1	Non-IP Networking (NIN) – Scenario Definitions of Next Generation Protocols (NGP)	33.040.40; 35.110	srpanj 2024.
EN 319132-1 V 1.3.1	Electronic Signatures and Trust Infrastructures (ESI) – XAdES digital signatures – Part 1: Building blocks and XAdES baseline signatures	35.240.30	srpanj 2024.

## Međunarodna normizacija (ISO)

Oznaka norme	Naslov norme	ICS	Datum objave
ISO 374-1	Protective gloves against dangerous chemicals and micro-organisms – Part 1: Terminology and performance requirements for chemical risks	01.040.13; 13.340.40	srpanj 2024.
ISO 374-5	Protective gloves against dangerous chemicals and micro-organisms – Part 5: Terminology and performance requirements for micro-organisms risks	01.040.13; 13.340.40	srpanj 2024.
ISO 1431-1	Rubber, vulcanized or thermoplastic – Resistance to ozone cracking – Part 1: Static and dynamic strain testing	83.060	srpanj 2024.
ISO 1514	Paints and varnishes – Standard panels for testing	87.040	srpanj 2024.
ISO/IEC TR 2375	Information technology – Registered escape sequences and coded character sets	35.040.10	srpanj 2024.
ISO 2424	Textile floor coverings – Vocabulary	01.040.97; 97.150	srpanj 2024.
ISO 2884-2	Paints and varnishes – Determination of viscosity using rotational viscometers – Part 2: Relative measurement of viscosity using disc or ball spindles at specified speeds	87.040	srpanj 2024.
ISO 2930	Raw, natural rubber – Determination of the plasticity retention index (PRI)	83.040.10	srpanj 2024.
ISO 2958	Road vehicles – Exterior protection for passenger cars	43.040.80	srpanj 2024.
ISO 3506-7	Fasteners – Mechanical properties of corrosion-resistant stainless steel fasteners – Part 7: Flat washers with specified grades and property classes	21.060.30	srpanj 2024.
ISO 4941	Steel and iron – Determination of molybdenum content – Thiocyanate spectrophotometric method	77.080.01	srpanj 2024.
ISO/IEC 5152	Information technology – Biometric performance estimation methodologies using statistical models	35.240.15	srpanj 2024.
ISO/IEC 5259-1	Artificial intelligence – Data quality for analytics and machine learning (ML) – Part 1: Overview, terminology, and examples	01.040.35; 35.020	srpanj 2024.
ISO/IEC 5259-3	Artificial intelligence – Data quality for analytics and machine learning (ML) – Part 3: Data quality management requirements and guidelines	35.020	srpanj 2024.
ISO/IEC 5259-4	Artificial intelligence – Data quality for analytics and machine learning (ML) – Part 4: Data quality process framework	35.020	srpanj 2024.
ISO 5362	Anaesthetic and respiratory equipment – Anaesthetic reservoir bags	11.040.10	srpanj 2024.
ISO 5910	Cardiovascular implants and extracorporeal systems – Cardiac valve repair devices	11.040.40	srpanj 2024.
ISO/TS 5973	Laser diffraction measurements – Good practice	19.120	srpanj 2024.
ISO 6085 AMD 1	Building construction machinery and equipment – Self-loading mobile concrete mixers – Safety requirements and verification – Amendment 1: Vertical test object height for the visibility measurements	91.220	srpanj 2024.
ISO 6559	Traditional Chinese medicine – Sterile three-edge needle for single use	11.040.25	srpanj 2024.
ISO 6626-1	Internal combustion engines – Piston rings – Part 1: Coil spring loaded oil control rings made of cast iron	43.060.10	srpanj 2024.
ISO 6626-2	Internal combustion engines – Piston rings – Part 2: Coil-spring-loaded oil control rings of narrow width made of cast iron	43.060.10	srpanj 2024.
ISO/TS 6838	Ophthalmic optics – Contact lenses – Tolerances and methods for measurement of multifocal contact lens addition power	11.040.70	srpanj 2024.
ISO 6887-1 AMD 1	Microbiology of the food chain – Preparation of test samples, initial suspension and decimal dilutions for microbiological examination – Part 1: General rules for the preparation of the initial suspension and decimal dilutions – Amendment 1: Requirements and guidance on the use of a larger test portion size for qualitative methods	07.100.30	srpanj 2024.
ISO 6919	Measurement of refrigerated hydrocarbon and non-petroleum based liquefied gaseous fuels – Dynamic measurement of liquefied natural gas (LNG) as marine fuel – Truck-to-ship (TTS) bunkering	75.180.30	srpanj 2024.

Oznaka norme	Naslov norme	ICS	Datum objave
ISO 7039	Metallic materials – Tensile testing – Method for evaluating the susceptibility of materials to the effects of high-pressure gas within hollow test pieces	77.040.10	srpanj 2024.
ISO 7197	Neurosurgical implants – Sterile, single-use hydrocephalus shunts	11.040.40	srpanj 2024.
ISO 7209 AMD 1	Titanium and titanium alloys – Plate, sheet and strip – Technical delivery conditions – Amendment 1: Effective utilization of ISO 23515 specifying the designation of chemical composition	77.120.50	srpanj 2024.
ISO 7217 AMD 1	Titanium and titanium alloys – Bar, rod and billet – Technical delivery conditions – Amendment 1: Effective utilization of ISO 23515 specifying the designation of chemical composition	77.120.50	srpanj 2024.
ISO 7299-1	Diesel engines – End-mounting flanges for pumps – Part 1: Fuel injection pumps	43.060.40	srpanj 2024.
ISO 7301 AMD 1	Rice – Specification – Amendment 1	67.060	srpanj 2024.
ISO 7383-2	Fine bubble technology – Evaluation method for determining gas content in fine bubble dispersions in water – Part 2: Hydrogen content	7.030	srpanj 2024.
ISO 7836	Natural rubber – Identification of phytosterols, including $\beta$ -sitosterol	83.040.10	srpanj 2024.
ISO 7870-6	Control charts – Part 6: EWMA control charts for the process mean	03.120.30	srpanj 2024.
ISO 8028	Rubber and/or plastics hoses and hose assemblies for airless paint spraying – Specification	83.140.40; 87.100	srpanj 2024.
ISO/TS 8103-3	Escalators and moving walks – Part 3: Requirements from other standards (ASME A17.1/CSA B44 and Japanese codes) not included in ISO 8103-1	91.140.90	srpanj 2024.
ISO 8259	Soil quality – Bioaccessibility of organic and inorganic pollutants from contaminated soil and soil-like materials	13.080.30	srpanj 2024.
ISO 8472-1	Biotechnology – Data interoperability for stem cell data – Part 1: Framework	7.080	srpanj 2024.
ISO/IEC/IEEE 8802-15-4	Information technology – Telecommunications and information exchange between systems – Local and metropolitan area networks – Specific requirements – Part 15-4: Wireless medium access control (MAC) and physical layer (PHY) specifications for low-rate wireless personal area networks (WPANs)	35.110	srpanj 2024.
ISO 9717	Metallic and other inorganic coatings – Phosphate conversion coating of metals	25.220.20	srpanj 2024.
ISO 10050	Lubricants, industrial oils and related products (class L) – Family T (Turbines) – Specifications of triaryl phosphate ester turbine control fluids (category ISO-L-TCD)	75.120	srpanj 2024.
ISO 10075-2	Ergonomic principles related to mental workload – Part 2: Design principles	13.180	srpanj 2024.
ISO 10253	Water quality – Marine algal growth inhibition test with <i>Skeletonema</i> sp. and <i>Phaeodactylum tricornutum</i>	13.060.70	srpanj 2024.
ISO 10256-1	Protective equipment for use in ice hockey – Part 1: General requirements	13.340.20; 97.220.20	srpanj 2024.
ISO 10256-2	Protective equipment for use in ice hockey – Part 2: Head protectors for skaters	13.340.20; 97.220.20	srpanj 2024.
ISO 10256-3	Protective equipment for use in ice hockey – Part 3: Face and eye protectors for skaters	13.340.20; 97.220.20	srpanj 2024.
ISO 10256-4	Protective equipment for use in ice hockey – Part 4: Head and face protectors for goalkeepers	13.340.20; 97.220.20	srpanj 2024.
ISO/TS 10303-15	Industrial automation systems and integration – Product data representation and exchange – Part 15: Description methods: SysML XML to XSD transformation	25.040.40	srpanj 2024.
ISO 10313 AMD 1	Ambient air – Determination of the mass concentration of ozone – Chemiluminescence method – Amendment 1: Consensus value for the ozone absorption cross-section at room temperature at the mercury-line wavelength (253,65 nm air)	13.040.20	srpanj 2024.
ISO 10714	Steel and iron – Determination of phosphorus content – Phosphovanadomolybdate spectrophotometric method	77.080.01	srpanj 2024.

Oznaka norme	Naslov norme	ICS	Datum objave
ISO/IEEE 11073-10206	Health informatics – Device interoperability – Part 10206: Personal health device communication – Abstract content information model	35.240.80	srpanj 2024.
ISO 11619	Pneumatic fluid power – Polyurethane and polyamide tubings for use primarily in pneumatic installations – Dimensions and specification	23.040.20	srpanj 2024.
ISO/TR 11826	Ophthalmic optics – Spectacle lenses – Aspects of three-dimensional properties and reference markings	11.040.70	srpanj 2024.
ISO 11892	Space systems – Subsystems or units to spacecraft interface control document	49.140	srpanj 2024.
ISO 12843	Plain bearings – Reuse, recycling and disposal of plain bearing materials	13.030.50; 21.100.10	srpanj 2024.
ISO 13491-1	Financial services – Secure cryptographic devices (retail) – Part 1: Concepts and requirements	35.240.40	srpanj 2024.
ISO 13615	Traditional Chinese medicine – <i>Atractylodes macrocephala</i> rhizome	11.120.10	srpanj 2024.
ISO 13964 AMD 1	Air quality – Determination of ozone in ambient air – Ultraviolet photometric method – Amendment 1: Consensus value for the ozone absorption cross-section at room temperature at the mercury-line wavelength (253,65 nm air)	13.040.20	srpanj 2024.
ISO 14127	Carbon-fibre-reinforced composites – Determination of the resin, fibre and void contents	83.120	srpanj 2024.
ISO 14146	Radiological protection – Criteria and performance limits for the periodic evaluation of dosimetry services for external radiation	13.280	srpanj 2024.
ISO 15085	Small craft – Protection from falling overboard and means of reboarding	47.080	srpanj 2024.
ISO 15098	Dentistry – Dental tweezers	11.060.20	srpanj 2024.
ISO 15590-1	Oil and gas industries including lower carbon energy – Factory bends, fittings and flanges for pipeline transportation systems – Part 1: Induction bends	75.200	srpanj 2024.
ISO/TS 15926-4	Industrial automation systems and integration – Integration of life-cycle data for process plants including oil and gas production facilities – Part 4: Core reference data	25.040.40; 75.020	srpanj 2024.
ISO 16000-33	Indoor air – Part 33: Determination of phthalates with gas chromatography/mass spectrometry (GC/MS)	13.040.20	srpanj 2024.
ISO 16321-1 AMD 1	Eye and face protection for occupational use – Part 1: General requirements – Amendment 1	13.340.20	srpanj 2024.
ISO 16881-1	Cranes – Design calculation for wheel/rail contacts and associated trolley track supporting structure – Part 1: General	53.020.20	srpanj 2024.
ISO/IEC TS 17012	Conformity assessment – Guidelines for the use of remote auditing methods in auditing management systems	03.120.20	srpanj 2024.
ISO 17256	Anaesthetic and respiratory equipment – Respiratory therapy tubing and connectors	11.040.10	srpanj 2024.
ISO 17491-5	Protective clothing – Test methods for clothing providing protection against chemicals – Part 5: Determination of resistance to penetration by a spray of liquid (manikin spray test)	13.340.10	srpanj 2024.
ISO/IEC 17823	Information technology – Office equipment – Vocabulary for office colour equipment	37.100.10	srpanj 2024.
ISO 17973	Surface chemical analysis – Medium-resolution Auger electron spectrometers – Calibration of energy scales for elemental analysis	71.040.40	srpanj 2024.
ISO 18081	Non-destructive testing – Acoustic emission testing (AT) – Leak detection by means of acoustic emission	19.100	srpanj 2024.
ISO/IEC 18181-1	Information technology – JPEG XL image coding system – Part 1: Core coding system	35.040.30	srpanj 2024.
ISO 18276	Welding consumables – Tubular cored electrodes for gas-shielded and non-gas-shielded metal arc welding of high strength steels – Classification	25.160.20	srpanj 2024.
ISO 18497-1	Agricultural machinery and tractors – Safety of partially automated, semi-autonomous and autonomous machinery – Part 1: Machine design principles and vocabulary	01.040.65; 65.060.01	srpanj 2024.



Oznaka norme	Naslov norme	ICS	Datum objave
ISO 18497-2	Agricultural machinery and tractors – Safety of partially automated, semi-autonomous and autonomous machinery – Part 2: Design principles for obstacle protection systems	65.060.01	srpanj 2024.
ISO 18497-3	Agricultural machinery and tractors – Safety of partially automated, semi-autonomous and autonomous machinery – Part 3: Autonomous operating zones	65.060.01	srpanj 2024.
ISO 18497-4	Agricultural machinery and tractors – Safety of partially automated, semi-autonomous and autonomous machinery – Part 4: Verification methods and validation principles	65.060.01	srpanj 2024.
ISO 18676	Space systems – Requirements and guidelines for the management of systems engineering	49.140	srpanj 2024.
ISO 19085-4	Woodworking machines – Safety – Part 4: Vertical panel circular sawing machines	13.110; 79.120.10	srpanj 2024.
ISO 19085-5	Woodworking machines – Safety – Part 5: Dimension saws	13.110; 79.120.10	srpanj 2024.
ISO 19085-8	Woodworking machines – Safety – Part 8: Wide belt sanding machines and surface treating machines	13.110; 79.120.10	srpanj 2024.
ISO 19085-11	Woodworking machines – Safety – Part 11: Combined machines	13.110; 79.120.10	srpanj 2024.
ISO 19152-3	Geographic information – Land Administration Domain Model (LADM) – Part 3: Marine georegulation	35.240.70	srpanj 2024.
ISO/TS 19321	Intelligent transport systems – Cooperative ITS – Dictionary of in-vehicle information (IVI) data structures	35.240.60; 43.040.15	srpanj 2024.
ISO/TS 19425	Reciprocating internal combustion engines – Measurement method for air cleaners – Sound power level of combustion air inlet noise and insertion loss using sound pressure	27.020	srpanj 2024.
ISO 19880-9	Gaseous hydrogen – Fuelling stations – Part 9: Sampling for fuel quality analysis	43.060.40; 71.100.20	srpanj 2024.
ISO/TS 20517	Space systems – Cybersecurity management requirements and recommendations	49.140	srpanj 2024.
ISO 20631	Infant formula and adult nutritionals – Determination of total folate content by trienzyme extraction and ultra high performance liquid chromatography tandem mass spectrometry (UHPLC-MS/MS)	67.050	srpanj 2024.
ISO/IEC 20648	Information technology – TLS specification for storage systems	35.030; 35.220.01	srpanj 2024.
ISO/IEC 21122-1	Information technology – JPEG XS low-latency lightweight image coding system – Part 1: Core coding system	35.040.30; 35.040.40	srpanj 2024.
ISO 21219-7	Intelligent transport systems – Traffic and travel information (TTI) via transport protocol experts group, generation 2 (TPEG2) – Part 7: Location referencing container (TPEG2-LRC)	03.220.01; 35.240.60	srpanj 2024.
ISO 21720	XLIFF (XML Localization Interchange File Format)	35.240.30	srpanj 2024.
ISO/PAS 22101-3	Polyethylene reinforced with short glass fibres (PE-sGF) piping systems for industrial applications – Part 3: Fittings	23.040.01	srpanj 2024.
ISO/PAS 22101-5	Polyethylene reinforced with short glass fibres (PE-sGF) piping systems for industrial applications – Part 5: Fitness for purpose of the system	23.040.01	srpanj 2024.
ISO 22638	Rubber – Generation and collection of tyre and road wear particles (TRWP) – Road simulator laboratory method	13.020.40; 83.060; 83.160.01	srpanj 2024.
ISO/TR 22762-7	Elastomeric seismic-protection isolators – Part 7: Relationship of the ISO 22762 series to the design and testing of seismic isolation systems	83.140.99; 91.120.25	srpanj 2024.
ISO/IEC 23000-19 AMD 1	Information technology – Multimedia application format (MPEG-A) – Part 19: Common media application format (CMAF) for segmented media – Amendment 1: Low complexity enhancement video Coding (LCEVC) and other technologies	35.040.40	srpanj 2024.
ISO/IEC 23001-11 AMD 1	Information technology – MPEG systems technologies – Part 11: Energy-efficient media consumption (green metadata) – Amendment 1: Energy-efficient media consumption (green metadata) for EVC	35.040.40	srpanj 2024.
ISO/IEC TR 23002-9	Information technology – MPEG video technologies – Part 9: Film grain synthesis technology for video applications	35.040.40	srpanj 2024.

Oznaka norme	Naslov norme	ICS	Datum objave
ISO/IEC 23090-3	Information technology – Coded representation of immersive media – Part 3: Versatile video coding	35.040.40	srpanj 2024.
ISO/IEC 23090-15	Information technology – Coded representation of immersive media – Part 15: Conformance testing for versatile video coding	35.040.40	srpanj 2024.
ISO 23138	Biological equipment for treating air and other gases – General requirements	91.140.30	srpanj 2024.
ISO 23355	Visibility data interchange among logistics information service providers	03.100.10; 35.240.99	srpanj 2024.
ISO 23500-2	Preparation and quality management of fluids for haemodialysis and related therapies – Part 2: Water treatment equipment for haemodialysis applications and related therapies	11.040.40	srpanj 2024.
ISO/IEC 23773-1	Information technology – User interfaces for automatic simultaneous interpretation systems – Part 1: General	35.240.30	srpanj 2024.
ISO/IEC 23773-2	Information technology – User interfaces for automatic simultaneous interpretation systems – Part 2: Requirements and functional description	35.240.30	srpanj 2024.
ISO/IEC 23773-3	Information technology – User interfaces for automatic simultaneous interpretation systems – Part 3: System architecture	35.240.30	srpanj 2024.
ISO/TS 23782	Requirements for large-scale test methods to represent fire threats to people in different fire scenarios	13.220.01	srpanj 2024.
ISO 23793-1	Intelligent transport systems – Minimal risk manoeuvre (MRM) for automated driving – Part 1: Framework, straight-stop and in-lane stop	03.220.20; 35.240.60	srpanj 2024.
ISO 23814	Cranes – Competency requirements for crane inspectors	03.100.30; 53.020.20	srpanj 2024.
ISO/IEC 24079	Information technology – Network Controller Sideband Interface (NC-SI) specifications collection	35.200	srpanj 2024.
ISO 24089 AMD 1	Road vehicles – Software update engineering – Amendment 1	43.040.15	srpanj 2024.
ISO 27548	Additive manufacturing of plastics – Environment, health, and safety – Test method for determination of particle and chemical emission rates from desktop material extrusion 3D printer	13.040.30; 13.100; 25.030	srpanj 2024.
ISO/IEC 27554	Information security, cybersecurity and privacy protection – Application of ISO 31000 for assessment of identity-related risk	03.100.01; 35.030	srpanj 2024.
ISO 29461-3	Air intake filter systems for rotary machinery – Test methods – Part 3: Mechanical integrity of filter elements	29.160.99	srpanj 2024.
ISO 29464	Cleaning of air and other gases – Vocabulary	01.040.91; 91.140.30	srpanj 2024.
ISO 30005	Ships and marine technology – Ship recycling management – Information control for hazardous materials in the manufacturing chain of shipbuilding and ship operations	47.020.01	srpanj 2024.
ISO/IEC 33202	Software and systems engineering – Core agile practices	35.080	srpanj 2024.
ISO 37005	Governance of organizations – Developing indicators for effective governance	03.100.02	srpanj 2024.
ISO/TR 41030	Facility management – Existing performance management in facility management organizations – State of the industry	03.080.10	srpanj 2024.
ISO/ASTM 52904	Additive manufacturing of metals – Process characteristics and performance – Metal powder bed fusion process to meet critical applications	25.030	srpanj 2024.
ISO 55000	Asset management – Vocabulary, overview and principles	01.040.03; 03.100.01	srpanj 2024.
ISO 55001	Asset management – Asset management system – Requirements	03.100.01; 03.100.70	srpanj 2024.
ISO/TS 55010	Asset management – Guidance on the alignment of financial and non-financial functions in asset management	03.100.01	srpanj 2024.
ISO 55012	Asset management – Guidance on people involvement and competence	03.100.01	srpanj 2024.
ISO 55013	Asset management – Guidance on the management of data assets	03.100.01	srpanj 2024.
ISO 80369-2	Small-bore connectors for liquids and gases in healthcare applications – Part 2: Connectors for respiratory applications	11.040.10; 11.040.20	srpanj 2024.

## Međunarodna normizacija (IEC)

Oznaka norme	Naslov norme	ICS	Datum objave
IEC 60092-379	Electrical installations in ships – Part 379: Symmetrical category cables with transmission characteristics up to 1000 MHz	29.060.20; 47.020.60	srpanj 2024.
IEC 60127-8 AMD 1	Miniature fuses – Part 8: Fuse resistors with particular overcurrent protection; Amendment 1	29.120.50	srpanj 2024.
IEC 60127-8 Edition 1.1	Miniature fuses – Part 8: Fuse resistors with particular overcurrent protection	29.120.50	srpanj 2024.
IEC 60335-2-25	Household and similar electrical appliances – Safety – Part 2-25: Particular requirements for microwave ovens, including combination microwave ovens	13.120; 97.040.20	srpanj 2024.
IEC 60335-2-90	Household and similar electrical appliances – Safety – Part 2-90: Particular requirements for commercial microwave ovens	97.040.20	srpanj 2024.
IEC 60335-2-110	Household and similar electrical appliances – Safety – Part 2-110: Particular requirements for commercial microwave appliances with insertion or contacting applicators	97.040.20	srpanj 2024.
IEC 60404-1-1 AMD 1	Magnetic materials – Part 1-1: Classification – Surface insulations of electrical steel strip, sheet and laminations; Amendment 1	29.030	srpanj 2024.
IEC 60404-1-1 Edition 1.1	Magnetic materials – Part 1-1: Classification – Surface insulations of electrical steel strip, sheet and laminations	29.030	srpanj 2024.
IEC 60422	Mineral insulating oils in electrical equipment – Supervision and maintenance guidance	29.040.10	srpanj 2024.
IEC 60601-2-37	Medical electrical equipment – Part 2-37: Particular requirements for the basic safety and essential performance of ultrasonic medical diagnostic and monitoring equipment	11.040.55; 17.140.50	srpanj 2024.
IEC 60825-12 Corrigendum 1	Safety of laser products – Part 12: Safety of free space optical communication systems used for transmission of information; Corrigendum 1	31.260	srpanj 2024.
IEC 60884-3-1 Corrigendum 1	Plugs and socket-outlets for household and similar purposes – Part 3-1: Particular requirements for socket-outlets incorporating USB power supply; Corrigendum 1	29.120.30	srpanj 2024.
IEC 61000-2-4	Electromagnetic compatibility (EMC) – Part 2-4: Environment – Compatibility levels in power distribution systems in industrial locations for low-frequency conducted disturbances	33.100.01; 33.100.10; 33.100.20	srpanj 2024.
IEC 61184 AMD 2	Bayonet lampholders; Amendment 2	29.140.10	srpanj 2024.
IEC 61184 Edition 4.2	Bayonet lampholders	29.140.10	srpanj 2024.
IEC 61280-2-13	Fibre optic communication subsystem test procedures – Part 2-13: Digital systems – Measurement of error vector magnitude	33.180.01; 33.180.10	srpanj 2024.
IEC 61400-8	Wind energy generation systems – Part 8: Design of wind turbine structural components	27.180	srpanj 2024.
IEC/TR 61643-03	Low-voltage surge protective devices – Part 03: SPD testing guide	29.120.50; 29.240.01; 29.240.10	srpanj 2024.
IEC 61674	Medical electrical equipment – Dosimeters with ionization chambers and/or semiconductor detectors as used in X-ray diagnostic imaging	11.040.50; 17.240	srpanj 2024.
IEC 61786-1 AMD 1	Measurement of DC magnetic, AC magnetic and AC electric fields from 1 Hz to 100 kHz with regard to exposure of human beings – Part 1: Requirements for measuring instruments; Amendment 1	17.220.20	srpanj 2024.
IEC 61786-1 Edition 1.1	Measurement of DC magnetic, AC magnetic and AC electric fields from 1 Hz to 100 kHz with regard to exposure of human beings – Part 1: Requirements for measuring instruments	17.220.20	srpanj 2024.
IEC 61960-4	Secondary cells and batteries containing alkaline or other non-acid electrolytes – Secondary lithium cells and batteries for portable applications – Part 4: Coin secondary lithium cells, and batteries made from them	29.220.30; 29.220.99	srpanj 2024.
IEC 61968-9	Enterprise business function interfaces for utility operations – Part 9: Interfaces for meter reading and control	33.200; 35.240.99; 91.140.50	srpanj 2024.
IEC 62024-1	High frequency inductive components – Electrical characteristics and measuring methods – Part 1: Nanohenry range chip inductor	29.100.10	srpanj 2024.

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IEC 62282-8-201	Fuel cell technologies – Part 8-201: Energy storage systems using fuel cell modules in reverse mode – Test procedures for the performance of power-to-power systems	27.070	srpanj 2024.
IEC 62381	Automation systems in the process industry – Factory acceptance test (FAT), site acceptance test (SAT), and site integration test (SIT)	25.040.40; 35.240.50	srpanj 2024.
IEC 62463	Radiation protection instrumentation – X-ray systems for the security screening of persons	13.280; 13.310; 17.240	srpanj 2024.
IEC/TS 62600-103	Marine energy – Wave, tidal and other water current converters – Part 103: Guidelines for the early stage development of wave energy converters – Best practices and recommended procedures for the testing of pre-prototype devices	07.060; 27.140; 27.190	srpanj 2024.
IEC/TS 62607-9-2	Nanomanufacturing – Key control characteristics – Part 9-2: Nanomagnetic products – Magnetic field distribution: Magneto-optical indicator film technique	07.120; 31.120; 31.260	srpanj 2024.
IEC 62631-3-12	Dielectric and resistive properties of solid insulating materials – Part 3-12: Determination of resistive properties (DC methods) – Volume resistance and volume resistivity – Method for casting resins	17.220.99; 29.035.01	srpanj 2024.
IEC 62676-5-1	Video surveillance systems for use in security applications – Part 5-1: Data specifications and image quality performance for camera devices – Environmental test methods for image quality performance	13.310; 13.320	srpanj 2024.
IEC/TS 62788-2	Measurement procedures for materials used in photovoltaic modules – Part 2: Polymeric materials – Frontsheets and backsheets	27.160	srpanj 2024.
IEC 62788-7-3 AMD 1	Measurement procedures for materials used in photovoltaic modules – Part 7-3: Accelerated stress tests – Methods of abrasion of PV module external Surfaces; Amendment 1	27.160	srpanj 2024.
IEC 62788-7-3 Edition 1.1	Measurement procedures for materials used in photovoltaic modules – Part 7-3: Accelerated stress tests – Methods of abrasion of PV module external Surfaces	27.160	srpanj 2024.
IEC 62841-3-4 Edition 1.2 Corrigendum 1	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 3-4: Particular requirements for transportable bench grinders; Corrigendum 1	25.080.50; 25.140.20	srpanj 2024.
IEC 62933-5-1	Electrical energy storage (EES) systems – Part 5-1: Safety considerations for grid-integrated EES systems – General specification	13.020.30; 27.010	srpanj 2024.
IEC 63128 AMD 1	Lighting control interface for dimming – Analogue voltage dimming interface for electronic current sourcing controlgear; Amendment 1	29.140.99	srpanj 2024.
IEC 63128 Edition 1.1	Lighting control interface for dimming – Analogue voltage dimming interface for electronic current sourcing controlgear	29.140.99	srpanj 2024.
IEC 63298	Nuclear power plants – Electrical power systems – Coordination and interaction with electric grid	27.120.20; 29.240.01	srpanj 2024.
IEC/TS 63336	Commissioning of VSC HVDC systems	29.200; 29.240.01	srpanj 2024.
IEC 63412-1	Ultrasonics – Shear-wave elastography – Part 1: Specifications for the user interface	11.040.55; 17.140.50	srpanj 2024.
IEC SRD 63476-1	Smart city system ontology – Part 1: Gap analysis	13.020.20; 35.240.99; 91.020	srpanj 2024.
IEC/TR 63482	Maintenance of low voltage switchgear and controlgear and their assemblies	29.130.20	srpanj 2024.
ISO/IEC TR 2375	Information technology – Registered escape sequences and coded character sets	35.040.10	srpanj 2024.
ISO/IEC 5152	Information technology – Biometric performance estimation methodologies using statistical models	35.240.15	srpanj 2024.
ISO/IEC 5259-1	Artificial intelligence – Data quality for analytics and machine learning (ML) – Part 1: Overview, terminology, and examples	01.040.35; 35.020	srpanj 2024.
ISO/IEC 5259-3	Artificial intelligence – Data quality for analytics and machine learning (ML) – Part 3: Data quality management requirements and guidelines	35.020	srpanj 2024.

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ISO/IEC 5259-4	Artificial intelligence – Data quality for analytics and machine learning (ML) – Part 4: Data quality process framework	35.020	srpanj 2024.
ISO/IEC/IEEE 8802-15-4	Information technology – Telecommunications and information exchange between systems – Local and metropolitan area networks – Specific requirements – Part 15-4: Wireless medium access control (MAC) and physical layer (PHY) specifications for low-rate wireless personal area networks (WPANs)	35.110	srpanj 2024.
ISO/IEC TS 17012	Conformity assessment – Guidelines for the use of remote auditing methods in auditing management systems	03.120.20	srpanj 2024.
ISO/IEC 17823	Information technology – Office equipment – Vocabulary for office colour equipment	37.100.10	srpanj 2024.
ISO/IEC 18181-1	Information technology – JPEG XL image coding system – Part 1: Core coding system	35.040.30	srpanj 2024.
ISO/IEC 20648	Information technology – TLS specification for storage systems	35.030; 35.220.01	srpanj 2024.
ISO/IEC 21122-1	Information technology – JPEG XS low-latency lightweight image coding system – Part 1: Core coding system	35.040.30; 35.040.40	srpanj 2024.
ISO/IEC 23000-19 AMD 1	Information technology – Multimedia application format (MPEG-A) – Part 19: Common media application format (CMAF) for segmented media – Amendment 1: Low complexity enhancement video Coding (LCEVC) and other technologies	35.040.40	srpanj 2024.
ISO/IEC 23001-11 AMD 1	Information technology – MPEG systems technologies – Part 11: Energy-efficient media consumption (green metadata) – Amendment 1: Energy-efficient media consumption (green metadata) for EVC	35.040.40	srpanj 2024.
ISO/IEC TR 23002-9	Information technology – MPEG video technologies – Part 9: Film grain synthesis technology for video applications	35.040.40	srpanj 2024.
ISO/IEC 23090-3	Information technology – Coded representation of immersive media – Part 3: Versatile video coding	35.040.40	srpanj 2024.
ISO/IEC 23090-15	Information technology – Coded representation of immersive media – Part 15: Conformance testing for versatile video coding	35.040.40	srpanj 2024.
ISO/IEC 23773-1	Information technology – User interfaces for automatic simultaneous interpretation systems – Part 1: General	35.240.30	srpanj 2024.
ISO/IEC 23773-2	Information technology – User interfaces for automatic simultaneous interpretation systems – Part 2: Requirements and functional description	35.240.30	srpanj 2024.
ISO/IEC 23773-3	Information technology – User interfaces for automatic simultaneous interpretation systems – Part 3: System architecture	35.240.30	srpanj 2024.
ISO/IEC 24079	Information technology – Network Controller Sideband Interface (NC-SI) specifications collection	35.200	srpanj 2024.
ISO/IEC 27554	Information security, cybersecurity and privacy protection – Application of ISO 31000 for assessment of identity-related risk	03.100.01; 35.030	srpanj 2024.
ISO/IEC 33202	Software and systems engineering – Core agile practices	35.080	srpanj 2024.
ISO 80369-2	Small-bore connectors for liquids and gases in healthcare applications – Part 2: Connectors for respiratory applications	11.040.10; 11.040.20	srpanj 2024.