

# 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 tri načina:

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

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

### HZN/TO 8, *Brodogradnja*

HRN EN 711:2025 en pr  
Plovni objekti unutarnje plovidbe – Ograde za palubu i rubne dijelove – Zahtjevi, izvedba i tipovi (EN 711:2024)  
Inland navigation vessels – Railings for decks and side decks – Requirements, designs and types (EN 711:2024)

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

HRN EN 15491:2025 en pr  
Etanol kao komponenta koja se namješava u benzin – Određivanje ukupne kiselosti – Metoda kolorimetrijske titracije (EN 15491:2025)  
Ethanol as a blending component for petrol – Determination of total acidity – Colour indicator titration method (EN 15491:2025)

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

HRN EN ISO 16834:2025 en pr  
Dodatni i potrošni materijali za zavarivanje – Žičane elektrode, žice, šipke i depoziti za elektrolučno zavarivanje sa zaštitom plina za čelike visoke čvrstoće – Razredba (ISO 16834:2025; EN ISO 16834:2025)  
Welding consumables – Wire electrodes, wires, rods and deposits for gas shielded arc welding of high strength steels – Classification (ISO 16834:2025; EN ISO 16834:2025)

HRN EN ISO 21952:2025 en pr  
Dodatni i potrošni materijali za zavarivanje – Žičane elektrode, žice, šipke i depoziti za elektrolučno zavarivanje sa zaštitom plina za čelike otporne na puzanje – Razredba (ISO 21952:2025; EN ISO 21952:2025)  
Welding consumables – Wire electrodes, wires, rods and deposits for gas shielded arc welding of creep-resisting steels – Classification (ISO 21952:2025; EN ISO 21952:2025)

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

HRN EN ISO 12460-2:2025 en pr  
Ploče na osnovi drva – Određivanje otpuštanja formaldehida – 2. dio: Metoda male komore (ISO 12460-2:2024; EN ISO 12460-2:2025)  
Wood-based panels – Determination of formaldehyde release – Part 2: Small-scale chamber method (ISO 12460-2:2024; EN ISO 12460-2:2025)

### HZN/TO 120, *Koža i obuća*

HRN EN ISO 16187:2025 en pr  
Obuća i dijelovi obuće – Metoda ispitivanja za procjenu antibakterijskog djelovanja (ISO 16187:2025; EN ISO 16187:2025)  
Footwear and footwear components – Test method to assess antibacterial activity (ISO 16187:2025; EN ISO 16187:2025)

HRN EN ISO 19952:2025 en pr  
Obuća – Terminološki rječnik (ISO 19952:2025; EN ISO 19952:2025)  
Footwear – Vocabulary (ISO 19952:2025; EN ISO 19952:2025)

HRN EN ISO 23649:2025 en pr  
Kemikalije za industriju štavljenja kože – Određivanje ciklosiloksana (ISO 23649:2025; EN ISO 23649:2025)  
Chemicals for the leather tanning industry – Determination of cyclosiloxanes (ISO 23649:2025; EN ISO 23649:2025)

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

HRN EN 1680:2025 en pr  
Plastični cijevni sustavi – Ventili za cijevne sustave od polietilena (PE) – Metoda ispitivanja nepropusnosti vretena ventila tijekom savijanja i poslije njegova savijanja (EN 1680:2025)  
Plastics piping systems – Valves for polyethylene (PE) piping systems – Test method for leaktightness under and after bending applied to the operating mechanisms (EN 1680:2025)

HRN EN ISO 10928:2025 en pr  
Plastični cijevni sustavi – Staklom ojačane duromerne (GRP) cijevi i spojnice – Metode za regresijsku analizu i njihova primjena (ISO 10928:2024; EN ISO 10928:2025)  
Plastics piping systems – Glass-reinforced thermosetting plastics (GRP) pipes and fittings – Methods for regression analysis and their use (ISO 10928:2024; EN ISO 10928:2025)

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

HRN EN 71-15:2025 en pr  
Sigurnost igračaka – 15. dio: Formamid u pjenastim materijalima za igračke (sadržaj) (EN 71-15:2025)  
Safety of toys – Part 15: Formamide in foam toy materials (content) (EN 71-15:2025)

HRN EN 71-16:2025 en pr  
Sigurnost igračaka – 16. dio: Određeni klorirani usporivači plamena koji sadrže fosfor (TCEP, TCPP, TDCP) u materijalima za igračke (EN 71-16:2025)  
Safety of toys – Part 16: Certain chlorinated phosphorus flame retardants (TCEP, TCPP, TDCP) in toy materials (EN 71-16:2025)

HRN EN 71-17:2025 en pr  
Sigurnost igračaka – 17. dio: Određeni izotiazolinoni (MIT, CIT, BIT) u materijalima za igračke koji sadrže vodu (EN 71-17:2025)  
Safety of toys – Part 17: Certain isothiazolinones (MIT, CIT, BIT) in aqueous toy materials (EN 71-17:2025)

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

HRN EN ISO 19164:2025 en pr  
Geoinformacije – Prostorno objektno modeliranje – Unutarnja okruženja (ISO 19164:2024; EN ISO 19164:2024)  
Geographic information – Indoor feature model (ISO 19164:2024; EN ISO 19164:2024)

### HZN/TO 323, *Kružno gospodarstvo*

HRN ISO 59004:2025 en pr  
Kružno gospodarstvo – Terminološki rječnik, načela i upute za primjenu (ISO 59004:2024)  
Circular economy – Vocabulary, principles and guidance for implementation (ISO 59004:2024)

HRN ISO 59010:2025 en pr  
Kružno gospodarstvo – Upute za prilagodbu poslovnih modela i vrijednosnih mreža na kružni model (ISO 59010:2024)  
Circular economy – Guidance on the transition of business models and value networks (ISO 59010:2024)

HRN ISO 59020:2025 en pr  
Kružno gospodarstvo – Mjerenje i ocjena usklađenosti s načelima kružnog gospodarstva (ISO 59020:2024)  
Circular economy – Measuring and assessing circularity performance (ISO 59020:2024)

HRI ISO/TR 59032:2025 en pr  
Kružno gospodarstvo – Preispitivanje postojećih vrijednosnih mreža (ISO/TR 59032:2024)  
Circular economy – Review of existing value networks (ISO/TR 59032:2024)

## HZN/TO 503, Metalni materijali

HRN EN 1254-3:2025 en pr  
Bakar i legure bakra – Vodovodne spojnice – 3. dio: Stezne spojnice za upotrebu s plastičnim i višeslojnim cijevima (EN 1254-3:2021+A1:2025)  
Copper and copper alloys – Plumbing fittings – Part 3: Compression fittings for use with plastics and multilayer pipes (EN 1254-3:2021+A1:2025)

HRN EN 1254-6:2025 en pr  
Bakar i legure bakra – Vodovodne spojnice – 6. dio: Spojnice s krajevima za naglavljivanje za upotrebu s metalnim, plastičnim i višeslojnim cijevima (EN 1254-6:2021+A1:2025)  
Copper and copper alloys – Plumbing fittings – Part 6: Push-fit fittings for use with metallic tubes, plastics and multilayer pipes (EN 1254-6:2021+A1:2025)

HRN EN 1254-8:2025 en pr  
Bakar i legure bakra – Vodovodne spojnice – 8. dio: Spojnice s krajevima za utiskivanje za upotrebu s plastičnim i višeslojnim cijevima (EN 1254-8:2021+A1:2025)  
Copper and copper alloys – Plumbing fittings – Part 8: Press fittings for use with plastics and multilayer pipes (EN 1254-8:2021+A1:2025)

HRN EN 1254-20:2025 en pr  
Bakar i legure bakra – Vodovodne spojnice – 20. dio: Definicije, dimenzije navoja, metode ispitivanja, referentni podaci i popratne informacije (EN 1254-20:2021+A1:2025)  
Copper and copper alloys – Plumbing fittings – Part 20: Definitions, thread dimensions, test methods, reference data and supporting information (EN 1254-20:2021+A1:2025)

HRN EN 10379:2025 en pr  
Žmurje od čelika – Metode ispitivanja (EN 10379:2025)  
Steel sheet piles – Test methods (EN 10379:2025)

HRN EN 14361:2025 en pr  
Aluminij i aluminijevе legure – Kemijska analiza – Uzorkovanje iz talina (EN 14361:2025)  
Aluminium and aluminium alloys – Chemical analysis – Sampling from metal melts (EN 14361:2025)

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

HRN EN ISO 8407:2021/A1:2025 en pr  
Korozija metala i legura – Uklanjanje korozivskih produkata s uzoraka za ispitivanje korozije (ISO 8407:2021/Amd 1:2025; EN ISO 8407:2021/A1:2025)  
Corrosion of metals and alloys – Removal of corrosion products from corrosion test specimens (ISO 8407:2021/Amd 1:2025; EN ISO 8407:2021/A1:2025)

HRN EN ISO 9351:2025 en pr  
Galvanske anode za katodnu zaštitu u morskoj vodi i slanome mulju (ISO 9351:2025; EN ISO 9351:2025)  
Galvanic anodes for cathodic protection in seawater and saline sediments (ISO 9351:2025; EN ISO 9351:2025)

HRN EN ISO 28721-2:2025 en pr  
Staklasti i porculanski emajli – Staklasto prevučeni aparati za procesna postrojenja – 2. dio: Označavanje i specifikacija otpornosti na kemijsko djelovanje i toplinski šok (ISO 28721-2:2025; EN ISO 28721-2:2025)  
Vitreous and porcelain enamels – Glass-lined apparatus for process plants – Part 2: Designation and specification of resistance to chemical attack and thermal shock (ISO 28721-2:2025; EN ISO 28721-2:2025)

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

HRN EN ISO 19901-4:2025 en pr  
Industrije nafte i plina uključujući energiju s niskim ugljikom – Posebni zahtjevi za odobalne konstrukcije – 4. dio: Zahtjevi i preporuke za projektiranje i izvođenje geotehničkih radova (ISO 19901-4:2025; EN ISO 19901-4:2025)  
Oil and gas industries including lower carbon energy – Specific requirements for offshore structures – Part 4: Geotechnical design considerations (ISO 19901-4:2025; EN ISO 19901-4:2025)

## HZN/TO 508, Ambalaža i pakiranje

HRN EN ISO 8611-1:2025 en pr  
Paleta za rukovanje materijalima – Plošne palete – 1. dio: Metode ispitivanja (ISO 8611-1:2025; EN ISO 8611-1:2025)  
Pallets for materials handling – Flat pallets – Part 1: Test methods (ISO 8611-1:2025; EN ISO 8611-1:2025)

HRN EN ISO 8611-2:2025 en pr  
Paleta za rukovanje materijalima – Plošne palete – 2. dio: Izvedbeni zahtjevi i izbor načina ispitivanja (ISO 8611-2:2025; EN ISO 8611-2:2025)  
Pallets for materials handling – Flat pallets – Part 2: Performance requirements and selection of tests (ISO 8611-2:2025; EN ISO 8611-2:2025)

## HZN/TO 513, Mjerne jedinice i mjerila

HRN EN ISO 4064-1:2025 en pr  
Vodomjeri za hladnu pitku vodu i vruću vodu – 1. dio: Mjeriteljski i tehnički zahtjevi (ISO 4064-1:2024; EN ISO 4064-1:2025)  
Water meters for cold potable water and hot water – Part 1: Metrological and technical requirements (ISO 4064-1:2024; EN ISO 4064-1:2025)

HRN EN ISO 4064-2:2025 en pr  
Vodomjeri za hladnu pitku vodu i vruću vodu – 2. dio: Metode ispitivanja (ISO 4064-2:2024; EN ISO 4064-2:2025)  
Water meters for cold potable water and hot water – Part 2: Test methods (ISO 4064-2:2024; EN ISO 4064-2:2025)

## HZN/TO 524, Inteligentni transportni sustavi

HRN EN 17249-5:2025 en pr  
Inteligentni transportni sustavi – Elektronička sigurnost – 5. dio: Elektronički hitni poziv za UNECE kategorije L1 i L3 vozila s pogonom na dva kotača (EN 17249-5:2025)  
Intelligent transport systems – eSafety – Part 5: eCall for UNECE category L1 and L3 powered two-wheel vehicles (EN 17249-5:2025)

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

HRN EN 13001-3-1:2025 en pr  
Dizalice – Osnove projektiranja – Dio 3-1: Granična stanja i dokaz sigurnosti za čelične nosive konstrukcije (EN 13001-3-1:2025)  
Cranes – General design – Part 3-1: Limit states and proof competence of steel structure (EN 13001-3-1:2025)

## HZN/TO 533, Kolničke konstrukcije

HRN EN 12697-35:2025 en pr  
Bitumsenske mješavine – Metode ispitivanja – 35. dio: Laboratorijsko miješanje (EN 12697-35:2025)  
Bituminous mixtures – Test methods – Part 35: Laboratory mixing (EN 12697-35:2025)

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

HRN EN ISO 16610-21:2025 en pr  
Geometrijske specifikacije proizvoda (GSP) – Filtriranje – 21. dio: Filtri linearnog profila: Gauss-ovi filtri (ISO 16610-21:2025; EN ISO 16610-21:2025)  
Geometrical product specifications (GPS) – Filtration – Part 21: Linear profile filters: Gaussian filters (ISO 16610-21:2025; EN ISO 16610-21:2025)

HRN EN ISO 16610-31:2025 en pr  
Geometrijske specifikacije proizvoda (GSP) – Filtriranje – 31. dio: Robusni profilni filtri – Gaussovi regresijski filtri (ISO 16610-31:2025; EN ISO 16610-31:2025)  
Geometrical product specifications (GPS) – Filtration – Part 31: Robust profile filters: Gaussian regression filters (ISO 16610-31:2025; EN ISO 16610-31:2025)

HRN EN ISO 16610-45:2025 en pr  
Geometrijske specifikacije proizvoda (GPS) – Filtriranje – 45. dio: Morfološki profilni filtri: Segmentacija (ISO 16610-45:2025; EN ISO 16610-45:2025)  
Geometrical product specifications (GPS) – Filtration – Part 45: Morphological profile filters: Segmentation (ISO 16610-45:2025; EN ISO 16610-45:2025)

HRN EN ISO 25178-601:2025 en pr  
Geometrijske specifikacije proizvoda (GSP) – Tekstura površine: Areal – 601. dio: Nazivne karakteristike kontaktnih instrumenata (s ticalom) (ISO 25178-601:2025; EN ISO 25178-601:2025)  
Geometrical product specifications (GPS) – Surface texture: Areal – Part 601: Design and characteristics of contact (stylus) instruments (ISO 25178-601:2025; EN ISO 25178-601:2025)

HRN EN ISO 25178-602:2025 en pr  
Geometrijske specifikacije proizvoda (GSP) – Tekstura površine: Areal – 602. dio: Nazivne karakteristike nekontaktnih instrumenata (konfokalna kromatska sonda) (ISO 25178-602:2025; EN ISO 25178-602:2025)  
Geometrical product specifications (GPS) – Surface texture: Areal – Part 602: Design and characteristics of non-contact (confocal chromatic probe) instruments (ISO 25178-602:2025; EN ISO 25178-602:2025)

HRN EN ISO 25178-603:2025 en pr  
Geometrijske specifikacije proizvoda (GSP) – Tekstura površine: Ploštinska – 603. dio: Nazivne karakteristike nekontaktnih instrumenata (interferometrijska mikroskopija s faznim pomakom) (ISO 25178-603:2025; EN ISO 25178-603:2025)  
Geometrical product specifications (GPS) – Surface texture: Areal – Part 603: Design and characteristics of non-contact (phase shifting interferometry) instruments (ISO 25178-603:2025; EN ISO 25178-603:2025)

HRN EN ISO 25178-604:2025 en pr  
Geometrijske specifikacije proizvoda (GSP) – Tekstura površine: Ploštinska – 604. dio: Nazivne karakteristike nekontaktnih (koherentna skenirajuća interferometrija) instrumenata (ISO 25178-604:2025; EN ISO 25178-604:2025)  
Geometrical product specifications (GPS) – Surface texture: Areal – Part 604: Design and characteristics of non-contact (coherence scanning interferometry) instruments (ISO 25178-604:2025; EN ISO 25178-604:2025)

HRN EN ISO 25178-605:2025 en pr  
Geometrijske specifikacije proizvoda (GSP) – Tekstura površine: Areal – 605. dio: Nazivne karakteristike nekontaktnih instrumenata (točkasta autofokusna sonda) (ISO 25178-605:2025; EN ISO 25178-605:2025)  
Geometrical product specifications (GPS) – Surface texture: Areal – Part 605: Design and characteristics of non-contact (point autofocus probe) instruments (ISO 25178-605:2025; EN ISO 25178-605:2025)

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

HRN EN ISO 8740:2025 en pr  
Spojni elementi – Paralelno zasjeđeni zatici sa skošenim vrhom – Dijamantni zasjeci cijelom duljinom (ISO 8740:2025; EN ISO 8740:2025)  
Fasteners – Parallel grooved pins, with chamfer point – Full-length diamond grooves (ISO 8740:2025; EN ISO 8740:2025)

HRN EN ISO 8741:2025 en pr  
Spojni elementi – Stožasti zasjeđeni zatici obrnutog nagiba – Progresivni zasjeci polovinom duljine (ISO 8741:2025; EN ISO 8741:2025)  
Fasteners – Reverse-taper grooved pins – Half-length progressive grooves (ISO 8741:2025; EN ISO 8741:2025)

HRN EN ISO 8744:2025 en pr  
Spojni elementi – Stožasti zasjeđeni zatici – Progresivni zasjeci cijelom duljinom (ISO 8744:2025; EN ISO 8744:2025)  
Fasteners – Taper grooved pins – Full-length progressive grooves (ISO 8744:2025; EN ISO 8744:2025)

HRN EN ISO 8745:2025 en pr  
Spojni elementi – Stožasti zasjeđeni zatici – Progresivni zasjeci polovinom duljine (ISO 8745:2025; EN ISO 8745:2025)  
Fasteners – Taper grooved pins – Half-length progressive grooves (ISO 8745:2025; EN ISO 8745:2025)

HRN EN ISO 8746:2025 en pr  
Spojni elementi – Zasjeđeni zatici sa zaobljenom glavom – Dijamantni zasjeci cijelom duljinom (ISO 8746:2025; EN ISO 8746:2025)  
Fasteners – Grooved pins with round head – Full-length diamond grooves (ISO 8746:2025; EN ISO 8746:2025)

HRN EN ISO 8747:2025 en pr  
Spojni elementi – Zasjeđeni zatici s upuštenom glavom – Dijamantni zasjeci cijelom duljinom (ISO 8747:2025; EN ISO 8747:2025)  
Fasteners – Grooved pins with countersunk head – Full-length diamond grooves (ISO 8747:2025; EN ISO 8747:2025)

HRN EN ISO 13672:2025 en pr  
Spojni elementi – Paralelno zasjeđeni zatici – Dijamantni zasjeci polovinom duljine (ISO 13672:2025; EN ISO 13672:2025)  
Fasteners – Parallel grooved pins – Half-length diamond grooves (ISO 13672:2025; EN ISO 13672:2025)

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

HRN EN 1991-1-1:2025 en pr  
Eurokod 1 – Djelovanja na konstrukcije – Dio 1-1: Specifične težine materijala, vlastite težine građevina i uporabna opterećenja zgrada (EN 1991-1-1:2025)  
Eurocode 1 – Actions on structures – Part 1-1: Specific weight of materials, self-weight of construction works and imposed loads for buildings (EN 1991-1-1:2025)

HRN EN 1991-1-3:2025 en pr  
Eurokod 1 – Djelovanja na konstrukcije – Dio 1-3: Opterećenja snijegom (EN 1991-1-3:2025)  
Eurocode 1 – Actions on structures – Part 1-3: Snow loads (EN 1991-1-3:2025)

HRN EN 1991-1-5:2025 en pr  
Eurokod 1 – Djelovanja na konstrukcije – Dio 1-5: Toplinska djelovanja (EN 1991-1-5:2025)  
Eurocode 1 – Actions on structures – Part 1-5: Thermal actions (EN 1991-1-5:2025)

HRN EN 1991-1-9:2025 en pr  
Eurokod 1 – Djelovanja na konstrukcije – Dio 1-9: Atmosfersko zaleđivanje (EN 1991-1-9:2025)  
Eurocode 1 – Actions on structures – Part 1-9: Atmospheric icing (EN 1991-1-9:2025)

HRN EN 1993-1-10:2025 en pr  
Eurokod 3: Projektiranje čeličnih konstrukcija – Dio 1-10: Žilavost materijala i svojstva po debljini (EN 1993-1-10:2025)  
Eurocode 3: Design of steel structures – Part 1-10: Material toughness and through-thickness properties (EN 1993-1-10:2025)

HRN EN 1993-1-4:2025 en pr  
Eurokod 3 – Projektiranje čeličnih konstrukcija – Dio 1-4: Konstrukcije od nehrđajućeg čelika (EN 1993-1-4:2025)  
Eurocode 3 – Design of steel structures – Part 1-4: Stainless steel structures (EN 1993-1-4:2025)

HRN EN 1993-1-7:2025 en pr  
Eurokod 3 – Projektiranje čeličnih konstrukcija – Dio 1-7: Limeni sklopovi s poprečno opterećenim elementima (EN 1993-1-7:2025)  
Eurocode 3 – Design of steel structures – Part 1-7: Plate assemblies with elements under transverse loads (EN 1993-1-7:2025)

HRN EN 1993-1-9:2025 en pr  
Eurokod 3: Projektiranje čeličnih konstrukcija – Dio 1-9: Zamor (EN 1993-1-9:2025)  
Eurocode 3: Design of steel structures – Part 1-9: Fatigue (EN 1993-1-9:2025)

HRN EN 1998-2:2025 en pr  
Eurokod 8 – Projektiranje potresne otpornosti konstrukcija  
– 2. dio: Mostovi (EN 1998-2:2025)  
Eurocode 8 – Design of structures for earthquake resistance  
– Part 2: Bridges (EN 1998-2:2025)

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

HRN EN 805:2025 en pr  
Opskrba vodom – Zahtjevi za sustave i dijelove izvan zgrada  
(EN 805:2025)  
Water supply – Requirements for systems and components  
outside buildings (EN 805:2025)

HRN EN 13828:2025 en pr  
Ventili u zgradama – Ručni kuglični ventili od legure bakra i  
nehrđajućeg čelika za opskrbu vodom za piće u zgradama  
– Ispitivanja i zahtjevi (EN 13828:2025)  
Building valves – Manually operated copper alloy and  
stainless steel ball valves for potable water supply in buildings  
– Tests and requirements (EN 13828:2025)

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

HRN EN ISO 10993-4:2018/A1:2025 en pr  
Biološka procjena medicinskih proizvoda – 4. dio: Odabir  
ispitivanja za interakciju s krvlju (ISO 10993-4:2017/Amd 1:2025;  
EN ISO 10993-4:2017/A1:2025)  
Biological evaluation of medical devices – Part 4: Selection of  
tests for interactions with blood (ISO 10993-4:2017/Amd 1:2025;  
EN ISO 10993-4:2017/A1:2025)

HRN EN ISO 10993-5:2010/A11:2025 en pr  
Biološka procjena medicinskih proizvoda – 5. dio: Ispitivanja  
za in vitro citotoksičnost (EN ISO 10993-5:2009/A11:2025)  
Biological evaluation of medical devices – Part 5: Tests for in  
vitro cytotoxicity (EN ISO 10993-5:2009/A11:2025)

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

HRN EN 16668:2025 en pr  
Industrijski zaporni uređaji – Zahtjevi i ispitivanje metalnih  
zapornih uređaja kao dijelova opreme pod tlakom  
(EN 16668:2025)  
Industrial valves – Requirements and testing for metallic  
valves as pressure accessories (EN 16668:2025)

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

HRN EN 1953:2025 en pr  
Oprema za nanošenje materijala za prevlačenje – Sigurnosni  
zahtjevi (EN 1953:2025)  
Application equipment for coating materials – Safety  
requirements (EN 1953:2025)

HRN EN 12621:2025 en pr  
Strojevi za dopremu i protok tekućih materijala za prevlake  
– Sigurnosni zahtjevi (EN 12621:2025)  
Machinery for supply and circulation of liquid coating  
materials – Safety requirements (EN 12621:2025)

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

HRN EN 14960-4:2025 en pr  
Oprema za igru na naphavanje – 4. dio: Dodatni sigurnosni  
zahtjevi i metode ispitivanja za trkače staze (bungee run)  
(EN 14960-4:2025)  
Inflatable play equipment – Part 4: Additional safety  
requirements and test methods for bungee runs  
(EN 14960-4:2025)

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

HRN EN 50388-2:2025 en pr  
Stabilna postrojenja i željeznička vozila za željeznički  
sustav – Tehnički kriteriji za koordinaciju između sustava  
napajanja električne vuče i željezničkih vozila radi  
postizanja interoperabilnosti – 2. dio: Stabilnost i harmonici  
(EN 50388-2:2025)  
Fixed installations and rolling stock for railway applications  
– Technical criteria for the coordination between electric  
traction power supply systems and rolling stock to  
achieve interoperability – Part 2: Stability and harmonics  
(EN 50388-2:2025)

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

HRN EN IEC 60947-2:2025 en pr  
Niskonaponska sklopna aparatura – 2. dio: Prekidači  
(IEC 60947-2:2024; EN IEC 60947-2:2025)  
Low-voltage switchgear and controlgear – Part 2: Circuit-breakers  
(IEC 60947-2:2024; EN IEC 60947-2:2025)

HRN EN IEC 62683-2-3:2025 en pr  
Niskonaponska sklopna aparatura – Strukture podataka za  
elektroničku razmjenu informacija o svojstvima proizvoda  
– Tehnički podaci – Dio 2-3: Funkcionalna sigurnost i  
pouzdanost (IEC 62683-2-3:2024; EN IEC 62683-2-3:2024)  
Low-voltage switchgear and controlgear – Product data  
and properties for information exchange – Engineering data  
– Part 2-3: Functional safety and reliability (IEC 62683-2-3:2024;  
EN IEC 62683-2-3:2024)

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

HRN EN IEC 60898-3:2025 en pr  
Električni pribor – Instalacijski prekidači za nadstrujnu  
zaštitu za kućanstvo i slične instalacije – 3. dio: Instalacijski  
prekidači za rad s istosmjernom strujom (IEC 60898-3:2019;  
EN IEC 60898-3:2025)  
Electrical accessories – Circuit-breakers for overcurrent  
protection for household and similar installations  
– Part 3: Circuit-breakers for DC operation (IEC 60898-3:2019;  
EN IEC 60898-3:2025)

HRN EN IEC 60898-3:2025/A11:2025 en pr  
Električni pribor – Instalacijski prekidači za nadstrujnu zaštitu  
za kućanstvo i slične instalacije – 3. dio: Instalacijski prekidači  
za rad s istosmjernom strujom (EN IEC 60898-3:2025/A11:2025)  
Electrical accessories – Circuit-breakers for overcurrent  
protection for household and similar installations – Part 3: Circuit-breakers  
for DC operation (EN IEC 60898-3:2025/A11:2025)

HRN EN IEC 60898-3:2025/A1:2025 en pr  
Električni pribor – Instalacijski prekidači za nadstrujnu zaštitu  
za kućanstvo i slične instalacije – 3. dio: Instalacijski prekidači  
za rad s istosmjernom strujom (IEC 60898-3:2019/am1:2022;  
EN IEC 60898-3:2025/A1:2025)  
Electrical accessories – Circuit-breakers for overcurrent  
protection for household and similar installations – Part 3:  
Circuit-breakers for DC operation (IEC 60898-3:2019/am1:2022;  
EN IEC 60898-3:2025/A1:2025)

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

HRN EN 14373:2025 en pr  
Sustavi sprečavanja eksplozije (EN 14373:2021+A1:2025)  
Explosion suppression systems (EN 14373:2021+A1:2025)

HRN EN 50059:2025 en pr  
Ručna oprema za elektrostatsko nanošenje nezapaljivih  
tekućih tvari za premazivanje – Sigurnosni zahtjevi  
(EN 50059:2025)  
Hand-held electrostatic application equipment for non-ignitable  
liquid coating materials – Safety requirements (EN 50059:2025)

HRN EN 50176:2025 en pr  
Automatska oprema za elektrostatsko nanošenje zapaljivih  
tekućih tvari za premazivanje – Sigurnosni zahtjevi  
(EN 50176:2025)  
Automatic electrostatic application systems for ignitable liquid  
coating materials – Safety requirements (EN 50176:2025)

## HZN/TO E55, *Žice za namote*

HRN EN IEC 60851-1:2021/A1:2025 en pr  
Žice za namote – Metode ispitivanja – 1. dio: Općenito (IEC 60851-1:2021/am1:2025; EN IEC 60851-1:2021/A1:2025)  
Winding wires – Test methods – Part 1: General (IEC 60851-1:2021/am1:2025; EN IEC 60851-1:2021/A1:2025)

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

HRN EN IEC 62746-4:2025 en pr  
Sučelje između sustava za upravljanje energijom potrošača i sustava distribucijskih i prijenosnih operatora sustava – Dio 4: Sučelje za upravljive potrošače i distribuirane izvore (IEC 62746-4:2024; EN IEC 62746-4:2025)  
Systems interface between customer energy management system and the power management system – Part 4: Demand Side Resource Interface (IEC 62746-4:2024; EN IEC 62746-4:2025)

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

HRN EN IEC 60601-2-16:2025 en pr  
Medicinska električna oprema – Dio 2-16: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke uređaja za hemodijalizu, hemodijafiltriranje i hemofiltriranje (IEC 60601-2-16:2025; EN IEC 60601-2-16:2025)  
Medical electrical equipment – Part 2-16: Particular requirements for the basic safety and essential performance of haemodialysis, haemodiafiltration and haemofiltration equipment (IEC 60601-2-16:2025; EN IEC 60601-2-16:2025)

HRN EN IEC 60601-2-40:2025 en pr  
Medicinska električna oprema – Dio 2-40: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke elektromiografa i uređaja za evocirane potencijale (IEC 60601-2-40:2024; EN IEC 60601-2-40:2025)  
Medical electrical equipment – Part 2-40: Particular requirements for the basic safety and essential performance of electromyographs and evoked response equipment (IEC 60601-2-40:2024; EN IEC 60601-2-40:2025)

HRN EN IEC 80601-2-71:2025 en pr  
Medicinska električna oprema – Dio 2-71: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke funkcionalne opreme za spektroskopiju u bliskom infracrvenom području (NIRS) (IEC 80601-2-71:2025; EN IEC 80601-2-71:2025)  
Medical electrical equipment – Part 2-71: Particular requirements for the basic safety and essential performance of functional near-infrared spectroscopy (NIRS) equipment (IEC 80601-2-71:2025; EN IEC 80601-2-71:2025)

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

HRN EN IEC 63584:2025 en pr  
Otvoreni komunikacijski protokol za infrastrukturu za punjenje električnih vozila (Open Charge Point Protocol, OCPP) (IEC 63584:2024; EN IEC 63584:2025)  
Open Charge Point Protocol (OCPP) (IEC 63584:2024; EN IEC 63584:2025)

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

HRN EN IEC 60688:2025 en pr  
Električni mjerni pretvarači za pretvorbu električnih veličina izmjenične i istosmjerne struje u analogne ili digitalne signale (IEC 60688:2024; EN IEC 60688:2024)  
Electrical measuring transducers for converting AC and DC electrical quantities to analogue or digital signals (IEC 60688:2024; EN IEC 60688:2024)

## HZN/TO E88, *Vjetroagregati*

HRN EN IEC 61400-3-2:2025 en pr  
Sustavi za proizvodnju energije iz vjetrova – Dio 3-2: Izvedbeni zahtjevi za pučinske plutajuće vjetroagregate (IEC 61400-3-2:2025; EN IEC 61400-3-2:2025)  
Wind energy generation systems – Part 3-2: Design requirements for floating offshore wind turbines (IEC 61400-3-2:2025; EN IEC 61400-3-2:2025)

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

HRN EN 61669:2016/A1:2025 en pr  
Elektroakustika – Mjerenje na ljudskom uhu akustičkih radnih karakteristika slušnih pomagala (IEC 61669:2015/am1:2025; EN 61669:2016/A1:2025)  
Electroacoustics – Measurement of real-ear acoustical performance characteristics of hearing aids (IEC 61669:2015/am1:2025; EN 61669:2016/A1:2025)

HRN EN IEC 62127-2:2025 en pr  
Ultrazvuk – Hidrofoni – 2. dio: Umjeravanje za ultrazvučna polja (IEC 62127-2:2025; EN IEC 62127-2:2025)  
Ultrasonics – Hydrophones – Part 2: Calibration for ultrasonic fields (IEC 62127-2:2025; EN IEC 62127-2:2025)

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

HRN EN 300 468 V1.19.1:2025 en pr  
Digitalna videodifuzija (DVB) – Specifikacije za servisne informacije (SI) u DVB sustavima (EN 300 468 V1.19.1:2025)  
Digital Video Broadcasting (DVB) – Specification for Service Information (SI) in DVB systems (EN 300 468 V1.19.1:2025)

HRN EN 302 065-3-1 V3.2.1:2025 en pr  
Uređaji kratkog dometa (SRD) koji upotrebljavaju ultraširokopojasnu tehnologiju (UWB) – Harmonizirana norma za pristup radijskom spektru – 3. dio: UWB uređaji ugrađeni u motorna i željeznička vozila – 1. poddio: Zahtjevi za UWB uređaje za sustave za pristup vozila u pojasu od 3,8 GHz do 4,2 GHz ili od 6 GHz do 8,5 GHz (EN 302 065-3-1 V3.2.1:2025)  
Short Range Devices (SRD) using Ultra Wide Band technology (UWB) – Harmonised standard for access to radio spectrum; Part 3: UWB devices installed in motor and railway vehicles – Sub-part 1: Requirements for UWB devices for vehicular access systems within 3,8 GHz to 4,2 GHz or 6 GHz to 8,5 GHz (EN 302 065-3-1 V3.2.1:2025)

HRN EN 302 065-4-1 V2.2.1:2025 en pr  
Uređaji kratkog dometa (SRD) koji upotrebljavaju ultraširokopojasnu tehnologiju (UWB) – Harmonizirana norma za pristup radijskom spektru – 4. dio: Senzori materijala – 1. poddio: Uređaji za analizu građevinskih materijala koji rade u frekvencijskim pojasevima od 30 MHz do 10,6 GHz (EN 302 065-4-1 V2.2.1:2025)  
Short Range Devices (SRD) using Ultra Wide Band technology (UWB) – Harmonised Standard for access to radio spectrum – Part 4: Material Sensing devices – Sub-part 1: Building material analysis operating within 30 MHz to 10,6 GHz (EN 302 065-4-1 V2.2.1:2025)

HRN EN 303 659 V1.1.1:2025 en pr  
Uređaji kratkog dometa (SRD) u podatkovnim mrežama – Radijska oprema za uporabu u frekvencijskom području od 865 MHz do 868 MHz i od 915 MHz do 919,4 MHz – Harmonizirana norma za pristup radijskom spektru (EN 303 659 V1.1.1:2025)  
Short Range Devices (SRD) in Data Networks – Radio equipment to be used in the frequency ranges 865 MHz to 868 MHz and 915 MHz to 919,4 MHz – Harmonised Standard for access to radio spectrum (EN 303 659 V1.1.1:2025)

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

HRN EN ISO 9038:2025 en pr  
Određivanje održavanja gorenja kapljevina (ISO 9038:2025; EN ISO 9038:2025)  
Determination of sustained combustibility of liquids (ISO 9038:2025; EN ISO 9038:2025)

HRN EN ISO 11908:2025 en pr  
Veziva za boje i lakove – Aminomole – Opće metode ispitivanja (ISO 11908:2025; EN ISO 11908:2025)  
Binders for paints and varnishes – Amino resins – General methods of test (ISO 11908:2025; EN ISO 11908:2025)

## HZN/TU I2, Strojstvo 2

- HRN EN ISO 23779:2025 en pr  
Strojevi za pjeskarenje – Zahtjevi s obzirom na sigurnost i okoliš (ISO 23779:2024; EN ISO 23779:2025)  
Shot blasting machinery – Safety and environmental requirements (ISO 23779:2024; EN ISO 23779:2025)

## HZN/TU N1, Nemetalni materijali 1

- HRN EN 1885:2025 en pr  
Perje i pahuljica – Nazivi i definicije (EN 1885:2018+A1:2025)  
Feather and down – Terms and definitions (EN 1885:2018+A1:2025)

- HRN EN 12934:2025 en pr  
Perje i pahuljica – Obilježavanje sastava obrađenoga perja i pahuljice koje se upotrebljava kao jedini materijal za ispunu (EN 12934:2025)  
Feather and down – Composition labelling of processed feathers and down for use as sole filling material (EN 12934:2025)

- HRN EN ISO 14574:2025 en pr  
Fina keramika (napredna keramika, napredna tehnička keramika) – Mehanička svojstva keramičkih kompozita pri visokoj temperaturi – Određivanje vlačnih svojstava (ISO 14574:2025; EN ISO 14574:2025)  
Fine ceramics (advanced ceramics, advanced technical ceramics) – Mechanical properties of ceramic composites at high temperature – Determination of tensile properties (ISO 14574:2025; EN ISO 14574:2025)

- HRN EN 17188:2025 en pr  
Materijali koji se dobivaju od otpadnih guma – Metoda uzorkovanja granulata i praha skladištenim u velikim vrećama („Big Bag“) i malim vrećama do 50 kg („Small Bag“) (EN 17188:2024)  
Materials obtained from End-of-Life Tyres (ELT) – Sampling method for granulates and powders stored in big-bags and small-bags (EN 17188:2024)

- HRN EN 17189:2025 en pr  
Materijali koji se dobivaju od otpadnih guma – Određivanje stvarne gustoće granulata i praha – Metoda piknometra s vodom (EN 17189:2024)  
Materials obtained from End-of-Life Tyres (ELT) – Determination of the true density of granulates and powders – Method based on water pycnometry (EN 17189:2024)

- HRN EN ISO 20505:2025 en pr  
Fina keramika (napredna keramika, napredna tehnička keramika) – Mehanička svojstva keramičkih kompozita na sobnoj temperaturi – Određivanje međuslojne smične čvrstoće i smičnog modula kompozita ojačanih kontinuiranim vlaknima sabijanjem uzoraka s dvostrukim zarezom i losipescuovim ispitivanjem (ISO 20505:2023; EN ISO 20505:2025)  
Fine ceramics (advanced ceramics, advanced technical ceramics) – Mechanical properties of ceramic composites at room temperature – Determination of the interlaminar shear strength and shear modulus of continuous-fibre-reinforced composites by the compression of double-notched test pieces and by the losipescu test (ISO 20505:2023; EN ISO 20505:2025)

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

- HRN EN 415-8:2025 en pr  
Sigurnost strojeva za pakiranje – 8. dio: Strojevi za pritezanje vrpčama (EN 415-8:2025)  
Safety of packaging machines – Part 8: Strapping machines (EN 415-8:2025)

- HRN EN 2955:2025 en pr  
Zrakoplovstvo – Recikliranje titana i otpadaka legure titana (EN 2955:2025)  
Aerospace series – Recycling of titanium and titanium alloy scrap (EN 2955:2025)

- HRN EN 3662-001:2025 en pr  
Zrakoplovstvo – Automatski osigurači, trolpolni, temperaturno kompenzirani, nazivne struje 20 A do 50 A – Dio 001: Tehnička specifikacija (EN 3662-001:2024)  
Aerospace series – Circuit breakers, three-pole, temperature compensated, rated currents 20 A to 50 A – Part 001: Technical specification (EN 3662-001:2024)

- HRN EN 4800-001:2025 en pr  
Zrakoplovstvo – Titanij i legure titanija – Dio 001: Ploče, limovi i trake – Tehnička specifikacija (EN 4800-001:2025)  
Aerospace series – Titanium and titanium alloys – Part 001: Plates, sheets and strips – Technical specification (EN 4800-001:2025)

- HRN EN 4800-002:2025 en pr  
Zrakoplovstvo – Titanij i legure titanija – Dio 002: Šipke i profili – Tehnička specifikacija (EN 4800-002:2025)  
Aerospace series – Titanium and titanium alloys – Part 002: Bars and sections – Technical specification (EN 4800-002:2025)

- HRN EN 4800-003:2025 en pr  
Zrakoplovstvo – Titanij i legure titanija – Dio 003: Cijevi – Tehnička specifikacija (EN 4800-003:2025)  
Aerospace series – Titanium and titanium alloys – Part 003: Tubes – Technical specification (EN 4800-003:2025)

- HRN EN 4800-004:2025 en pr  
Zrakoplovstvo – Titanij i legure titanija – Dio 004: Žice – Tehnička specifikacija (EN 4800-004:2025)  
Aerospace series – Titanium and titanium alloys – Part 004: Wires – Technical specification (EN 4800-004:2025)

- HRN EN 4800-005:2025 en pr  
Zrakoplovstvo – Titanij i legure titanija – Dio 005: Materijal namijenjen kovanju – Tehnička specifikacija (EN 4800-005:2025)  
Aerospace series – Titanium and titanium alloys – Part 005: Forging stock – Technical specification (EN 4800-005:2025)

- HRN EN 4800-007:2025 en pr  
Zrakoplovstvo – Titanij i legure titanija – Dio 005: Materijal namijenjen pretalijavanju – Tehnička specifikacija (EN 4800-007:2025)  
Aerospace series – Titanium and titanium alloys – Part 007: Remelting stock – Technical specification (EN 4800-007:2025)

## HZN/TU V1, Elektronika 1

- HRN EN IEC 62148-11:2025 en pr  
Aktivne svjetlovodne komponente i uređaji – Norme za kućišta i sučelja – 11. dio: 14-pinski modularni integrirani moduli laserske diode i moduli laserske diode pumpe (IEC 62148-11:2024; EN IEC 62148-11:2025)  
Fibre optic active components and devices – Package and interface standards – Part 11: 14-pin modulator integrated laser diode modules and pump laser diode modules (IEC 62148-11:2024; EN IEC 62148-11:2025)

- HRN EN IEC 62813:2025 en pr  
Litij-ionski kondenzatori za uporabu u električnoj i elektroničkoj opremi – Metode ispitivanja električnih karakteristika (IEC 62813:2025; EN IEC 62813:2025)  
Lithium ion capacitors for use in electric and electronic equipment – Test methods for electrical characteristics (IEC 62813:2025; EN IEC 62813:2025)

## HZN/TU W1, Energetska elektrotehnika 1

- HRN EN 50725:2025 en pr  
Specifikacija za prijenosnu električnu opremu namijenjenu za mjerenje podtlaka i tlaka plina uređaja i sustava za grijanje (EN 50725:2025)  
Specification for portable electrical apparatus designed to measure draught and gas pressure of heating appliances and systems (EN 50725:2025)

- HRN EN 60704-2-6:2013/A11:2025 en pr  
Kućanski i slični električni aparati – Ispitne odredbe za određivanje uzdužne buke – Dio 2-6: Posebni zahtjevi za bubnjaste sušilice rublja (EN 60704-2-6:2012/A11:2025)  
Household and similar electrical appliances – Test code for the determination of airborne acoustical noise – Part 2-6: Particular requirements for tumble dryers (EN 60704-2-6:2012/A11:2025)

- HRN EN 61121:2013/A12:2025 en pr  
Električne bubnjaste sušilice rublja za kućansku uporabu – Ispitne metode za mjerenje radnih značajka (EN 61121:2013/A12:2025)  
Tumble dryers for household use – Methods for measuring the performance (EN 61121:2013/A12:2025)



## 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 3-11 en  
Portable fire extinguishers – Part 11: Performance, requirements, test method and marking for EN 3-7 extinguishers suitable to be used on lithium-ion battery fires

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

BAS 1049:2023 hr  
Halal food – Requirements and measures  
Halal hrana – Zahtjevi i mjere

### HZN/TO 71, *Beton*

prEN 12350-13 en  
Testing fresh concrete – Part 13: Bleeding test – Static and pressure  
  
prEN 12390-20 en  
Testing hardened concrete – Part 20: Determination of porosity

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

ISO 817:2024 en  
Refrigerants – Designation and safety classification  
Radne tvari – Označavanje i klasifikacija sigurnosti

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

EN ISO 80601-2-13:2022/prA1:2025 en  
Medical electrical equipment – Part 2-13: Particular requirements for basic safety and essential performance of an anaesthetic workstation  
Medicinska električna oprema – Dio 2-13: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke anestezioloških radnih stanica

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

prEN 18165 en  
Electronic cigarettes and e-liquids – Child safety requirements and test methods  
Elektroničke cigarete i e-tekućine – Zahtjevi za sigurnost djece i metode ispitivanja

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

prEN ISO 2507 en  
Thermoplastics pipes and fittings – Vicat softening temperature: General test method and test conditions for Vinyl chloride-based (PVC-U, PVC-C, PVC-Hi) and Acryl nitrile-based (ABS, ASA) pipes and fittings (ISO/DIS 2507:2025)  
  
prEN ISO 11301-1 en  
Piping systems for rehabilitation of underground gas supply networks – Part 1: Polyethylene (PE) material (ISO/DIS 11301-1:2025)

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

prEN ISO 17805 en  
Water quality – Sampling, capture and preservation of environmental DNA from water (ISO/DIS 17805:2025)  
Kvaliteta vode – Uzorkovanje, prikupljanje i čuvanje okolišne DNA iz vode (ISO/DIS 17805:2025)

prEN 18161 en  
Water quality – Guidance standard on survey and monitoring freshwater mussel populations and their environment  
Kvaliteta vode – Savjetodavna norma za ispitivanje i praćenje populacija riječnih školjaka (red Unionida) i njihovog okoliša

### HZN/TO 159, *Ergonomija*

prEN ISO 9241-171 en  
Ergonomics of human-system interaction – Part 171: Guidance on software accessibility (ISO/DIS 9241-171:2025)  
Ergonomija interakcije čovjek-sustav – 171. dio: Upute za pristupačnost programske podrške računalnog programa (ISO/DIS 9241-171:2025)

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

prEN ISO 27913 en  
Carbon dioxide capture, transportation and geological storage – Pipeline transportation systems (ISO 27913:2024)  
Hvatanje, prijevoz i geološko skladištenje ugljikova dioksida – Sustavi prijevoza cjevovodima (ISO 27913:2024)

### HZN/TO 238, *Čvrsta biogoriva*

prEN ISO 19743 en  
Solid biofuels – Determination of content of heavy extraneous materials larger than 3,15 mm (ISO/DIS 19743:2025)  
Čvrsta biogoriva – Određivanje sadržaja teških stranih materijala većih od 3,15 mm (ISO/DIS 19743:2025)

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

prEN ISO 10280 en  
Steel and iron – Determination of titanium content – Diantipyrilmethane spectrometric method (ISO/DIS 10280:2025)  
Čelik i željezni ljev – Određivanje sadržaja titana – Spektrofotometrijska metoda pomoću diantipirilmetana (ISO/DIS 10280:2025)

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

prEN ISO 6974-4 en  
Natural gas – Determination of composition and associated uncertainty by gas chromatography – Part 4: Guidance on gas analysis (ISO/DIS 6974-4:2025)  
Prirodni plin – Određivanje sastava s određenom nesigurnošću plinskom kromatografijom – 4. dio: Smjernice za analizu plina (ISO/DIS 6974-4:2025)

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

prEN 18158 en  
Waste management – Mobile IT systems – Requirements for the XML interface Office-Mobile  
Gospodarenje otpadom – Mobilni informatički sustavi – Zahtjevi za XML sučelje između centrale

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

prEN 18159 en  
Double skin metal faced insulating sandwich panels for roofing and cladding – Environmental Product Declarations – Product category rules complementary to EN 15804 for double skin metal faced insulating sandwich panels for roofing and cladding

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

prEN 15594 en  
Railway applications – Infrastructure – Restoration of rails by electric arc welding

prEN 16730 en  
Railway applications – Track – Concrete sleepers and bearers with under sleeper pads  
Željeznički sustav – Željeznički gornji ustroj – Betonski pragovi i nosači s podloškom za pragove

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

prEN 15056 en  
Cranes – Requirements for container handling spreaders  
Granici – Zahtjevi za hvataljke za kontejnere

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

prEN ISO 14890 en  
Conveyor belts – Specification for rubber-or plastics-covered conveyor belts of textile construction for general use (ISO/DIS 14890:2025)  
Transportne trake – Specifikacije za transportne trake tekstilne konstrukcije prevučene gumom ili plastikom za opću upotrebu (ISO/DIS 14890:2025)

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

prEN ISO 844 en  
Rigid cellular plastics – Determination of compressive properties (ISO/DIS 844:2025)  
Kruta pjenasta plastika – Određivanje tlačnih svojstava (ISO/DIS 844:2025)

prEN ISO 3994 en  
Plastics hoses – Helical-thermoplastic-reinforced thermoplastics hoses for suction and discharge of aqueous materials – Specification (ISO/DIS 3994:2025)  
Plastična crijeva – Plastomerna crijeva ojačana plastomernom spiralom za usisavanje i istovar vodenih supstanci – Specifikacija (ISO/DIS 3994:2025)

prEN ISO 15015 en  
Plastics – Extruded sheets of impact-modified acrylonitrile-styrene copolymers (ABS, AEPDS and ASA) – Requirements and test methods (ISO/DIS 15015:2025)  
Plastika – Ekstrudirane folije akrilonitril-stirenskih kopolimera modificirane žilavosti (ABS, AEPDS i ASA) – Zahtjevi i metode ispitivanja (ISO/DIS 15015:2025)

## **HZN/TO 532, Dimnjaci**

DIN 18160-1:2023 de  
Abgasanlagen – Teil 1: Planung und Ausführung  
Dimnjaci – 1. dio: Projektiranje i izvedba

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

prEN ISO 21013-3 en  
Cryogenic vessels – Pressure-relief accessories for cryogenic service – Part 3: Sizing and capacity determination (ISO/DIS 21013-3:2025)  
Kriogenične posude – Tlačni rasteretni pribor za kriogenične uvjete – 3. dio: Određivanje veličine i količine (ISO/DIS 21013-3:2025)

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

prEN 13126-19 en  
Building hardware – Hardware for windows and door-height windows – Requirements and test methods – Part 19: Sliding closing devices

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

prEN ISO 1938-1 en  
Geometrical product specifications (GPS) – Dimensional measuring equipment – Part 1: Plain limit gauges of linear size (ISO/DIS 1938-1:2025)

prEN ISO 10360-102 en  
Geometrical Product Specifications (GPS) – Acceptance and reverification tests for coordinate measuring systems (CMS) – Part 102: Grammar of symbols for metrological characteristics (ISO/DIS 10360-102:2025)

prEN ISO 12179 en  
Geometrical product specifications (GPS) – Surface texture: Profile – Calibration of contact (stylus) instruments (ISO/DIS 12179:2025)  
Geometrijske specifikacije proizvoda (GSP) – Tekstura površine: Metoda snimanja profila – Umjeravanje kontaktnih uređaja (s ticalom) (ISO/DIS 12179:2025)

prEN ISO 25178-606 en  
Geometrical product specifications (GPS) – Surface texture: Areal – Part 606: Design and characteristics of non-contact (focus variation) instruments (ISO/DIS 25178-606:2025)

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

prEN 16282-1 en  
Equipment for commercial kitchens – Components for ventilation in commercial kitchens – Part 1: General requirements including calculation method  
Oprema za profesionalne kuhinje – Komponente za ventilaciju u profesionalnim kuhinjama – 1. dio: Opći zahtjevi uključujući metodu proračuna

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

prEN 18162 en  
Building Information Modelling (BIM) – Digital twins applied to the built environment – Concept and definitions

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

prEN ISO 15883-6 en  
Washer-disinfectors – Part 6: Requirements and tests for washer-disinfectors employing thermal disinfection for noncritical medical devices and health care equipment (ISO/DIS 15883-6:2025)

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

EN ISO 12312-1:2022/prA1 en  
Eye and face protection – Sunglasses and related eyewear – Part 1: Sunglasses for general use (ISO 12312-1:2022/DAMd 1:2025)  
Zaštita očiju i lica – Sunčane naočale i očna pomagala – 1. dio: Sunčane naočale za opću uporabu (ISO 12312-1:2022/DAMd 1:2025)

## **HZN/TO 558, Zaštita dišnih putova**

prEN 137 en  
Respiratory protective devices – Self-contained open-circuit compressed air breathing apparatus with full face mask – Requirements, testing, marking  
Zaštitne naprave za disanje – Samostalni uređaji za disanje s otvorenim krugom sa stlačenim zrakom – Zahtjevi, ispitivanje, označavanje

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

prEN ISO 5210 en  
Industrial valves – Multi-turn actuator attachments (ISO/DIS 5210:2025)  
Industrijski zaporni uređaji – Dodaci za višesmjerno okretni aktuator (ISO/DIS 5210:2025)

prEN ISO 5211 en  
Industrial valves – Part-turn actuator attachments  
(ISO/DIS 5211:2025)  
Industrijski ventili – Dodaci za dijelom okretni aktuator  
(ISO/DIS 5211:2025)

prEN ISO 22109 en  
Industrial valves – Gearbox for valves (ISO/DIS 22109:2025)  
Industrijski zaporni uređaji – Regulator zapornih uređaja  
(ISO/DIS 22109:2025)

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

prEN ISO 13144 en  
Textiles – Determination of quinoline, isoquinoline and certain derivatives (ISO/DIS 13144:2025)

prEN ISO 13935-2 en  
Textiles – Seam tensile properties of fabrics and made-up textile articles – Part 2: Determination of maximum force to seam rupture using the grab method (ISO/DIS 13935-2:2025)  
Tekstil – Vlačna svojstva šava na plošnim tekstilu i gotovim tekstilnim proizvodima – 2. dio: Određivanje maksimalne sile pucanja šava grab metodom (ISO/DIS 13935-2:2025)

EN ISO 20932-3:2020/prA1 en  
Textiles – Determination of the elasticity of fabrics – Part 3: Narrow fabrics (ISO 20932-3:2018/DAmD 1:2025)  
Tekstil – Određivanje elastičnosti plošnih tekstila – 3. dio: Uski plošni tekstili (ISO 20932-3:2018/DAmD 1:2025)

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

EN ISO 14246:2022/prA1 en  
Gas cylinders – Cylinder valves – Manufacturing tests and examinations (ISO 14246:2022/DAmD 1:2025)  
Plinske boce – Ventili boca – Proizvodna ispitivanja i pregledi (ISO 14246:2022/DAmD 1:2025)

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

prEN ISO 19085-10 en  
Woodworking machines – Safety – Part 10: Building site saws (contractor saws) (ISO/DIS 19085-10:2025)  
Strojevi za obradu drva – Sigurnost – 10. dio: Građevinske pile (ISO/DIS 19085-10:2025)

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

prEN ISO 20607 en  
Safety of machinery – Instruction handbook – General drafting principles (ISO/DIS 20607:2025)  
Sigurnost strojeva – Priručnik s uputama – Opća načela sastavljanja (ISO/DIS 20607:2025)

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

ISO/DIS 7889 en  
Yogurt – Enumeration of characteristic microorganisms – Colony-count technique  
Jogurt – Brojenje svojstvenih mikroorganizama – Postupak brojenja kolonija

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

prEN 18164 en  
Wellness facilities for public use – Climated rooms – Requirements

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

prEN ISO/IEC 27017 en  
Information security, cybersecurity and privacy protection – Information security controls based on ISO/IEC 27002 for cloud services (ISO/IEC DIS 27017:2025)

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

prEN IEC 60947-5-3:2025 en  
Low-voltage switchgear and controlgear – Part 5-3: Control circuit devices and switching elements – Requirements for proximity devices with defined behaviour under fault conditions (PDDDB) (IEC 60947-5-3 ED3)  
Niskonaponska sklopna aparatura – Dio 5-3: Aparati za upravljačke strujne krugove i sklopni elementi – Zahtjevi za blizinske aparate s određenim ponašanjem u uvjetima kvara (IEC 60947-5-3 ED3)

prEN IEC 60947-6-1:2025 en  
Low-voltage switchgear and controlgear – Part 6-1: Multiple function equipment – Transfer switching equipment (IEC 60947-6-1 ED4)  
Niskonaponska sklopna aparatura – Dio 6-1: Višefunkcijska oprema – Sklopna oprema za automatsko prespajanje (IEC 60947-6-1 ED4)

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

prEN IEC 61540:2025 en  
Portable residual current devices (PRCDs) without integral overcurrent protection for household and similar use (IEC 61540:2023)  
Prenosive strujne zaštitne sklopke (PRCD-i) bez združene nadstrujne zaštite za kućanstvo i sličnu primjenu (IEC 61540:2023)

prEN IEC 61540:2025/prAA:2025 en  
Portable residual current devices (PRCDs) without integral overcurrent protection for household and similar use  
Prenosive strujne zaštitne sklopke (PRCD-i) bez združene nadstrujne zaštite za kućanstvo i sličnu primjenu

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

prEN ISO 80079-38 en  
Explosive atmospheres – Part 38: Equipment and components in explosive atmospheres in underground mines (ISO/IEC DIS 80079-38:2025)  
Eksplozivne atmosfere – 38. dio: Oprema i komponente u eksplozivnim atmosferama u podzemnim rudnicima (ISO/IEC DIS 80079-38:2025)

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

prEN IEC 61850-7-410:2025 en  
Communication networks and systems for power utility automation – Part 7-410: Basic communication structure – Hydroelectric power plants – Communication for monitoring and control (IEC 61850-7-410 ED3)  
Komunikacijske mreže i sustavi za automatizaciju u elektroprivredi – Dio 7-410: Hidroelektrane – Komunikacije za nadzor i upravljanje (IEC 61850-7-410 ED3)

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

prEN IEC 80601-2-30:2025 en  
Medical electrical equipment – Part 2-30: Particular requirements for the basic safety and essential performance of automated non-invasive sphygmomanometers (IEC 80601-2-30 ED3)  
Medicinska električna oprema – Dio 2-30: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke automatiziranih neinvazivnih sfigmo-manometara (IEC 80601-2-30 ED3)

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

prHD 60364-8-81:2025 en  
Low-voltage electrical installations – Part 8-81: Functional aspects – Energy efficiency (IEC 60364-8-81 ED1)  
Niskonaponske električne instalacije – Dio 8-81: Funkcionalni aspekti – Energetska učinkovitost (IEC 60364-8-81 ED1)

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

prEN IEC 61508-1:2025 en

Functional safety of electrical/electronic/programmable electronic safety-related systems – Part 1: General requirements (IEC 61508-1 ED3)

Funkcionalna sigurnost električnih/elektroničkih/programirljivih elektroničkih sigurnosnih sustava – 1. dio: Opći zahtjevi (IEC 61508-1 ED3)

prEN IEC 61508-2:2025 en

Functional safety of electrical/electronic/programmable electronic safety-related systems – Part 2: Requirements for electrical/electronic/programmable electronic safety-related systems (IEC 61508-2 ED3)

Funkcionalna sigurnost električnih/elektroničkih/programirljivih elektroničkih sigurnosnih sustava – 2. dio: Zahtjevi za električne/elektroničke/programirljive elektroničke sigurnosne sustave (IEC 61508-2 ED3)

prEN IEC 61508-4:2025 en

Functional safety of electrical/electronic/programmable electronic safety-related systems – Part 4: Definitions and abbreviations (IEC 61508-4 ED3)

Funkcionalna sigurnost električnih/elektroničkih/programirljivih elektroničkih sigurnosnih sustava – 4. dio: Definicije i kratice (IEC 61508-4 ED3)

prEN IEC 61508-5:2025 en

Functional safety of electrical/electronic/programmable electronic safety-related systems – Part 5: Examples of methods for the determination of safety integrity levels (IEC 61508-5 ED3)

Funkcionalna sigurnost električnih/elektroničkih/programirljivih elektroničkih sigurnosnih sustava – 5. dio: Primjeri metoda za određivanje razina nepovredivosti sigurnosti (IEC 61508-5 ED3)

prEN IEC 61508-7:2025 en

Functional safety of electrical/electronic/programmable electronic safety-related systems – Part 7: Overview of techniques and measures (IEC 61508-7 ED3)

Funkcionalna sigurnost električnih/elektroničkih/programirljivih elektroničkih sigurnosnih sustava – 7. dio: Pregled tehnika i mjera (IEC 61508-7 ED3)

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

EN IEC/IEEE 62209-1528:2021/prA1:2025 en

Measurement procedure for the assessment of specific absorption rate of human exposure to radio frequency fields from hand-held and body-worn wireless communication devices – Human models, instrumentation and procedures (Frequency range of 4 MHz to 10 GHz) (IEC/IEEE 62209-1528/am1 ED1)

Mjerni postupak za procjenu gustoće apsorbirane snage tijekom izloženosti ljudi radiofrekvencijskim poljima ručnih uređaja i na tijelo postavljenih uređaja za bežičnu komunikaciju – Ljudski modeli, instrumentacija i procedure (frekvencijsko područje od 4 MHz do 10 GHz) (IEC/IEEE 62209-1528/am1 ED1)

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

Draft EN 301 192 V1.8.0:2025 en

Digital Video Broadcasting (DVB) – DVB specification for data broadcasting

Digitalna videodifuzija (DVB) – DVB specifikacija za radijski prijenos podataka

Draft EN 302 065-4-4 V2.0.0:2025 en

Short Range Devices (SRD) using Ultra Wide Band technology (UWB) – Harmonised Standard for access to radio spectrum – Part 4: Material Sensing devices – Sub-part 4: Exterior material sensing applications for ground based vehicles below 10,6 GHz

Uređaji kratkog dometa (SRD) koji upotrebljavaju ultraširokopojasnu tehnologiju (UWB) – Harmonizirana norma za pristup radijskom spektru – 4. dio: Senzori materijala – 4. poddio: Primjene vanjskih senzora materijala na zemaljskim vozilima pri frekvencijama manjim od 10,6 GHz

Draft EN 319 412-1 V1.6.0:2025 en

Electronic Signatures and Trust Infrastructures (ESI) – Certificate Profiles – Part 1: Overview and common data structures

Elektronički potpisi i vjerodostojne infrastrukture (ESI) – Profili certifikata – 1. dio: Pregled i struktura zajedničkih podataka

Draft EN 319 412-2 V2.4.0:2025 en

Electronic Signatures and Trust Infrastructures (ESI) – Certificate Profiles – Part 2: Certificate profile for certificates issued to natural persons

Elektronički potpisi i vjerodostojne infrastrukture (ESI) – Profili certifikata – 2. dio: Profil certifikata za certifikate koji se izdaju fizičkim osobama

Draft EN 319 412-4 V1.4.0:2025 en

Electronic Signatures and Trust Infrastructures (ESI) – Certificate Profiles – Part 4: Certificate profile for web site certificates (Draft EN 319 412-4 V1.4.0:2025)

Elektronički potpisi i vjerodostojne infrastrukture (ESI) – Profili certifikata – 4. dio: Profil certifikata za internetske certifikate

Draft EN 319 412-5 V2.5.0:2025 en

Electronic Signatures and Trust Infrastructures (ESI) – Certificate Profiles – Part 5: QCStatements

Elektronički potpisi i vjerodostojne infrastrukture (ESI) – Profili certifikata – 5. dio: QC izjave

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

prEN ISO/IEC 17020 en

Conformity assessment – Requirements for bodies performing inspection (ISO/IEC DIS 17020:2025)

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

prEN ISO 20770-1 en

Drilling and foundation equipment – Safety – Part 1: Common requirements (ISO/DIS 20770-1:2025)

Oprema za bušenje i izradu temelja – Sigurnost – 1. dio: Opći zahtjevi (ISO/DIS 20770-1:2025)

prEN ISO 20770-2 en

Drilling and foundation equipment – Safety – Part 2: Mobile drill rigs for civil and geotechnical engineering (ISO/DIS 20770-2:2025)

Oprema za bušenje i izradu temelja – Sigurnost – 2. dio: Pokretne bušilice za graditeljstvo i geotehničko inženjerstvo (ISO/DIS 20770-2:2025)

prEN ISO 20770-3 en

Drilling and foundation equipment – Safety – Part 3: Foundation equipment (ISO/DIS 20770-3:2025)

Oprema za bušenje i izradu temelja – Sigurnost – 3. dio: Oprema za izradu temelja (ISO/DIS 20770-3:2025)

prEN ISO 20770-4 en

Drilling and foundation equipment – Safety – Part 4: Diaphragm walling equipment (ISO/DIS 20770-4:2025)

Oprema za bušenje i izradu temelja – Sigurnost – 4. dio: Oprema za membranske zidove (ISO/DIS 20770-4:2025)

prEN ISO 20770-5 en

Drilling and foundation equipment – Safety – Part 5: Jetting, grouting and injection equipment (ISO/DIS 20770-5:2025)

Oprema za bušenje i izradu temelja – Sigurnost – 5. dio: Oprema za mlazno nanošenje i ubrizgavanje (ISO/DIS 20770-5:2025)

prEN ISO 20770-6 en

Drilling and foundation equipment – Safety – Part 6: Interchangeable auxiliary equipment (ISO/DIS 20770-6:2025)

Oprema za bušenje i izradu temelja – Sigurnost – 6. dio: Zamjenjiva pomoćna oprema (ISO/DIS 20770-6:2025)

prEN ISO 23224 en

Drilling and foundation equipment – Horizontal directional drilling (HDD) machines – Safety requirements and verification (ISO/DIS 23224:2025)

Oprema za bušenje i izradu temelja – Strojevi za horizontalno usmjereno bušenje (HDD) – Sigurnosni zahtjevi i verifikacija (ISO/DIS 23224:2025)

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

prEN ISO 14720-1 en  
Testing of ceramic materials – Determination of sulfur in non-oxidic ceramic raw materials and ceramic materials – Part 1: Infrared measurement methods (ISO/DIS 14720-1:2025)

prEN ISO 14720-2 en  
Testing of ceramic materials – Determination of sulfur in non-oxidic ceramic raw materials and ceramic materials – Part 2: Inductively coupled plasma optical emission spectrometry (ICP-OES) or ion chromatography (IC) after burning in the oxygen flow (ISO/DIS 14720-2:2025)

prEN ISO 17138 en  
Fine ceramics (advanced ceramics, advanced technical ceramics) – Mechanical properties of ceramic composites at room temperature – Determination of flexural strength (ISO/DIS 17138:2025)

prEN ISO 19630 en  
Fine ceramics (advanced ceramics, advanced technical ceramics) – Methods of test for reinforcements – Determination of tensile properties of filaments at ambient temperature (ISO/DIS 19630:2025)

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

prEN ISO 5832-2 en  
Implants for surgery – Metallic materials – Part 2: Unalloyed titanium (ISO/DIS 5832-2:2025)  
Kirurški implantati – Metalni materijali – 2. dio: Nelegirani titan (ISO/DIS 5832-2:2025)

EN ISO 7551:2023/prA1 en  
Dentistry – Endodontic absorbent points (ISO 7551:2023/DAMd 1:2025)  
Stomatologija – Papirnati šiljci za endodontsko liječenje (ISO 7551:2023/DAMd 1:2025)

prEN ISO 10650 en  
Dentistry – Powered polymerization activators (ISO/DIS 10650:2025)  
Stomatologija – Aktivatori polimerizacije (ISO/DIS 10650:2025)

prEN 18167 en  
Quality along the patient pathway in medical imaging in Radiology services

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

prEN IEC 60695-2-10:2025 en  
Fire hazard testing – Part 2-10: Glowing/hot-wire based test methods – Glow-wire apparatus and common test procedure (IEC 60695-2-10 ED4)  
Ispitivanje opasnosti od požara – Dio 2-10: Metode ispitivanja na bazi užarene/vruće žice – Uređaji s užarenom žicom i uobičajeni postupci ispitivanja (IEC 60695-2-10 ED4)

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

prEN IEC 60794-1-125:2025 en  
Optical fibre cables – Part 1-125: Generic specification – Basic optical cable test procedures – Mechanical tests methods – Ripcord functional test, method e25 (IEC 60794-1-125 ED1)

prEN IEC 60794-1-126:2025 en  
Optical fibre cables – Part 1-126: Generic specification – Basic optical cable test procedures – Mechanical tests methods – Galloping, method e26 (IEC 60794-1-126 ED1)

prEN IEC 60794-1-131:2025 en  
Optical fibre cables – Part 1-131: Generic specification – Basic optical cable test procedures – Mechanical tests methods – Microduct inner clearance test, method e31 (IEC 60794-1-131 ED1)

prEN IEC 62228-7:2025 en  
Integrated circuits – EMC evaluation of transceivers – Part 7: CXPI transceivers (IEC 62228-7 ED2)  
Integrirani krugovi – Procjena elektromagnetske kompatibilnosti (EMC) primopredajnika – 7. dio: Primopredajnici CXPI (IEC 62228-7 ED2)

EN IEC 63203-201-4:2025 en  
Wearable electronic devices and technologies – Part 201-4: Electronic textile – Test method for determining sheet resistance of conductive fabrics after abrasion (IEC 63203-201-4:2024)

prEN IEC 63402-2-2:2025 en  
Energy efficiency systems – Smart grid – Customer energy management systems – Interface between the home/building CEM and resource manager(s) – Data model and messaging (IEC 63402-2-2 ED1)

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

prEN 18154 en  
Hyperloop systems – Vocabulary and definition  
Sustavi vakuumskih vlakova (Hyperloop) – Terminološki rječnik i definicije

prEN 18166 en  
Hyperloop systems – General requirements  
Sustavi vakuumskih vlakova (Hyperloop) – Opći zahtjevi

prEN IEC 60358-1:2025 en  
Coupling capacitors and capacitor dividers – Part 1: General rules (IEC 60358-1 ED2)  
Spojni kondenzatori i kapacitivni djelitelji – 1. dio: Opća pravila (IEC 60358-1 ED2)

EN 62747:2014/prA2:2025 en  
Terminology for voltage-sourced converters (VSC) for high-voltage direct current (HVDC) systems (IEC 62747/AMD2 ED1)  
Nazivlje za pretvarače s naponskim ulazom (VSC) za visokonaponske sustave istosmjerne struje (HVDC) (IEC 62747/AMD2 ED1)

## 1.4 Povučene hrvatske norme

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

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

### HZN/TO 8, *Brodogradnja*

HRN EN 711:2016 en

Plovni objekti unutarnje plovidbe – Ograde za palube i bočne palube – Zahtjevi, tipovi (EN 711:2016)  
Inland navigation vessels – Railings for decks and side decks – Requirements, types (EN 711:2016)  
- zamijenjena s: HRN EN 711:2025

HRN EN ISO 7547:2008 en

Brodovi i pomorska tehnologija – Klimatizacija i ventilacija prostora nastambi na brodovima – Uvjeti projektiranja i osnove proračuna (ISO 7547:2002; EN ISO 7547:2004)  
Ships and marine technology – Air-conditioning and ventilation of accommodation spaces – Design conditions and basis of calculations (ISO 7547:2002; EN ISO 7547:2004)  
- bez zamjene

HRN EN ISO 7547:2008/Ispr.1:2013 en

Brodovi i pomorska tehnologija – Klimatizacija i ventilacija prostora nastambi na brodovima – Uvjeti projektiranja i osnove proračuna (ISO 7547:2002/Cor 1:2008; EN ISO 7547:2004/AC:2009)  
Ships and marine technology – Air-conditioning and ventilation of accommodation spaces – Design conditions and basis of calculations (ISO 7547:2002/Cor 1:2008; EN ISO 7547:2004/AC:2009)  
- bez zamjene

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

HRN EN 15491:2021 en

Etanol kao komponenta koja se namještava u benzin – Određivanje ukupne kiselosti – Metoda kolorimetrijske titracije (EN 15491:2021)  
Ethanol as a blending component for petrol – Determination of total acidity – Colour indicator titration method (EN 15491:2021)  
- zamijenjena s: HRN EN 15491:2025

### HZN/TO 37, *Terminologija*

HRN EN ISO 20108:2018 en

Simultano prevođenje – Kvaliteta i prijenos zvučnoga i slikovnoga unosa – Zahtjevi (ISO 20108:2017; EN ISO 20108:2017)  
Simultaneous interpreting – Quality and transmission of sound and image input – Requirements (ISO 20108:2017; EN ISO 20108:2017)  
- bez zamjene

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

HRN EN ISO 16834:2013 en

Dodatni i potrošni materijali za zavarivanje – Žičane elektrode, žice, šipke i depoziti za elektrolučno zavarivanje sa zaštitom plina za čelike visoke čvrstoće – Razredba (ISO 16834:2012; EN ISO 16834:2012)  
Welding consumables – Wire electrodes, wires, rods and deposits for gas shielded arc welding of high strength steels – Classification (ISO 16834:2012; EN ISO 16834:2012)  
- zamijenjena s: HRN EN ISO 16834:2025

HRN EN ISO 21952:2013 en

Dodatni i potrošni materijali za zavarivanje – Žičane elektrode, žice, šipke i depoziti za elektrolučno zavarivanje sa zaštitom plina za čelike otporne na puzanje – Razredba (ISO 21952:2012; EN ISO 21952:2012)  
Welding consumables – Wire electrodes, wires, rods and deposits for gas shielded arc welding of creep-resisting steels – Classification (ISO 21952:2012; EN ISO 21952:2012)  
- zamijenjena s: HRN EN ISO 21952:2025

### HZN/TO 120, *Koža i obuća*

HRN EN ISO 16187:2013 en

Obuća i dijelovi obuće – Metoda ispitivanja za procjenu antibakterijskog djelovanja (ISO 16187:2013; EN ISO 16187:2013)  
Footwear and footwear components – Test method to assess antibacterial activity (ISO 16187:2013; EN ISO 16187:2013)  
- zamijenjena s: HRN EN ISO 16187:2025

HRI CEN/TR 16417:2016 en

Obuća – Smjernice za tvari vrlo visokog značaja za industriju obuće (Dodatak XIV prema REACH-u) (CEN/TR 16417:2016)  
Footwear – Footwear industry guideline for substances of very high concern (Annex XIV of REACH) (CEN/TR 16417:2016)  
- bez zamjene

HRN EN ISO 19952:2008 en,fr

Obuća – Rječnik (ISO 19952:2005; EN ISO 19952:2005)  
Footwear – Vocabulary (ISO 19952:2005; EN ISO 19952:2005)  
- zamijenjena s: HRN EN ISO 19952:2025

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

HRN EN 705:2003 en

Plastični cijevni sustavi – Staklom ojačane duromerne (GRP) cijevi i spojnice – Metode za regresijsku analizu i njihova primjena (EN 705:1994)  
Plastics piping systems – Glass-reinforced thermosetting plastics (GRP) pipes and fittings – Methods for regression analyses and their use (EN 705:1994)  
- zamijenjena s: HRN EN ISO 10928:2025

HRN EN 705:2003/Ispr.1:2008 en

Plastični cijevni sustavi – Staklom ojačane duromerne (GRP) cijevi i spojnice – Metode za regresijsku analizu i njihova primjena (EN 705:1994/AC:1995)  
Plastics piping systems – Glass-reinforced thermosetting plastics (GRP) pipes and fittings – Methods for regression analysis and their use (EN 705:1994/AC:1995)  
- zamijenjena s: HRN EN ISO 10928:2025

HRN EN 1680:2004 en

Plastični cijevni sustavi – Ventili za cijevne sustave od polietilena (PE) – Ispitna metoda za nepropusnost vretena ventila tijekom savijanja i poslije njegovog savijanja (EN 1680:1997)  
Plastics piping systems – Valves for polyethylene (PE) piping systems – Test method for leaktightness under and after bending applied to the operating mechanisms (EN 1680:1997)  
- zamijenjena s: HRN EN 1680:2025

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

HRS CEN ISO/TS 14265:2014 en

Medicinska informatika – Klasifikacija u svrhu obrade osnovnih zdravstvenih informacija (ISO/TS 14265:2011; CEN ISO/TS 14265:2013)  
Health Informatics – Classification of purposes for processing personal health information (ISO/TS 14265:2011; CEN ISO/TS 14265:2013)  
- bez zamjene

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

HRN EN 1254-3:2021 en

Bakar i legure bakra – Vodovodne spojnice – 3. dio: Stezne spojnice za upotrebu s plastičnim i višeslojnim cijevima (EN 1254-3:2021)  
Copper and copper alloys – Plumbing fittings – Part 3: Compression fittings for use with plastics and multilayer pipes (EN 1254-3:2021)  
- zamijenjena s: HRN EN 1254-3:2025

HRN EN 1254-6:2021 en

Bakar i legure bakra – Vodovodne spojnice – 6. dio: Spojnice s krajevima za naglavljivanje za upotrebu s metalnim, plastičnim i višeslojnim cijevima (EN 1254-6:2021)  
Copper and copper alloys – Plumbing fittings – Part 6: Push-fit fittings for use with metallic tubes, plastics and multilayer pipes (EN 1254-6:2021)  
- zamijenjena s: HRN EN 1254-6:2025

HRN EN 1254-8:2021 en

Bakar i legure bakra – Vodovodne spojnice – 8. dio: Spojnice s krajevima za utiskivanje za upotrebu s plastičnim i višeslojnim cijevima (EN 1254-8:2021)  
Copper and copper alloys – Plumbing fittings – Part 8: Press fittings for use with plastics and multilayer pipes (EN 1254-8:2021)  
- zamijenjena s: HRN EN 1254-8:2025

HRN EN 1254-20:2021 en

Bakar i legure bakra – Vodovodne spojnice – 20. dio: Definicije, dimenzije navoja, metode ispitivanja, referentni podaci i popratne informacije (EN 1254-20:2021)  
Copper and copper alloys – Plumbing fittings – Part 20: Definitions, thread dimensions, test methods, reference data and supporting information (EN 1254-20:2021)  
- zamijenjena s: HRN EN 1254-20:2025

HRN EN 14361:2008 en

Aluminij i aluminijeve legure – Kemijska analiza – Uzorkovanje iz talina (EN 14361:2004)  
Aluminium and aluminium alloys – Chemical analysis – Sampling from metal melts (EN 14361:2004)  
- zamijenjena s: HRN EN 14361:2025

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

HRN EN 12496:2014 en

Galvanske anode za katodnu zaštitu u morskoj vodi i slanome mulju (EN 12496:2013)  
Galvanic anodes for cathodic protection in seawater and saline mud (EN 12496:2013)  
- zamijenjena s: HRN EN ISO 9351:2025

HRN EN ISO 28721-2:2016 en

Staklasti i porculanski emajli – Staklasto prevučeni aparati za procesna postrojenja – 2. dio: Označivanje i specifikacija otpornosti na kemijsko djelovanje i toplinski šok (ISO 28721-2:2015; EN ISO 28721-2:2015)  
Vitreous and porcelain enamels – Glass-lined apparatus for process plants – Part 2: Designation and specification of resistance to chemical attack and thermal shock (ISO 28721-2:2015; EN ISO 28721-2:2015)  
- zamijenjena s: HRN EN ISO 28721-2:2025

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

HRN EN ISO 19901-4:2016 en

Industrija nafte i prirodnoga plina – Posebni zahtjevi za odobalne konstrukcije – 4. dio: Zahtjevi i preporuke za projektiranje i izvođenje geotehničkih radova i temeljenja (ISO 19901-4:2016; EN ISO 19901-4:2016)  
Petroleum and natural gas industries – Specific requirements for offshore structures – Part 4: Geotechnical and foundation design considerations (ISO 19901-4:2016; EN ISO 19901-4:2016)  
- zamijenjena s: HRN EN ISO 19901-4:2025

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

HRN EN ISO 8611-1:2022 en

Paleta za rukovanje materijalima – Plošne palete – 1. dio: Metode ispitivanja (ISO 8611-1:2021; EN ISO 8611-1:2022)  
Pallets for materials handling – Flat pallets – Part 1: Test methods (ISO 8611-1:2021; EN ISO 8611-1:2022)  
- zamijenjena s: HRN EN ISO 8611-1:2025

HRN EN ISO 8611-2:2022 en

Paleta za rukovanje materijalima – Plošne palete – 2. dio: Izvedbeni zahtjevi i izbor načina ispitivanja (ISO 8611-2:2021; EN ISO 8611-2:2022)  
Pallets for materials handling – Flat pallets – Part 2: Performance requirements and selection of tests (ISO 8611-2:2021; EN ISO 8611-2:2022)  
- zamijenjena s: HRN EN ISO 8611-2:2025

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

HRN EN ISO 4064-1:2017 en

Vodomjeri za hladnu pitku vodu i vruću vodu – 1. dio: Mjeriteljski i tehnički zahtjevi (ISO 4064-1:2014; EN ISO 4064-1:2017)  
Water meters for cold potable water and hot water – Part 1: Metrological and technical requirements (ISO 4064-1:2014; EN ISO 4064-1:2017)  
- zamijenjena s: HRN EN ISO 4064-1:2025

HRN EN ISO 4064-1:2017/A11:2023 en

Vodomjeri za hladnu pitku vodu i vruću vodu – 1. dio: Mjeriteljski i tehnički zahtjevi (EN ISO 4064-1:2017/A11:2022)  
Water meters for cold potable water and hot water – Part 1: Metrological and technical requirements (EN ISO 4064-1:2017/A11:2022)  
- zamijenjena s: HRN EN ISO 4064-1:2025

HRN EN ISO 4064-2:2017 en

Vodomjeri za hladnu pitku vodu i vruću vodu – 2. dio: Metode ispitivanja (ISO 4064-2:2014; EN ISO 4064-2:2017)  
Water meters for cold potable water and hot water – Part 2: Test methods (ISO 4064-2:2014; EN ISO 4064-2:2017)  
- zamijenjena s: HRN EN ISO 4064-2:2025

HRN EN ISO 4064-2:2017/A11:2023 en

Vodomjeri za hladnu pitku vodu i vruću vodu – 2. dio: Metode ispitivanja (EN ISO 4064-2:2017/A11:2022)  
Water meters for cold potable water and hot water – Part 2: Test methods (EN ISO 4064-2:2017/A11:2022)  
- zamijenjena s: HRN EN ISO 4064-2:2025

HRI CEN/TR 15760:2011 en

Mjerila toplinske energije – Kontrolni popis pomoću kojeg se utvrđuje odnos između Direktive 2004/22/EC i norme EN 1434:2007 (CEN/TR 15760:2010)  
Heat meters – Checklist documenting the relationship between the Directive 2004/22/EC (MID) and EN 1434:2007 (CEN/TR 15760:2010)  
- bez zamjene

HRN EN 16836-1:2016 en

Komunikacijski sustavi za mjerila – Bežična mesh mreža za razmjenu podataka mjerenja – 1. dio: Uvod i okvir normizacije (EN 16836-1:2016)  
Communication systems for meters – Wireless mesh networking for meter data exchange – Part 1: Introduction and standardization framework (EN 16836-1:2016)  
- bez zamjene

HRN EN 16836-2:2016 en

Komunikacijski sustavi za mjerila – Bežična mesh mreža za razmjenu podataka mjerenja – 2. dio: Razina umrežavanja i specifikacija povezivanja (EN 16836-2:2016)  
Communication systems for meters – Wireless mesh networking for meter data exchange – Part 2: Networking layer and stack specification (EN 16836-2:2016)  
- bez zamjene

HRN EN 16836-3:2016 en

Komunikacijski sustavi za mjerila – Bežična mesh mreža za razmjenu podataka mjerenja – 3. dio: Specifikacija energijskog profila za dodijeljenu razinu primjene (EN 16836-3:2016)  
Communication systems for meters – Wireless mesh networking for meter data exchange – Part 3: Energy profile specification dedicated application layer (EN 16836-3:2016)  
- bez zamjene

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

HRS CEN/TS 17249-5:2023 en  
Inteligentni transportni sustavi – Elektronička sigurnost – 5. dio: Elektronički hitni poziv za UNECE kategorije L1 i L3 vozila s pogonom na dva kotača (CEN/TS 17249-5:2022)  
Intelligent transport systems – eSafety – Part 5: eCall for UNECE category L1 and L3 powered two-wheeled vehicles (CEN/TS 17249-5:2022)  
- zamijenjena s: HRN EN 17249-5:2025

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

HRN EN 12644-1:2008 en  
Granici – Informacije za uporabu i ispitivanje – 1. dio: Upute (EN 12644-1:2001+A1:2008)  
Cranes – Information for use and testing – Part 1: Instructions (EN 12644-1:2001+A1:2008)  
- bez zamjene

HRN EN 12644-2:2008 en  
Granici – Informacije za uporabu i ispitivanje – 2. dio: Obilježavanje (EN 12644-2:2000+A1:2008)  
Cranes – Information for use and testing – Part 2: Marking (EN 12644-2:2000+A1:2008)  
- bez zamjene

HRN EN 13001-3-1:2018 en  
Granici – Osnove projektiranja – Dio 3-1: Granična stanja i dokaz sigurnosti za čelične nosive konstrukcije (EN 13001-3-1:2012+A2:2018)  
Cranes – General Design – Part 3-1: Limit States and proof competence of steel structure (EN 13001-3-1:2012+A2:2018)  
- zamijenjena s: HRN EN 13001-3-1:2025

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

HRN EN 12697-35:2016 en  
Bitumenske mješavine – Metode ispitivanja – 35. dio: Laboratorijsko miješanje (EN 12697-35:2016)  
Bituminous mixtures – Test methods – Part 35: Laboratory mixing (EN 12697-35:2016)  
- zamijenjena s: HRN EN 12697-35:2025

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

HRN EN ISO 16610-21:2014 en  
Geometrijske specifikacije proizvoda (GSP) – Filtriranje – 21. dio: Filtri linearnog profila: Gauss-ovi filtri (ISO 16610-21:2011; EN ISO 16610-21:2012)  
Geometrical product specifications (GPS) – Filtration – Part 21: Linear profile filters: Gaussian filters (ISO 16610-21:2011; EN ISO 16610-21:2012)  
- zamijenjena s: HRN EN ISO 16610-21:2025

HRN EN ISO 16610-31:2016 en  
Geometrijske specifikacije proizvoda (GSP) – Filtriranje – 31. dio: Robusni profilni filtri – Gaussovi regresijski filtri (ISO 16610-31:2016; EN ISO 16610-31:2016)  
Geometrical product specifications (GPS) – Filtration – Part 31: Robust profile filters: Gaussian regression filters (ISO 16610-31:2016; EN ISO 16610-31:2016)  
- zamijenjena s: HRN EN ISO 16610-31:2025

HRN EN ISO 25178-601:2010 en  
Geometrijske specifikacije proizvoda (GSP) – Tekstura površine: Areal – 601. dio: Nazivne karakteristike kontaktnih instrumenata (s ticalom) (ISO 25178-601:2010; EN ISO 25178-601:2010)  
Geometrical product specifications (GPS) – Surface texture: Areal – Part 601: Nominal characteristics of contact (stylus) instruments (ISO 25178-601:2010; EN ISO 25178-601:2010)  
- zamijenjena s: HRN EN ISO 25178-601:2025

HRN EN ISO 25178-602:2010 en  
Geometrijske specifikacije proizvoda (GSP) – Tekstura površine: Areal – 602. dio: Nazivne karakteristike nekotaktnih instrumenata (konfokalna kromatska sonda) (ISO 25178-602:2010; EN ISO 25178-602:2010)  
Geometrical product specifications (GPS) – Surface texture: Areal – Part 602: Nominal characteristics of non-contact (confocal chromatic probe) instruments (ISO 25178-602:2010; EN ISO 25178-602:2010)  
- zamijenjena s: HRN EN ISO 25178-602:2025

HRN EN ISO 25178-603:2014 en  
Geometrijske specifikacije proizvoda (GSP) – Tekstura površine: Ploštinska – 603. dio: Nazivne karakteristike nekotaktnih instrumenata (interferometrijska mikroskopija s faznim pomakom) (ISO 25178-603:2013; EN ISO 25178-603:2013)  
Geometrical product specifications (GPS) – Surface texture: Areal – Part 603: Nominal characteristics of non-contact (phase-shifting interferometric microscopy) instruments (ISO 25178-603:2013; EN ISO 25178-603:2013)  
- zamijenjena s: HRN EN ISO 25178-603:2025

HRN EN ISO 25178-604:2014 en  
Geometrijske specifikacije proizvoda (GSP) – Tekstura površine: Ploštinska – 604. dio: Nazivne karakteristike nekotaktnih (koherentna skenirajuća interferometrija) instrumenata (ISO 25178-604:2013; EN ISO 25178-604:2013)  
Geometrical product specifications (GPS) – Surface texture: Areal – Part 604: Nominal characteristics of non-contact (coherence scanning interferometry) instruments (ISO 25178-604:2013; EN ISO 25178-604:2013)  
- zamijenjena s: HRN EN ISO 25178-604:2025

HRN EN ISO 25178-605:2014 en  
Geometrijske specifikacije proizvoda (GSP) – Tekstura površine: Areal – 605. dio: Nazivne karakteristike nekotaktnih instrumenata (točkasta autofokusna sonda) (ISO 25178-605:2014; EN ISO 25178-605:2014)  
Geometrical product specifications (GPS) – Surface texture: Areal – Part 605: Nominal characteristics of non-contact (point autofocus probe) instruments (ISO 25178-605:2014; EN ISO 25178-605:2014)  
- zamijenjena s: HRN EN ISO 25178-605:2025

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

HRN EN ISO 8740:2005 en  
Zasječeni zatici – Cijelom duljinom paralelno zasječeni, sa skošenjem (ISO 8740:1997; EN ISO 8740:1997)  
Grooved pins – Full-length parallel grooved, with chamfer (ISO 8740:1997; EN ISO 8740:1997)  
- zamijenjena s: HRN EN ISO 8740:2025

HRN EN ISO 8741:2005 en  
Zasječeni zatici – Polovinom duljine zasječeni, prema kraju suženi (ISO 8741:1997; EN ISO 8741:1997)  
Grooved pins – Half-length reverse taper grooved (ISO 8741:1997; EN ISO 8741:1997)  
- zamijenjena s: HRN EN ISO 8741:2025

HRN EN ISO 8744:2005 en  
Zasječeni zatici – Cijelom duljinom suženo zasječeni (ISO 8744:1997; EN ISO 8744:1997)  
Grooved pins – Full-length taper grooved (ISO 8744:1997; EN ISO 8744:1997)  
- zamijenjena s: HRN EN ISO 8744:2025

HRN EN ISO 8745:2005 en  
Zasječeni zatici – Polovinom duljine suženo zasječeni (ISO 8745:1997; EN ISO 8745:1997)  
Grooved pins – Half-length taper grooved (ISO 8745:1997; EN ISO 8745:1997)  
- zamijenjena s: HRN EN ISO 8745:2025

HRN EN ISO 8746:2005 en  
Zasječeni zatici sa zaobljenom glavom (ISO 8746:1997; EN ISO 8746:1997)  
Grooved pins with round head (ISO 8746:1997; EN ISO 8746:1997)  
- zamijenjena s: HRN EN ISO 8746:2025



HRN EN ISO 8747:2005 en  
Zasječeni zatici s upuštenom glavom (ISO 8747:1997;  
EN ISO 8747:1997)  
Grooved pins with countersunk head (ISO 8747:1997;  
EN ISO 8747:1997)  
- zamijenjena s: HRN EN ISO 8747:2025

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

HRN EN 13391:2008 en  
Mehanička ispitivanja sustava za naknadno napinjanje  
(EN 13391:2004)  
Mechanical tests for post-tensioning systems (EN 13391:2004)  
- bez zamjene

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

HRN EN 805:2005 en  
Opskrba vodom – Zahtjevi za sustave i dijelove izvan zgrada  
(EN 805:2000)  
Water supply – Requirements for systems and components  
outside buildings (EN 805:2000)  
- zamijenjena s: HRN EN 805:2025

HRN EN 13828:2008 en  
Ventili u zgradama – Ručni kuglični ventili od legure bakra  
i nehrđajućeg čelika za opskrbu pitkom vodom u zgradama  
– Ispitivanja i zahtjevi (EN 13828:2003)  
Building valves – Manually operated copper alloy and  
stainless steel ball valves for potable water supply in buildings  
Tests and requirements (EN 13828:2003)  
- zamijenjena s: HRN EN 13828:2025

### **HZN/TO 557, Zaštitna odjeća**

HRN EN ISO 12127-2:2008 en  
Odjeća za zaštitu od topline i plamena – Određivanje prijenosa  
topline dodira kroz zaštitnu odjeću ili sastavne materijale  
– 2. dio: Ispitna metoda s uporabom dodirne topline koja  
nastaje ispuštanjem malih cilindara (ISO 12127-2:2007;  
EN ISO 12127-2:2007)  
Clothing for protection against heat and flame – Determination  
of contact heat transmission through protective clothing or  
constituent materials – Part 2: Test method using contact heat  
produced by dropping small cylinders (ISO 12127-2:2007;  
EN ISO 12127-2:2007)  
- bez zamjene

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

HRN EN 16668:2018 en  
Industrijski zaporni uređaji – Zahtjevi i ispitivanje  
metalnih zapornih uređaja kao dijelova podvrgnutih tlaku  
(EN 16668:2016+A1:2018)  
Industrial valves – Requirements and testing for metallic  
valves as pressure accessories (EN 16668:2016+A1:2018)  
- zamijenjena s: HRN EN 16668:2025

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

HRN EN 1953:2013 en  
Oprema za raspršivanje i naštrecavanje pri prevlačenju  
materijala – Sigurnosni zahtjevi (EN 1953:2013)  
Atomising and spraying equipment for coating materials  
– Safety requirements (EN 1953:2013)  
- zamijenjena s: HRN EN 1953:2025

HRN EN 12621:2010 en  
Strojevi za dopremu i protok materijala za nanošenje pod  
tlakom – Sigurnosni zahtjevi (EN 12621:2006+A1:2010)  
Machinery for the supply and circulation of coating materials  
under pressure – Safety requirements (EN 12621:2006+A1:2010)  
- zamijenjena s: HRN EN 12621:2025

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

HRN EN 50155:2017 en  
Željeznički sustav – Željeznička vozila – Elektronička oprema  
(EN 50155:2017)  
Railway applications – Rolling stock – Electronic equipment  
(EN 50155:2017)  
- zamijenjena s: HRN EN 50155:2021

HRN EN 50215:2011 en  
Željeznički sustav – Željeznička vozila – Ispitivanje željezničkih  
vozila nakon završetka izrade i prije stavljanja u promet  
(EN 50215:2009)  
Railway applications – Rolling stock – Testing of rolling stock  
on completion of construction and before entry into service  
(EN 50215:2009)  
- zamijenjena s: HRN EN IEC 61133:2021

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

HRN EN 60947-1:2009 en  
Niskonaponska sklopna aparatura – 1. dio: Opća pravila  
(IEC 60947-1:2007; EN 60947-1:2007)  
Low-voltage switchgear and controlgear – Part 1: General  
rules (IEC 60947-1:2007; EN 60947-1:2007)  
- zamijenjena s: HRN EN IEC 60947-1:2021

HRN EN 60947-1:2009/A1:2012 en  
Niskonaponska sklopna aparatura – 1. dio: Opća pravila  
(IEC 60947-1:2007/am1:2010; EN 60947-1:2007/A1:2011)  
Low-voltage switchgear and controlgear – Part 1: General rules  
(IEC 60947-1:2007/am1:2010; EN 60947-1:2007/A1:2011)  
- zamijenjena s: HRN EN 60947-1:2021

HRN EN 60947-1:2009/A2:2015 en  
Niskonaponska sklopna aparatura – 1. dio: Opća pravila  
(IEC 60947-1:2007/A2:2014; EN 60947-1:2007/A2:2014)  
Low-voltage switchgear and controlgear – Part 1: General  
rules (IEC 60947-1:2007/A2:2014; EN 60947-1:2007/  
A2:2014)  
- zamijenjena s: HRN EN 60947-1:2021

HRN EN 60947-3:2010 en  
Niskonaponska sklopna aparatura – 3. dio: Sklopke,  
rastavljači, rastavne sklopke i kombinacije s osiguračima  
(IEC 60947-3:2008; EN 60947-3:2009)  
Low voltage switchgear and controlgear – Part 3: Switches,  
disconnectors, switch-disconnectors and fuse combination  
(IEC 60947-3:2008; EN 60947-3:2009)  
- zamijenjena s: HRN EN IEC 60947-3:2021

HRN EN 60947-3:2010/A1:2012 en  
Niskonaponska sklopna aparatura – 3. dio: Sklopke,  
rastavljači, rastavne sklopke i kombinacije s osiguračima  
(IEC 60947-3:2008/am1:2012; EN 60947-3:2009/A1:2012)  
Low-voltage switchgear and controlgear – Part 3: Switches,  
disconnectors, switch-disconnectors and fuse-combination  
units (IEC 60947-3:2008/am1:2012; EN 60947-3:2009/  
A1:2012)  
- zamijenjena s: HRN EN IEC 60947-3:2021

HRN EN 60947-3:2010/A2:2015 en  
Niskonaponska sklopna aparatura – 3. dio: Sklopke,  
rastavljači, rastavne sklopke i kombinacije s osiguračima  
(IEC 60947-3:2008/am2:2015; EN 60947-3:2009/A2:2015)  
Low-voltage switchgear and controlgear – Part 3: Switches,  
disconnectors, switch-disconnectors and fuse-combination units  
(IEC 60947-3:2008/am2:2015; EN 60947-3:2009/A2:2015)  
- zamijenjena s: HRN EN IEC 60947-3:2021

HRN EN 60947-5-8:2008 en  
Niskonaponska sklopna aparatura – Dio 5-8: Aparati za  
upravljačke strujne krugove i sklopni elementi – Tipkalo s tri  
slijedna položaja (IEC 60947-5-8:2006; EN 60947-5-8:2006)  
Low-voltage switchgear and controlgear – Part 5-8: Control  
circuit devices and switching elements – Three-position  
enabling switches (IEC 60947-5-8:2006; EN 60947-5-8:2006)  
- zamijenjena s: HRN EN IEC 60947-5-8:2021

HRN EN 61439-1:2012 en  
Niskonaponski sklopni blokovi – 1. dio: Opća pravila  
(IEC 61439-1:2011; EN 61439-1:2011)  
Low-voltage switchgear and controlgear assemblies – Part 1:  
General rules (IEC 61439-1:2011; EN 61439-1:2011)  
- zamijenjena s: HRN EN IEC 61439-1:2021

HRN EN 61439-2:2012 en

Niskonaponski sklopni blokovi – 2. dio: Blokovi za distribuciju (PSC) (IEC 61439-2:2011; EN 61439-2:2011)  
Low-voltage switchgear and controlgear assemblies – Part 2: Power switchgear and controlgear assemblies (IEC 61439-2:2011; EN 61439-2:2011)  
- zamijenjena s: HRN EN 61439-2:2021

HRN EN 62271-100:2010 en

Visokonaponska sklopna aparatura – 100. dio: Visokonaponski prekidači izmjenične struje (IEC 62271-100:2008; EN 62271-100:2009)  
High-voltage switchgear and controlgear – Part 100: High-voltage alternating-current circuit-breakers (IEC 62271-100:2008; EN 62271-100:2009)  
- zamijenjena s: HRN EN IEC 62271-100:2021

HRN EN 62271-100:2010/A1:2013 en

Visokonaponska sklopna aparatura – 100. dio: Visokonaponski prekidači izmjenične struje (IEC 62271-100:2008/am1:2012+Corr.1:2012; EN 62271-100:2009/A1:2012)  
High-voltage switchgear and controlgear – Part 100: Alternating-current circuit-breakers (IEC 62271-100:2008/am1:2012+Corr.1:2012; EN 62271-100:2009/A1:2012)  
- zamijenjena s: HRN EN IEC 62271-100:2021

HRN EN 62271-100:2010/A2:2017 en

Visokonaponska sklopna aparatura – 100. dio: Prekidači izmjenične struje (IEC 62271-100:2008/am2:2017; EN 62271-100:2009/A2:2017)  
High-voltage switchgear and controlgear – Part 100: Alternating-current circuit-breakers (IEC 62271-100:2008/am2:2017; EN 62271-100:2009/A2:2017)  
- zamijenjena s: HRN EN IEC 62271-100:2021

HRN EN 62271-100:2010/A2:2017/Ispr.1:2018 en

Visokonaponska sklopna aparatura – 100. dio: Prekidači izmjenične struje (IEC 62271-100:2008/am2:2017/Corr.1:2018; EN 62271-100:2009/A2:2017/AC:2018)  
High-voltage switchgear and controlgear – Part 100: Alternating-current circuit-breakers (IEC 62271-100:2008/am2:2017/Corr.1:2018; EN 62271-100:2009/A2:2017/AC:2018)  
- zamijenjena s: HRN EN IEC 62271-100:2021

HRN EN 62271-101:2013 en

Visokonaponska sklopna aparatura – 101. dio: Sintetska ispitivanja (IEC 62271-101:2012; EN 62271-101:2013)  
High-voltage switchgear and controlgear – Part 101: Synthetic testing (IEC 62271-101:2012; EN 62271-101:2013)  
- zamijenjena s: HRN EN IEC 62271-101:2021

HRN EN 62271-101:2013/A1:2018 en

Visokonaponska sklopna aparatura – 101. dio: Sintetska ispitivanja (IEC 62271-101:2012/am1:2017; EN 62271-101:2013/A1:2018)  
High-voltage switchgear and controlgear – Part 101: Synthetic testing (IEC 62271-101:2012/am1:2017; EN 62271-101:2013/A1:2018)  
- zamijenjena s: HRN EN IEC 62271-101:2021

HRN EN 62271-106:2012 en

Visokonaponska sklopna aparatura – 106. dio: Visokonaponski sklopnici izmjenične struje i motorski pokretači zasnovani na sklopnicima (IEC 62271-106:2011; EN 62271-106:2011)  
High-voltage switchgear and controlgear – Part 106: Alternating current contactors, contactor-based controllers and motor-starters (IEC 62271-106:2011; EN 62271-106:2011)  
- zamijenjena s: HRN EN IEC 62271-106:2021

HRN EN 62271-112:2014 en

Visokonaponska sklopna aparatura – 112. dio: Brzi zemljospojnici izmjenične struje za otklanjanje sekundarnog luka na dalekovodima (IEC 62271-112:2013; EN 62271-112:2013)  
High-voltage switchgear and controlgear – Part 112: Alternating current high-speed earthing switches for secondary arc extinction on transmission lines (IEC 62271-112:2013; EN 62271-112:2013)  
- zamijenjena s: HRN EN IEC 62271-112:2021

HRN EN 62271-200:2012 en

Visokonaponska sklopna aparatura – 200. dio: Sklopna aparatura izmjenične struje s metalnim plaštem za nazivne napone iznad 1 kV do uključujući 52 kV (IEC 62271-200:2011; EN 62271-200:2012)  
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 62271-200:2011; EN 62271-200:2012)  
- zamijenjena s: HRN EN IEC 62271-200:2021

HRN EN 62271-200:2012/Ispr.1:2015 en

Visokonaponska sklopna aparatura – 200. dio: Sklopna aparatura izmjenične struje s metalnim plaštem za nazivne napone iznad 1 kV do uključujući 52 kV (IEC 62271-200:2011/Corr.1:2015; EN 62271-200:2012/AC:2015)  
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 62271-200:2011/Corr.1:2015; EN 62271-200:2012/AC:2015)  
- zamijenjena s: HRN EN IEC 62271-200:2021

HRN EN 62271-206:2012 en

Visokonaponska sklopna aparatura – 206. dio: Visokonaponski tvornički dogotovljeni sklopni blokovi – Sustavi za indicaciju prisustva napona iznad 1kV do uključujući 52 kV (IEC 62271-206:2011; EN 62271-206:2011)  
High-voltage switchgear and controlgear – Part 206: Voltage presence indicating systems for rated voltages above 1 kV and up to and including 52 kV (IEC 62271-206:2011; EN 62271-206:2011)  
- zamijenjena s: HRN EN IEC 62271-213:2021,  
HRN EN IEC 62271-215:2021

## **HZN/TO E20, Električni kabeli**

HRN EN 50397-1:2007 en

Izolirani vodiči za nadzemne vodove i njihov pribor za nazivne napone iznad 1 kV ali ne veće od 36 kV izmjenične struje – 1. dio: Izolirani vodiči (EN 50397-1:2006)  
Covered conductors for overhead lines and the related accessories for rated voltages above 1 kV a.c. and not exceeding 36 kV a.c. – Part 1: Covered conductors (EN 50397-1:2006)  
- zamijenjena s: HRN EN 50397-1:2020

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

HRN EN 50550:2013 en

Uređaj za zaštitu od prenapona energetske frekvencije za kućanstvo i slične primjene (POP) (EN 50550:2011+AC:2012)  
Power frequency overvoltage protective device for household and similar applications (POP) (EN 50550:2011+AC:2012)  
- zamijenjena s: HRN EN IEC 63052:2021

HRN EN 50550:2013/A1:2014 en

Uređaj za zaštitu od prenapona energetske frekvencije za kućanstvo i slične primjene (POP) (EN 50550:2011/A1:2014)  
Power frequency overvoltage protective device for household and similar applications (POP) (EN 50550:2011/A1:2014)  
- zamijenjena s: HRN EN IEC 63052:2021

HRN EN 60320-1:2015 en

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

HRN EN 60320-1:2015/A1:2021 en

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

HRN EN 60320-1:2015/Ispr.1:2016 en

Aparatni utični pribor za kućanstvo i slične opće svrhe – 1. dio: Opći zahtjevi (IEC 60320-1:2015/Corr.1:2016; EN 60320-1:2015/AC:2016)  
Appliance couplers for household and similar general purposes – Part 1: General requirements (IEC 60320-1:2015/Corr.1:2016; EN 60320-1:2015/AC:2016)  
- zamijenjena s: HRN EN IEC 60320-1:2021

HRN EN 60320-1:2015/Ispr.2:2019 en

Aparatni utični pribor za kućanstvo i slične opće svrhe – 1. dio: Opći zahtjevi (IEC 60320-1:2015/Corr.2:2019; EN 60320-1:2015/AC:2019)  
Appliance couplers for household and similar general purposes – Part 1: General requirements (IEC 60320-1:2015/Corr.2:2019; EN 60320-1:2015/AC:2019)  
- zamijenjena s: HRN EN IEC 60320-1:2021

HRN EN 60320-2-1:2002 en

Aparatni utični pribor za kućanstvo i slične opće svrhe – Dio 2-1: Utični pribor za šivalice (IEC 60320-2-1:2000; EN 60320-2-1:2000)  
Appliance couplers for household and similar general purposes – Part 2-1: Sewing machine couplers (IEC 60320-2-1:2000; EN 60320-2-1:2000)  
- zamijenjena s: HRN EN IEC 60320-2-1:2021

HRN EN 60320-2-3:2002 en

Aparatni utični pribor za kućanstvo i slične opće svrhe – Dio 2-3: Aparatni utični pribor sa stupnjem zaštite višim od IPX0 (IEC 60320-2-3:1998; EN 60320-2-3:1998)  
Appliance couplers for household and similar general purposes – Part 2-3: Appliance couplers with a degree of protection higher than IPX0 (IEC 60320-2-3:1998; EN 60320-2-3:1998)  
- zamijenjena s: HRN EN IEC 60320-2-3:2021

HRN EN 60320-2-3:2002/A1:2007 en

Aparatni utični pribor za kućanstvo i slične opće svrhe – Dio 2-3: Aparatni utični pribor sa stupnjem zaštite višim od IPX0 (IEC 60320-2-3:1998/am1:2004; EN 60320-2-3:1998/A1:2005)  
Appliance couplers for household and similar general purposes – Part 2-3: Appliance couplers with a degree of protection higher than IPX0 (IEC 60320-2-3:1998/am1:2004; EN 60320-2-3:1998/A1:2005)  
- zamijenjena s: HRN EN IEC 60320-2-3:2021

HRN EN 60320-2-4:2007 en

Aparatni utični pribor za kućanstvo i slične opće svrhe – Dio 2-4: Utični pribor ovisan o težini aparata za uticanje (IEC 60320-2-4:2005; EN 60320-2-4:2006)  
Appliance couplers for household and similar general purposes – Part 2-4: Couplers dependent on appliance weight for engagement (IEC 60320-2-4:2005; EN 60320-2-4:2006)  
- zamijenjena s: HRN EN IEC 60320-2-4:2021

HRN EN 60320-2-4:2007/A1:2010 en

Aparatni utični pribor za kućanstvo i slične opće svrhe – Dio 2-4: Utični pribor ovisan o težini aparata za uticanje (IEC 60320-2-4:2005/am1:2009; EN 60320-2-4:2006/A1:2009)  
Appliance couplers for household and similar general purposes – Part 2-4: Couplers dependent on appliance weight for engagement (IEC 60320-2-4:2005/am1:2009; EN 60320-2-4:2006/A1:2009)  
- zamijenjena s: HRN EN IEC 60320-2-4:2021

HRN EN 60799:2002 en

Električni pribor – Prikjučni gipki vodovi i međupriključni gipki vodovi (IEC 60799:1998; EN 60799:1998)  
Electrical accessories – Cord sets and interconnection cord sets (IEC 60799:1998; EN 60799:1998)  
- zamijenjena s: HRN EN IEC 60799:2021

HRN EN 60898-1:2007 en

Električni pribor – Instalacijski prekidači za nadstrujnu zaštitu za kućanstvo i slične instalacije – 1. dio: Instalacijski prekidači za rad s izmjeničnom strujom (IEC 60898-1:2002, MOD+am1:2002, MOD; EN 60898-1:2003+AC:2004+A1:2004)  
Electrical accessories – Circuit breakers for overcurrent protection for household and similar installations – Part 1: Circuit-breakers for a.c. operation (IEC 60898-1:2002, MOD+am1:2002, MOD; EN 60898-1:2003+AC:2004+A1:2004)  
- zamijenjena s: HRN EN 60898-1:2019

HRN EN 60898-1:2007/A11:2007 en

Električni pribor – Instalacijski prekidači za nadstrujnu zaštitu za kućanstvo i slične instalacije – 1. dio: Instalacijski prekidači za rad s izmjeničnom strujom (EN 60898-1:2003/A11:2005)  
Electrical accessories – Circuit breakers for overcurrent protection for household and similar installations – Part 1: Circuit-breakers for a.c. operation (EN 60898-1:2003/A11:2005)  
- zamijenjena s: HRN EN 60898-1:2019

HRN EN 60898-1:2007/A12:2008 en

Električni pribor – Instalacijski prekidači za nadstrujnu zaštitu za kućanstvo i slične instalacije – 1. dio: Instalacijski prekidači za rad s izmjeničnom strujom (EN 60898-1:2003/A12:2008)  
Electrical accessories – Circuit breakers for overcurrent protection for household and similar installations – Part 1: Circuit-breakers for a.c. operation (EN 60898-1:2003/A12:2008)  
- zamijenjena s: HRN EN 60898-1:2019

HRN EN 60898-1:2007/A13:2013 en

Električni pribor – Instalacijski prekidači za nadstrujnu zaštitu za kućanstvo i slične instalacije – 1. dio: Instalacijski prekidači za rad s izmjeničnom strujom (EN 60898-1:2003/A13:2012)  
Electrical accessories – Circuit breakers for overcurrent protection for household and similar installations – Part 1: Circuit-breakers for a.c. operation (EN 60898-1:2003/A13:2012)  
- zamijenjena s: HRN EN 60898-1:2019

HRN EN 60898-1:2007/IS1:2012 en

Električni pribor – Instalacijski prekidači za nadstrujnu zaštitu za kućanstvo i slične instalacije – 1. dio: Instalacijski prekidači za rad s izmjeničnom strujom (EN 60898-1:2003/IS1:2007)  
Electrical accessories – Circuit-breakers for overcurrent protection for household and similar installations – Part 1: Circuit-breakers for a.c. operation (EN 60898-1:2003/IS1:2007)  
- zamijenjena s: HRN EN 60898-1:2019

HRN EN 60898-1:2007/IS2:2012 en

Električni pribor – Instalacijski prekidači za nadstrujnu zaštitu za kućanstvo i slične instalacije – 1. dio: Instalacijski prekidači za rad s izmjeničnom strujom (EN 60898-1:2003/IS2:2007)  
Electrical accessories – Circuit-breakers for overcurrent protection for household and similar installations – Part 1: Circuit-breakers for a.c. operation (EN 60898-1:2003/IS2:2007)  
- zamijenjena s: HRN EN 60898-1:2019

HRN EN 60898-1:2007/IS3:2012 en

Električni pribor – Instalacijski prekidači za nadstrujnu zaštitu za kućanstvo i slične instalacije – 1. dio: Instalacijski prekidači za rad s izmjeničnom strujom (EN 60898-1:2003/IS3:2007)  
Electrical accessories – Circuit-breakers for overcurrent protection for household and similar installations – Part 1: Circuit-breakers for a.c. operation (EN 60898-1:2003/IS3:2007)  
- zamijenjena s: HRN EN 60898-1:2019

HRN EN 60898-1:2007/IS4:2012 en

Električni pribor – Instalacijski prekidači za nadstrujnu zaštitu za kućanstvo i slične instalacije – 1. dio: Instalacijski prekidači za rad s izmjeničnom strujom (EN 60898-1:2003/IS4:2007)  
Electrical accessories – Circuit-breakers for overcurrent protection for household and similar installations – Part 1: Circuit-breakers for a.c. operation (EN 60898-1:2003/IS4:2007)  
- zamijenjena s: HRN EN 60898-1:2019

- HRN EN 60898-2:2007 en  
Električni pribor – Prekidači za nadstrujnu zaštitu za kućanstvo i slične instalacije – 2. dio: Prekidači za rad s izmjeničnom i istosmjernom strujom (IEC 60898-2:2000+am1:2003, MOD; EN 60898-2:2006)  
Electrical accessories – Circuit-breakers for overcurrent protection for household and similar installations – Part 2: Circuit-breakers for a.c. and d.c. operation (IEC 60898-2:2000+am1:2003, MOD; EN 60898-2:2006)  
- zamijenjena s: HRN EN 60898-2:2021
- HRN EN 61058-2-1:2011 en  
Sklopke za aparate – Dio 2-1: Posebni zahtjevi za sklopke na priključnim gipkim vodovima (IEC 61058-2-1:2010; EN 61058-2-1:2011)  
Switches for appliances – Part 2-1: Particular requirements for cord switches (IEC 61058-2-1:2010; EN 61058-2-1:2011)  
- zamijenjena s: HRN EN 61058-2-1:2021
- HRN EN 61058-2-4:2007 en  
Sklopke za aparate – Dio 2-4: Posebni zahtjevi za neovisno ugrađene sklopke (IEC 61058-2-4:1995+am1:2003; EN 61058-2-4:2005)  
Switches for appliances – Part 2-4: Particular requirements for independently mounted switches (IEC 61058-2-4:1995+am1:2003; EN 61058-2-4:2005)  
- zamijenjena s: HRN EN 61058-2-4:2021
- HRN EN 61058-2-5:2011 en  
Sklopke za aparate – Dio 2-5: Posebni zahtjevi za preklopke (IEC 61058-2-5:2010; EN 61058-2-5:2011)  
Switches for appliances – Part 2-5: Particular requirements for change-over selectors (IEC 61058-2-5:2010; EN 61058-2-5:2011)  
- zamijenjena s: HRN EN 61058-2-5:2021
- HRN EN 61316:2003 en  
Industrijske namatalice kabela (IEC 61316:1999; EN 61316:1999)  
Industrial cable reels (IEC 61316:1999; EN 61316:1999)  
- zamijenjena s: HRN EN IEC 61316:2021
- HRN EN 61386-21:2007 en  
Sustavi cijevi za vođenje kabela – 21. dio: Posebni zahtjevi – Sustavi krutih cijevi (IEC 61386-21:2002; EN 61386-21:2004+AC:2004)  
Conduit systems for cable management – Part 21: Particular requirements – Rigid conduit systems (IEC 61386-21:2002; EN 61386-21:2004+AC:2004)  
- zamijenjena s: HRN EN IEC 61386-21:2021
- HRN EN 61386-21:2007/A11:2011 en  
Sustavi cijevi za vođenje kabela – 21. dio: Posebni zahtjevi – Sustavi krutih cijevi (EN 61386-21:2004/A11:2010)  
Conduit systems for cable management – Part 21: Particular requirements – Rigid conduit systems (EN 61386-21:2004/A11:2010)  
- zamijenjena s: HRN EN IEC 61386-21:2021
- HRN EN 61386-22:2007 en  
Sustavi cijevi za vođenje kabela – 22. dio: Posebni zahtjevi – Sustavi savitljivih cijevi (IEC 61386-22:2002; EN 61386-22:2004+AC:2004)  
Conduit systems for cable management – Part 22: Particular requirements – Pliable conduit systems (IEC 61386-22:2002; EN 61386-22:2004+AC:2004)  
- zamijenjena s: HRN EN IEC 61386-22:2021
- HRN EN 61386-22:2007/A11:2011 en  
Sustavi cijevi za vođenje kabela – 22. dio: Posebni zahtjevi – Sustavi savitljivih cijevi (EN 61386-22:2004/A11:2010)  
Conduit systems for cable management – Part 22: Particular requirements – Pliable conduit systems (EN 61386-22:2004/A11:2010)  
- zamijenjena s: HRN EN IEC 61386-22:2021
- HRN EN 61386-23:2007 en  
Sustavi cijevi za vođenje kabela – 23. dio: Posebni zahtjevi – Sustavi gipkih cijevi (IEC 61386-23:2002; EN 61386-23:2004+AC:2004)  
Conduit systems for cable management – Part 23: Particular requirements – Flexible conduit systems (IEC 61386-23:2002; EN 61386-23:2004+AC:2004)  
- zamijenjena s: HRN EN IEC 61386-23:2021
- HRN EN 61386-23:2007/A11:2011 en  
Sustavi cijevi za vođenje kabela – 23. dio: Posebni zahtjevi – Sustavi gipkih cijevi (EN 61386-23:2004/A11:2010)  
Conduit systems for cable management – Part 23: Particular requirements – Flexible conduit systems (EN 61386-23:2004/A11:2010)  
- zamijenjena s: HRN EN IEC 61386-23:2021
- HRN EN 61914:2016 en  
Kabelske obujmice za električne instalacije (IEC 61914:2015; EN 61914:2016)  
Cable cleats for electrical installations (IEC 61914:2015; EN 61914:2016)  
- zamijenjena s: HRN EN IEC 61914:2021
- HRN EN 62020:2002 en  
Električni pribor – Monitori diferencijalne struje za kućanstvo i slične primjene (RCM-i) (IEC 62020:1998; EN 62020:1998)  
Electrical accessories – Residual current monitors for household and similar uses (RCMs) (IEC 62020:1998; EN 62020:1998)  
- zamijenjena s: HRN EN IEC 62020-1:2021
- HRN EN 62020:2002/A1:2007 en  
Električni pribor – Monitori diferencijalne struje za kućanstvo i slične primjene (RCM-i) (IEC 62020:1998/am1:2003, MOD; EN 62020:1998/A1:2005)  
Electrical accessories – Residual current monitors for household and similar use (RCM's) (IEC 62020:1998/am1:2003, MOD; EN 62020:1998/A1:2005)  
- zamijenjena s: HRN EN IEC 62020-1:2021
- HZN/TO E31, Eksplozivne atmosfere**
- HRN EN 14373:2021 en  
Sustavi sprečavanja eksplozije (EN 14373:2021)  
Explosion suppression systems (EN 14373:2021)  
- zamijenjena s: HRN EN 14373:2025
- HZN/TO E55, Žice za namote**
- HRN EN 60851-1:2001 en  
Žice za namote – Ispitne metode – 1. dio: Općenito (IEC 60851-1:1996; EN 60851-1:1996)  
Winding wires – Test methods – Part 1: General (IEC 60851-1:1996; EN 60851-1:1996)  
- zamijenjena s: HRN EN IEC 60851-1:2021
- HRN EN 60851-1:2001/A1:2008 en  
Žice za namote – Ispitne metode – 1. dio: Općenito (IEC 60851-1:1996/am1:2003; EN 60851-1:1996/A1:2004)  
Winding wires – Test methods – Part 1: General (IEC 60851-1:1996/am1:2003; EN 60851-1:1996/A1:2004)  
- zamijenjena s: HRN EN IEC 60851-1:2021
- HRN EN 60851-1:2001/A2:2013 en  
Žice za namote – Ispitne metode – 1. dio: Općenito (IEC 60851-1:1996/am2:2009; EN 60851-1:1996/A2:2009)  
Winding wires – Test methods – Part 1: General (IEC 60851-1:1996/am2:2009; EN 60851-1:1996/A2:2009)  
- zamijenjena s: HRN EN IEC 60851-1:2021
- HZN/TO Z1, Informacijska tehnologija**
- HRN EN 726-1:2008 en  
Sustavi identifikacijskih kartica – Telekomunikacijske kartice s integriranim krugom/vima i krajnji uređaji – 1. dio: Pregled sustava (EN 726-1:1994)  
Identification card systems – Telecommunications integrated circuit(s) cards and terminals – Part 1: Systems overview (EN 726-1:1994)  
- bez zamjene
- HRN EN 726-2:2008 en  
Sustavi identifikacijskih kartica – Telekomunikacijske kartice s integriranim krugom/vima i krajnji uređaji – 2. dio: Sigurnosni okvir (EN 726-2:1995)  
Identification card systems – Telecommunications integrated circuit(s) cards and terminals – Part 2: Security framework (EN 726-2:1995)  
- bez zamjene

HRN EN 726-7:2008 en

Sustavi identifikacijskih kartica – Telekomunikacijske kartice s integriranim krugom/vima i krajnji uređaji – 7. dio: Sigurnosna jedinica (EN 726-7:1999)  
Identification card systems – Telecommunications integrated circuit(s) cards and terminals – Part 7: Security module (EN 726-7:1999)  
- bez zamjene

HRN EN 1038:2008 en

Sustavi identifikacijskih kartica – Primjene u telekomunikacijama – Telefonska govornica s plaćanjem karticom s integriranim krugom/vima (EN 1038:1995)  
Identification card systems – Telecommunication applications – Integrated circuit(s) card payphone (EN 1038:1995)  
- bez zamjene

HRS CEN/TS 15480-3:2014 en

Sustavi identifikacijskih kartica – Europska osobna iskaznica – 3. dio: Interoperabilnost europske osobne iskaznice pomoću aplikacijskog sučelja (CEN/TS 15480-3:2014)  
Identification card systems – European Citizen Card – Part 3: European Citizen Card Interoperability using an application interface (CEN/TS 15480-3:2014)  
- bez zamjene

HRS CEN/TS 15480-4:2012 en

Sustavi identifikacijskih kartica – Europska osobna iskaznica – 4. dio: Preporuke za izdavanje, rukovanje i upotrebu europske osobne iskaznice (CEN/TS 15480-4:2012)  
Identification card systems – European Citizen Card – Part 4: Recommendations for European Citizen Card issuance, operation and use (CEN/TS 15480-4:2012)  
- bez zamjene

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

HRN ISO 510:1999 en

Crveni olovni oksid za boje (ISO 510:1977)  
Red lead for paints (ISO 510:1977)  
- bez zamjene

HRN ISO 1385-1:2001 en

Esteri ftalne kiseline za industrijsku uporabu – Metode ispitivanja – 1. dio: Općenito (ISO 1385-1:1977)  
Phthalate esters for industrial use – Methods of test – Part 1: General (ISO 1385-1:1977)  
- bez zamjene

HRN ISO 1768:2001 en

Stakleni areometri – Prihvaćena vrijednost za toplinski koeficijent volumnog rastezanja (za uporabu u pripremi mjernih tablica za tekućine) (ISO 1768:1975)  
Glass hydrometers – Conventional value for the thermal cubic expansion coefficient (for use in the preparation of measurement tables for liquids) (ISO 1768:1975)  
- bez zamjene

HRN ISO 3195:2001 en

Natrijev hidroksid za industrijsku uporabu – Uzorkovanje – Ispitni uzorak – Priprema temeljne otopine za provedbu stanovitih određivanja (ISO 3195:1975)  
Sodium hydroxide for industrial use – Sampling – Test Sample – Preparation of the main solution for carrying out certain determinations (ISO 3195:1975)  
- bez zamjene

HRN ISO 3707:1998 en

Fosforna kiselina za industrijsku uporabu (uključujući namirnice) – Određivanje količine kalcija – Metoda atomske apsorpcije plamena (ISO 3707:1976)  
Phosphoric acid for industrial use (including foodstuffs) – Determination of calcium content – Flame atomic absorption method (ISO 3707:1976)  
- bez zamjene

HRN ISO 5373:1998 en

Kondenzirani fosfati za industrijsku uporabu (uključujući namirnice) – Određivanje količine kalcija – Spektrometrijska metoda atomske apsorpcije plamena (ISO 5373:1981)  
Condensed phosphates for industrial use (including foodstuffs) – Determination of calcium content – Flame atomic absorption spectrometric method (ISO 5373:1981)  
- bez zamjene

HRN ISO 7059:2001 en

6-Heksanolaktam (kaprolaktam) za industrijsku uporabu – Određivanje apsorpcije pri valnoj duljini od 290 nm (ISO 7059:1982)  
Caprolaktam for industrial use – Determination of absorbance at wavelength of 290 nm (ISO 7059:1982)  
- bez zamjene

HRN ISO 7382:2001 en

Etilen (eten) za industrijsku uporabu – Uzorkovanje u tekućoj i plinskoj fazi (ISO 7382:1986)  
Ethylene for industrial use – Sampling in the liquid and the gaseous phase (ISO 7382:1986)  
- bez zamjene

HRN ISO 8112:2001 en

6-Heksanolaktam (kaprolaktam) za industrijsku uporabu – Određivanje boje 50 %-tne vodene otopine kaprolaktama, izražene u Hazenovim jedinicama (platino-kobaltna skala) – Spektrometrijska metoda (ISO 8112:1984)  
Caprolaktam for industrial use – Determination of colour of 50 % aqueous caprolaktam solution, expressed in Hazen units (platinum-cobalt scale) – Spectrometric method (ISO 8112:1984)  
- bez zamjene

HRN ISO 8563:2001 en

Propilen (propen) i butadien (buta-1,3-dien) za industrijsku uporabu – Uzorkovanje u tekućoj fazi (ISO 8563:1987)  
Propylene and butadiene for industrial use – Sampling in the liquid phase (ISO 8563:1987)  
- bez zamjene

HRN EN ISO 9038:2021 en

Određivanje održavanja gorenja kapljevine (ISO 9038:2021; EN ISO 9038:2021)  
Determination of sustained combustibility of liquids (ISO 9038:2021; EN ISO 9038:2021)  
- zamijenjena s: HRN EN ISO 9038:2025

HRN EN ISO 11908:1999 en

Veziva za boje i lakove – Aminosmole – Opće metode ispitivanja (ISO 11908:1996; EN ISO 11908:1998)  
Binders for paints and varnishes – Amino resins – General methods of test (ISO 11908:1996; EN ISO 11908:1998)  
- zamijenjena s: HRN EN ISO 11908:2025

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

HRN EN 1248:2009 en

Strojevi za lijevanje – Sigurnosni zahtjevi za opremu za abrazivno pjeskarenje (EN 1248:2001+A1:2009)  
Foundry machinery – Safety requirements for abrasive blasting equipment (EN 1248:2001+A1:2009)  
- zamijenjena s: HRN EN ISO 23779:2025

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

HRN EN 658-4:2008 en

Tehnička keramika – Mehanička svojstva keramičkih smjesa na sobnoj temperaturi – 4. dio: Određivanje interlaminarne čvrstoće smicanja pomoću sabijanja punjenja zarezanih ispitnih uzoraka (EN 658-4:2003)  
Advanced technical ceramics – Mechanical properties of ceramic composites at room temperature – Part 4: Determination of interlaminar shear strength by compression loading of notched test specimens (EN 658-4:2003)  
- zamijenjena s: HRN EN ISO 20505:2025

HRN EN 993-17:2008 en

Metode ispitivanja neprozirnih vatrostalnih proizvoda – 17. dio: Određivanje stvarne volumne gustoće granuliranih materijala živinom metodom u vakuumu (EN 993-17:1998)  
Methods of test for dense shaped refractory products – Part 17: Determination of bulk density of granular materials by the mercury method with vacuum (EN 993-17:1998)  
- bez zamjene

HRN EN 1885:2018 en

Perje i pahuljica – Nazivi i definicije (EN 1885:2018)  
Feather and down – Terms and definitions (EN 1885:2018)  
- zamijenjena s: HRN EN 1885:2025

HRN EN 12698-1:2008 en

Kemijska analiza nitridom vezanih silikon karbid vatrostalnih materijala – 1. dio: Kemijska metoda (EN 12698-1:2007)  
Chemical analysis of nitride bonded silicon carbide refractories – Part 1: Chemical methods (EN 12698-1:2007)  
- bez zamjene

HRN EN 12698-2:2008 en

Kemijska analiza nitridom vezanih silikon karbid vatrostalnih materijala – 2. dio: XRD metoda (EN 12698-2:2007)  
Chemical analysis of nitride bonded silicon carbide refractories – Part 2: XRD methods (EN 12698-2:2007)  
- bez zamjene

HRN EN 12934:2008 en

Perje i pahuljica – Obilježavanje sastava obrađenoga perja i pahuljice koje se upotrebljava kao jedini materijal za ispunu (EN 12934:1999)  
Feather and down – Composition labelling of processed feathers and down for use as sole filling material (EN 12934:1999)  
- zamijenjena s: HRN EN 12934:2025

HRN EN ISO 14574:2016 en

Fine ceramics (advanced ceramics, advanced technical ceramics) – Mechanical properties of ceramic composites at high temperature – Determination of tensile properties (ISO 14574:2013; EN ISO 14574:2016)  
- zamijenjena s: HRN EN ISO 14574:2025

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

HRN EN ISO 21536:2011/A1:2014 en

Neaktivni kirurški implantati – Implantati za zamjenu zgloba – Posebni zahtjevi za implantate za zamjenu zgloba koljena – Amandman 1 (ISO 21536:2007/Amd 1:2014; EN ISO 21536:2009/A1:2014)  
Non-active surgical implants – Joint replacement implants – Specific requirements for knee-joint replacement implants – Amendment 1 (ISO 21536:2007/Amd 1:2014; EN ISO 21536:2009/A1:2014)  
- zamijenjena s: HRN EN ISO 21536:2024

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

HRN EN 415-8:2008 en

Sigurnost strojeva za pakiranje – 8. dio: Strojevi za pritezanje vrpčama (EN 415-8:2008)  
Safety of packaging machines – Part 8: Strapping machines (EN 415-8:2008)  
- zamijenjena s: HRN EN 415-8:2025

HRN EN 2955:2008 en

Nizovi o zrakoplovstvu – Recikliranje titana i otpadaka legure titana (EN 2955:1993+AC:1995)  
Aerospace series – Recycling of titanium and titanium alloy scrap (EN 2955:1993+AC:1995)  
- zamijenjena s: HRN EN 2955:2025

HRN EN 3662-001:2008 en

Nizovi o zrakoplovstvu – Automatski osigurači, trolpolni, temperaturno kompenzirani, nazivne struje 20 A do 50 A – 001. dio: Tehnička specifikacija (EN 3662-001:2006)  
Aerospace series – Circuit breakers, three-pole, temperature compensated, rated current 20 A to 50 A – Part 001: Technical specification (EN 3662-001:2006)  
- zamijenjena s: HRN EN 3662-001:2025

HRN EN 4800-001:2011 en

Nizovi o zrakoplovstvu – Titan i legure titana – Tehnička specifikacija – 001. dio: Ploča, Lim i traka (EN 4800-001:2010)  
Aerospace series – Titanium and titanium alloys – Technical specification – Part 001: Plate, sheet and strip (EN 4800-001:2010)  
- zamijenjena s: HRN EN 4800-001:2025

HRN EN 4800-002:2011 en

Nizovi o zrakoplovstvu – Titan i legure titana – Tehnička specifikacija – 002. dio: Šipke i profili (EN 4800-002:2010)  
Aerospace series – Titanium and titanium alloys – Technical specification – Part 002: Bar and section (EN 4800-002:2010)  
- zamijenjena s: HRN EN 4800-002:2025

HRN EN 4800-003:2011 en

Nizovi o zrakoplovstvu – Titan i legure titana – Tehnička specifikacija – 003. dio: Cijev (EN 4800-003:2010)  
Aerospace series – Titanium and titanium alloys – Technical specification – Part 003: Tube (EN 4800-003:2010)  
- zamijenjena s: HRN EN 4800-003:2025

HRN EN 4800-004:2011 en

Nizovi o zrakoplovstvu – Titan i legure titana – Tehnička specifikacija – 004. dio: Žica (EN 4800-004:2010)  
Aerospace series – Titanium and titanium alloys – Technical specification – Part 004: Wire (EN 4800-004:2010)  
- zamijenjena s: HRN EN 4800-004:2025

HRN EN 4800-005:2011 en

Nizovi o zrakoplovstvu – Titan i legure titana – Tehnička specifikacija – 005. dio: Materijal namijenjen kovanju (EN 4800-005:2010)  
Aerospace series – Titanium and titanium alloys – Technical specification – Part 005: Forging stock (EN 4800-005:2010)  
- zamijenjena s: HRN EN 4800-005:2025

HRN EN 4800-007:2011 en

Nizovi o zrakoplovstvu – Titan i legure titana – Tehnička specifikacija – 007. dio: Materijal za pretaljivanje (EN 4800-007:2010)  
Aerospace series – Titanium and titanium alloys – Technical specification – Part 007: Remelting stock (EN 4800-007:2010)  
- zamijenjena s: HRN EN 4800-007:2025

## 1.6 Ispravci hrvatskih norma

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

### HZN/ TO 557, *Zaštitna odjeća*

- **umjesto**

HRN EN 17487:2025

Zaštitna odjeća – **Odjeća s predmetima tretiranim** permetrinom koji **podržavaju zaštitu** od ugriza krpelja (EN 17487:2024)

Protective clothing – Garments with permethrin as-treated articles supporting the protection against tick bites (EN 17487:2024)

- **treba biti**

HRN EN 17487:2025

Zaštitna odjeća – **Odjevni predmeti tretirani** permetrinom koji **štite** od ugriza krpelja (EN 17487:2024)

Protective clothing – Garments with permethrin as-treated articles supporting the protection against tick bites (EN 17487:2024)

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

- **umjesto**

HRN ISO 13875:2010

Mlijeko – Određivanje udjela u kiselini topljiva beta laktoglobulina – **PCL** metoda reverznih faza (ISO 13875:2005)  
Liquid milk – Determination of acid-soluble beta-lactoglobulin content – Reverse-phase HPLC method (ISO 13875:2005)

- **treba biti**

HRN ISO 13875:2010

Mlijeko – Određivanje udjela u kiselini topljiva beta laktoglobulina – **HPLC** metoda reverznih faza (ISO 13875:2005)

Liquid milk – Determination of acid-soluble beta-lactoglobulin content – Reverse-phase HPLC method (ISO 13875:2005)

### HZN/ TO 569, *Hrana za životinje*

U HZN e-Glasilu 10/2024, rubrika 1.4 Povučene hrvatske norme, pogrešno je povučena hrvatska specifikacija HRS CEN/TS 17174:2020 te je ona još uvijek na snazi.

## 1.7 Naslovi objavljenih hrvatskih norma na hrvatskome jeziku

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

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

HRN EN 1062-3:2008 en pr

Boje i lakovi – Prekrivni materijali i prekrivni sustavi za vanjske zidove i beton – 3. dio: Određivanje propusnosti za vodu u tekućem stanju (EN 1062-3:2008)

Paints and varnishes – Coating materials and coating systems for exterior masonry and concrete – Part 3: Determination of liquid water permeability (EN 1062-3:2008)

HRN EN 15154-3:2009 en pr

Sigurnosni tuševi u slučaju opasnosti – 3. dio: Tuševi za tijelo bez priključka na vodovod (EN 15154-3:2009)

Emergency safety showers – Part 3: Non plumbed-in body showers (EN 15154-3:2009)

HRN EN 15154-4:2009 en pr

Sigurnosni tuševi u slučaju opasnosti – 4. dio: Stanice za ispiranje očiju bez priključka na vodovod (EN 15154-4:2009)

Emergency safety showers – Part 4: Non plumbed-in eyewash units (EN 15154-4:2009)

HRN EN ISO 24998:2009 en pr

Plastično laboratorijsko posuđe – Jednokratne Petrijeve zdjelice za mikrobiološke postupke (ISO 24998:2008; EN ISO 24998:2008)

Plastics laboratory ware – Single-use Petri dishes for microbiological procedures (ISO 24998:2008; EN ISO 24998:2008)

## 1.10 Prijevodi hrvatskih normativnih dokumenata

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

Sljedeći hrvatski normativni dokument objavljen na engleskome jeziku sada je dostupan i na hrvatskome i engleskome jeziku, kao dvojezično izdanje:

HRN EN ISO 9001:2015/A1:2024 hr, en-en pr-pp  
Sustavi upravljanja kvalitetom – Zahtjevi – Amandman 1:  
Aktivnosti koje se odnose na klimatske promjene  
(ISO 9001:2015/Amd 1:2024; EN ISO 9001:2015/A1:2024)  
Quality management systems – Requirements – Amendment 1:  
Climate action changes (ISO 9001:2015/Amd 1:2024;  
EN ISO 9001:2015/A1:2024)

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

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

HRN EN 1127-1:2019 hr-en pr-pp  
Eksplzivne atmosfere – Sprječavanje i zaštita od eksplozije  
– 1. dio: Osnovna načela i metodologija (EN 1127-1:2019)  
Explosive atmospheres – Explosion prevention and protection  
– Part 1: Basic concepts and methodology (EN 1127-1:2019)

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

Sljedeći hrvatski normativni dokumenti objavljeni na engleskome jeziku sada su dostupni i na hrvatskome jeziku:

HRN EN 60825-4:2008 hr-en pr-pp  
Sigurnost laserskih proizvoda – 4. dio: Zaštita od lasera  
(IEC 60825-4:2006; EN 60825-4:2006)  
Safety of laser products – Part 4: Laser guards  
(IEC 60825-4:2006; EN 60825-4:2006)

HRN EN 60825-4:2008/A1:2010 hr-en pr-pp  
Sigurnost laserskih proizvoda – 4. dio: Zaštita od lasera  
(IEC 60825-4:2006/am1:2008; EN 60825-4:2006/A1:2008)  
Safety of laser products – Part 4: Laser guards  
(IEC 60825-4:2006/am1:2008; EN 60825-4:2006/A1:2008)

HRN EN 60825-4:2008/A2:2011 hr-en pr-pp  
Sigurnost laserskih proizvoda – 4. dio: Zaštita od lasera  
(IEC 60825-4:2006/am2:2011; EN 60825-4:2006/A2:2011)  
Safety of laser products – Part 4: Laser guards  
(IEC 60825-4:2006/am2:2011; EN 60825-4:2006/A2:2011)



## 2 Rezultati međunarodne i europske normizacije

### Europska normizacija (CEN)

Oznaka norme	Naslov norme	ICS	Datum objave
EN 118	Wood preservatives – Determination of preventive action against Reticulitermes species (European termites) (Laboratory method)	71.100.50	siječanj 2025.
EN 683-2/AC	Aluminium and aluminium alloys – Finstock – Part 2: Mechanical properties	77.120.10	siječanj 2025.
CEN/TR 1591-6	Flanges and their joints – Design rules for gasketed circular flange connections – Part 6: Background information	23.040.60	siječanj 2025.
EN 12312-5+A1	Aircraft ground support equipment – Specific requirements – Part 5: Aircraft fuelling equipment	49.100	siječanj 2025.
EN 13084-1	Free-standing chimneys – Part 1: General requirements	91.060.40	siječanj 2025.
EN 13795-1	Surgical clothing and drapes – Requirements and test methods – Part 1: Surgical drapes and gowns	11.140	siječanj 2025.
EN 13795-2	Surgical clothing and drapes – Requirements and test methods – Part 2: Clean air suits	11.140	siječanj 2025.
EN 14501+A1	Blinds and shutters – Thermal and visual comfort – Performance characteristics and classification	91.060.50	siječanj 2025.
EN 14538	Fat and oil derivatives – Fatty acid methyl ester (FAME) – Determination of Ca, Mg, Na, K and P content by optical emission spectral analysis with inductively coupled plasma (ICP OES)	67.200.10	siječanj 2025.
EN 14683	Medical face masks – Requirements and test methods	11.140	siječanj 2025.
EN 16631	LPG equipment and accessories – Pressure relief valves for LPG pressure vessels – Reconditioning requirements	23.060.40	siječanj 2025.
EN 17149-3	Railway applications – Strength assessment of rail vehicle structures – Part 3: Fatigue strength assessment based on cumulative damage	45.060.01	siječanj 2025.
CWA 17815	Materials characterization – Terminology and structured documentation	01.040.07; 07.120; 17.020	siječanj 2025.
EN 17997	Railway applications – Braking – Definition of ETCS brake curve parameters for Gamma trains	45.060.01	siječanj 2025.
CWA 18174	Plastics – Recycled plastics – Characterization of polyvinyl butyral (PVB) recyclates	13.030.50; 83.080.20	siječanj 2025.
CWA 18175	Road maintenance operations guided by XR technologies combined with a robotic modular platform	25.040.30; 35.240.99; 93.080.10	siječanj 2025.
CWA 18176	Decision Support System for highway maintenance planning	03.220.20; 93.080.10	siječanj 2025.
EN ISO 3506-3	Fasteners – Mechanical properties of corrosion resistant stainless steel fasteners – Part 3: Set screws (and similar fasteners not under tensile stress) with specified grades and hardness classes (ISO 3506-3:2025)	21.060.10	siječanj 2025.
EN ISO 3506-4	Fasteners – Mechanical properties of corrosion-resistant stainless steel fasteners – Part 4: Tapping screws with specified grades and hardness classes (ISO 3506-4:2025)	21.060.10	siječanj 2025.
EN ISO 3961	Animal and vegetable fats and oils – Determination of iodine value (ISO 3961:2024)	67.200.10	siječanj 2025.
EN ISO 4064-3	Water meters for cold potable water and hot water – Part 3: Test report format (ISO 4064-3:2024)	91.140.60	siječanj 2025.
EN ISO 4064-4	Water meters for cold potable water and hot water – Part 4: Non-metrological requirements not covered in ISO 4064-1 (ISO 4064-4:2024)	91.140.60	siječanj 2025.
EN ISO 5530-1	Wheat flour – Physical characteristics of doughs – Part 1: Determination of water absorption and rheological properties using a farinograph (ISO 5530-1:2025)	67.060	siječanj 2025.
EN ISO 5530-2	Wheat flour – Physical characteristics of doughs – Part 2: Determination of rheological properties using an extensograph (ISO 5530-2:2025)	67.060	siječanj 2025.
EN ISO 5801/A1	Fans – Performance testing using standardized airways – Amendment 1 (ISO 5801:2017/Amd 1:2025)	23.120	siječanj 2025.

Oznaka norme	Naslov norme	ICS	Datum objave
EN ISO 7711-1/A1	Dentistry – Diamond rotary instruments – Part 1: General requirements – Amendment 1 (ISO 7711-1:2021/Amd 1:2025)	11.060.20	siječanj 2025.
EN ISO 7866/A2	Gas cylinders – Refillable seamless aluminium alloy gas cylinders – Design, construction and testing – Amendment 2 (ISO 7866:2012/Amd 2:2024)	23.020.35	siječanj 2025.
EN ISO 8044	Corrosion of metals and alloys – Vocabulary (ISO 8044:2024)	01.040.77; 77.060	siječanj 2025.
EN ISO 10077-2/A1	Thermal performance of windows, doors and shutters – Calculation of thermal transmittance – Part 2: Numerical method for frames – Amendment 1 (ISO 10077-2:2017/Amd 1:2024)	91.060.50; 91.120.10	siječanj 2025.
EN ISO 11118	Gas cylinders – Non-refillable metallic gas cylinders – Specification and test methods (ISO 11118:2025)	23.020.35	siječanj 2025.
EN ISO 14343	Welding consumables – Wire electrodes, strip electrodes, wires and rods for arc welding of stainless and heat resisting steels – Classification (ISO 14343:2025)	25.160.20	siječanj 2025.
EN ISO 14544	Fine ceramics (advanced ceramics, advanced technical ceramics) – Mechanical properties of ceramic composites at high temperature – Determination of compressive properties (ISO 14544:2025)	81.060.30	siječanj 2025.
EN ISO 14574	Fine ceramics (advanced ceramics, advanced technical ceramics) – Mechanical properties of ceramic composites at high temperature – Determination of tensile properties (ISO 14574:2025)	81.060.30	siječanj 2025.
EN ISO 14903	Refrigerating systems and heat pumps – Qualification of tightness of components and joints (ISO 14903:2025)	27.080; 27.200	siječanj 2025.
EN ISO 15708-2	Non-destructive testing – Radiation methods for computed tomography – Part 2: Principles, equipment and samples (ISO 15708-2:2025)	19.100	siječanj 2025.
EN ISO 16486-3	Plastics piping systems for the supply of gaseous fuels – Unplasticized polyamide (PA-U) piping systems with fusion jointing and mechanical jointing – Part 3: Fittings (ISO 16486-3:2025)	75.200; 83.140.30	siječanj 2025.
EN ISO 16823	Non-destructive testing – Ultrasonic testing – Through-transmission technique (ISO 16823:2025)	19.100	siječanj 2025.
EN ISO 17715	Flour from wheat ( <i>Triticum aestivum</i> L.) – Amperometric method for starch damage measurement (ISO 17715:2025)	67.060	siječanj 2025.
EN ISO 18363-2	Animal and vegetable fats 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 18363-2:2025)	67.200.10	siječanj 2025.
EN ISO 19168-1	Geographic information – Geospatial API for features – Part 1: Core (ISO 19168-1:2025)	35.240.70	siječanj 2025.
EN ISO 19650-6	Organization and digitization of information about buildings and civil engineering works, including building information modelling (BIM) – Information management using building information modelling – Part 6: Health and safety information (ISO 19650-6:2025)	35.240.67; 91.010.01; 93.010	siječanj 2025.
EN ISO 20537	Footwear – Identification of defects during visual inspection – Vocabulary (ISO 20537:2025)	01.040.61; 61.060	siječanj 2025.
EN ISO 20553	Radiation protection – Monitoring of workers occupationally exposed to a risk of internal contamination with radioactive material (ISO 20553:2025)	13.280	siječanj 2025.
EN ISO 22163/A1	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)	03.100.70; 45.020	siječanj 2025.
EN ISO 22765	Nuclear fuel technology – Sintered (U, Pu)O <sub>2</sub> pellets – Guidance for ceramographic preparation for microstructure examination (ISO 22765:2025)	27.120.30	siječanj 2025.

Oznaka norme	Naslov norme	ICS	Datum objave
EN ISO 22854	Liquid petroleum products – Determination of hydrocarbon types and oxygenates in automotive-motor gasoline and in ethanol (E85) automotive fuel – Multidimensional gas chromatography method (ISO 22854:2025)	75.080	siječanj 2025.
EN ISO 23675	Cosmetics – Sun protection test methods – In vitro determination of sun protection factor (SPF) (ISO 23675:2024)	71.100.70	siječanj 2025.
EN ISO 23698	Cosmetics – Measurement of the sunscreen efficacy by diffuse reflectance spectroscopy (ISO 23698:2024)	71.100.70	siječanj 2025.
CEN ISO/ASTM/TS 52949	Additive manufacturing of metals – Qualification principles – Installation, operation and performance (IQ/OQ/PQ) of PBF-EB equipment (ISO/ASTM TS 52949:2025)	25.030	siječanj 2025.
EN ISO 56000	Innovation management – Fundamentals and vocabulary (ISO 56000:2025)	01.040.03; 03.100.01; 03.100.40	siječanj 2025.

## Europska normizacija (CENELEC)

Oznaka norme	Naslov norme	ICS	Datum objave
EN 50160/A1	Voltage characteristics of electricity supplied by public electricity networks	29.020	siječanj 2025.
EN IEC 60601-2-39	Medical electrical equipment – Part 2-39: Particular requirements for the basic safety and essential performance of peritoneal dialysis equipment (IEC 60601-2-39:2024)	11.040.60; 11.040.99	siječanj 2025.
EN IEC 60793-1-40	Optical fibres – Part 1-40: Attenuation measurement methods (IEC 60793-1-40:2024)	33.180.10	siječanj 2025.
EN IEC 60794-2-20	Optical fibre cables – Part 2-20: Indoor cables – Family specification for multi-fibre optical cables (IEC 60794-2-20:2024)	33.180.01; 33.180.10	siječanj 2025.
EN IEC 61000-4-41	Electromagnetic compatibility (EMC) – Part 4-41: Testing and measurement techniques – Broadband radiated immunity tests (IEC 61000-4-41:2024)	33.100.20	siječanj 2025.
EN IEC 61076-2-101	Connectors for electrical and electronic equipment – Product requirements – Part 2-101: Circular connectors – Detail specification for M12 connectors with screw-locking (IEC 61076-2-101:2024)	31.220.10	siječanj 2025.
EN IEC 61188-6-3	Circuit boards and circuit board assemblies – Design and use – Part 6-3: Land pattern design – Description of land pattern for through hole components (THT) (IEC 61188-6-3:2024)	31.180; 31.190	siječanj 2025.
EN IEC 61189-2-809	Test methods for electrical materials, circuit boards and other interconnection structures and assemblies – Part 2-809: X/Y coefficient of thermal expansion (CTE) test for thick base materials by TMA (IEC 61189-2-809:2024)	31.180	siječanj 2025.
EN 61850-6/A2	Communication networks and systems for power utility automation – Part 6: Configuration description language for communication in power utility automation systems related to IEDs (IEC 61850-6:2009/AMD2:2024)	33.040.40; 33.200	siječanj 2025.
EN 62148-2/A1	Fibre optic active components and devices – Package and interface standards – Part 2: SFF 10-pin transceivers (IEC 62148-2:2010/AMD1:2024)	33.180.01; 33.180.30	siječanj 2025.
EN IEC 62309	Dependability of new products containing reused parts and life-extended products (IEC 62309:2024)	03.120.30; 21.020; 29.020; 31.020	siječanj 2025.
EN IEC 62386-105	Digital addressable lighting interface – Part 105: Particular requirements for control gear and control devices – Firmware transfer (IEC 62386-105:2024)	29.140.30; 29.140.50; 29.140.99; 35.240.99	siječanj 2025.
EN IEC 62680-1-2	Universal serial bus interfaces for data and power – Part 1-2: Common components – USB Power Delivery specification (IEC 62680-1-2:2024)	29.220.01; 33.120.01; 35.200	siječanj 2025.
EN IEC 62680-1-3	Universal serial bus interfaces for data and power – Part 1-3: Common components – USB Type-C(r) cable and connector specification (IEC 62680-1-3:2024)	33.120.20; 33.120.30; 35.200	siječanj 2025.
EN IEC 63169/A1	Electrical household and similar cooling and freezing appliances – Food preservation (IEC 63169:2020/AMD1:2024)	67.040; 97.040.30	siječanj 2025.
EN IEC 63206	Industrial-process control systems – Recorders – Testing and performance evaluation (IEC 63206:2024)	25.040.40; 25.040.99	siječanj 2025.
EN IEC 63522-13	Electrical relays – Tests and measurements – Part 13: Corrosive atmospheres due to sulfur impact (IEC 63522-13:2024)	29.120.70	siječanj 2025.
EN IEC 63522-15	Electrical relays – Tests and measurements – Part 15: Robustness of terminals (IEC 63522-15:2024)	29.120.70	siječanj 2025.
EN IEC 63522-17	Electrical relays – Tests and measurements – Part 17: Shock, acceleration and vibration (IEC 63522-17:2024)	29.120.70	siječanj 2025.
EN IEC 63522-48	Electrical relays – Tests and measurements – Part 48: Contact failure rate test (IEC 63522-48:2024)	29.120.70	siječanj 2025.
EN IEC 81355-1	Industrial systems, installations and equipment and industrial products – Classification and designation of information – Part 1: Basic rules and classification of information (IEC 81355-1:2024)	01.080.01; 01.080.30; 01.110; 29.020	siječanj 2025.
HD 60364-5-52/A1	Low-voltage electrical installations – Part 5-52: Selection and erection of electrical equipment – Wiring systems (IEC 60364-5-52:2009/AMD1:2024)	13.260; 29.060.20; 29.120.50; 91.140.50	siječanj 2025.

## Europska normizacija (ETSI)

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 102226 V 16.3.0	Smart Cards – Remote APDU structure for UICC based applications (Release 16)	35.240.15	siječanj 2025.
ETSI TS 102226 V 17.2.0	Smart Cards – Remote APDU structure for UICC based applications (Release 17)	35.240.15	siječanj 2025.
ETSI TS 102226 V 18.5.0	Smart Cards – Remote APDU structure for UICC based applications (Release 18)	35.240.15	siječanj 2025.
ETSI TR 103843 V 1.1.1	SmartM2M – oneM2M deployment guidelines and best practices	33.200	siječanj 2025.
ETSI TR 103930 V 1.1.1	Guide for the development of Harmonised Standards falling under article 3.2 of the Radio Equipment Directive (RED) – Meteorological and Primary Radars	07.060; 33.100.10	siječanj 2025.
ETSI TR 103948 V 1.1.2	Wireline Access Network Systems – General engineering for existing network reuse – Implementation of IP equipment on existing coaxial networks	33.060.40	siječanj 2025.
ETSI TS 103976 V 1.2.1	LEA support services – Interface for Lawful Disclosure of vehicle-related data	33.040.35	siječanj 2025.
ETSI TR 104006 V 1.1.1	Rail Telecommunications (RT) – Future Railway Mobile Communication System (FRMCS) – Study on Onboard Radio Interface (OBrad)	33.070.50	siječanj 2025.
ETSI TR 104048 V 1.1.1	Securing Artificial Intelligence (SAI) – Data Supply Chain Security	35.030; 35.240.01	siječanj 2025.
ETSI TR 104074 V 1.1.1	Core Network and Interoperability Testing (INT) – Methodologies for Testing & Validation of Network Application based services over 5G networks	33.040.99	siječanj 2025.
ETSI TR 104221 V 1.1.1	Securing Artificial Intelligence (SAI) – Problem Statement	35.030; 35.240.01	siječanj 2025.
ETSI TS 122011 V 17.7.0 *3GPP TS 22.011 Version 17.7.0 Release 17	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Service accessibility (3GPP TS 22.011 version 17.7.0 Release 17)	33.070.50	siječanj 2025.
ETSI TS 122011 V 18.6.0 *3GPP TS 22.011 Version 18.6.0 Release 18	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Service accessibility (3GPP TS 22.011 version 18.6.0 Release 18)	33.070.50	siječanj 2025.
ETSI TS 122261 V 17.13.0 *3GPP TS 22.261 Version 17.13.0 Release 17	5G – Service requirements for the 5G system (3GPP TS 22.261 version 17.13.0 Release 17)	33.070.50	siječanj 2025.
ETSI TS 122261 V 18.16.0 *3GPP TS 22.261 Version 18.16.0 Release 18	5G – Service requirements for the 5G system (3GPP TS 22.261 version 18.16.0 Release 18)	33.070.50	siječanj 2025.
ETSI TS 122268 V 17.1.0 *3GPP TS 22.268 Version 17.1.0 Release 17	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Public Warning System (PWS) requirements (3GPP TS 22.268 version 17.1.0 Release 17)	33.070.50	siječanj 2025.
ETSI TS 122268 V 18.4.0 *3GPP TS 22.268 Version 18.4.0 Release 18	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Public Warning System (PWS) requirements (3GPP TS 22.268 version 18.4.0 Release 18)	33.070.50	siječanj 2025.
ETSI TS 123032 V 18.3.0 *3GPP TS 23.032 Version 18.3.0 Release 18	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Universal Geographical Area Description (GAD) (3GPP TS 23.032 version 18.3.0 Release 18)	33.070.50	siječanj 2025.
ETSI TS 123222 V 18.7.0 *3GPP TS 23.222 Version 18.7.0 Release 18	LTE – 5G – Common API Framework for 3GPP Northbound APIs (3GPP TS 23.222 version 18.7.0 Release 18)	33.070.99	siječanj 2025.
ETSI TS 123228 V 18.8.0 *3GPP TS 23.228 Version 18.8.0 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 18.8.0 Release 18)	33.070.50	siječanj 2025.
ETSI TS 123273 V 16.13.0 *3GPP TS 23.273 Version 16.13.0 Release 16	5G – 5G System (5GS) Location Services (LCS) – Stage 2 (3GPP TS 23.273 version 16.13.0 Release 16)	33.070.50	siječanj 2025.

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 123273 V 17.11.0 *3GPP TS 23.273 Version 17.11.0 Release 17	5G – 5G System (5GS) Location Services (LCS) – Stage 2 (3GPP TS 23.273 version 17.11.0 Release 17)	33.070.50	siječanj 2025.
ETSI TS 123273 V 18.8.0 *3GPP TS 23.273 Version 18.8.0 Release 18	5G – 5G System (5GS) Location Services (LCS) – Stage 2 (3GPP TS 23.273 version 18.8.0 Release 18)	33.070.50	siječanj 2025.
ETSI TS 123280 V 18.11.0 *3GPP TS 23.280 Version 18.11.0 Release 18	LTE – Common functional architecture to support mission critical services – Stage 2 (3GPP TS 23.280 version 18.11.0 Release 18)	33.070.99	siječanj 2025.
ETSI TS 123281 V 18.9.0 *3GPP TS 23.281 Version 18.9.0 Release 18	LTE – Functional architecture and information flows to support Mission Critical Video (MCVideo) – Stage 2 (3GPP TS 23.281 version 18.9.0 Release 18)	33.070.99	siječanj 2025.
ETSI TS 123282 V 18.9.0 *3GPP TS 23.282 Version 18.9.0 Release 18	LTE – Functional architecture and information flows to support Mission Critical Data (MCDData) – Stage 2 (3GPP TS 23.282 version 18.9.0 Release 18)	33.070.99	siječanj 2025.
ETSI TS 123286 V 18.6.0 *3GPP TS 23.286 Version 18.6.0 Release 18	LTE – Application layer support for Vehicle-to-Everything (V2X) services – Functional architecture and information flows (3GPP TS 23.286 version 18.6.0 Release 18)	33.070.99	siječanj 2025.
ETSI TS 123288 V 18.8.0 *3GPP TS 23.288 Version 18.8.0 Release 18	5G – Architecture enhancements for 5G System (5GS) to support network data analytics services (3GPP TS 23.288 version 18.8.0 Release 18)	33.070.50	siječanj 2025.
ETSI TS 123289 V 18.10.0 *3GPP TS 23.289 Version 18.10.0 Release 18	5G – Mission Critical services over 5G System – Stage 2 (3GPP TS 23.289 version 18.10.0 Release 18)	33.070.50	siječanj 2025.
ETSI TS 123379 V 18.11.0 *3GPP TS 23.379 Version 18.11.0 Release 18	LTE – Functional architecture and information flows to support Mission Critical Push To Talk (MCPTT) – Stage 2 (3GPP TS 23.379 version 18.11.0 Release 18)	33.070.99	siječanj 2025.
ETSI TS 123401 V 18.8.0 *3GPP TS 23.401 Version 18.8.0 Release 18	LTE – General Packet Radio Service (GPRS) enhancements for Evolved Universal Terrestrial Radio Access Network (E-UTRAN) access (3GPP TS 23.401 version 18.8.0 Release 18)	33.070.50	siječanj 2025.
ETSI TS 123433 V 18.6.0 *3GPP TS 23.433 Version 18.6.0 Release 18	LTE – 5G – Service Enabler Architecture Layer for Verticals (SEAL) – Data Delivery enabler for vertical applications (3GPP TS 23.433 version 18.6.0 Release 18)	33.070.50	siječanj 2025.
ETSI TS 123436 V 18.6.0 *3GPP TS 23.436 Version 18.6.0 Release 18	LTE – 5G – Functional architecture and information flows for Application Data Analytics Enablement Service (3GPP TS 23.436 version 18.6.0 Release 18)	33.070.50	siječanj 2025.
ETSI TS 123501 V 18.8.0 *3GPP TS 23.501 Version 18.8.0 Release 18	5G – System architecture for the 5G System (5GS) (3GPP TS 23.501 version 18.8.0 Release 18)	33.070.50	siječanj 2025.
ETSI TS 123502 V 18.8.0 *3GPP TS 23.502 Version 18.8.0 Release 18	5G – Procedures for the 5G System (5GS) (3GPP TS 23.502 version 18.8.0 Release 18)	33.070.50	siječanj 2025.
ETSI TS 123503 V 18.8.0 *3GPP TS 23.503 Version 18.8.0 Release 18	5G – Policy and charging control framework for the 5G System (5GS) – Stage 2 (3GPP TS 23.503 version 18.8.0 Release 18)	33.070.50	siječanj 2025.
ETSI TS 123542 V 18.5.0 *3GPP TS 23.542 Version 18.5.0 Release 18	5G – Application layer support for Personal IoT Network (3GPP TS 23.542 version 18.5.0 Release 18)	33.070.50; 35.240.95	siječanj 2025.
ETSI TS 123548 V 18.8.0 *3GPP TS 23.548 Version 18.8.0 Release 18	5G – 5G System Enhancements for Edge Computing – Stage 2 (3GPP TS 23.548 version 18.8.0 Release 18)	33.070.50	siječanj 2025.
ETSI TS 123558 V 17.12.0 *3GPP TS 23.558 Version 17.12.0 Release 17	5G – Architecture for enabling Edge Applications (3GPP TS 23.558 version 17.12.0 Release 17)	33.070.50	siječanj 2025.
ETSI TS 123558 V 18.9.0 *3GPP TS 23.558 Version 18.9.0 Release 18	5G – Architecture for enabling Edge Applications (3GPP TS 23.558 version 18.9.0 Release 18)	33.070.50	siječanj 2025.
ETSI TS 123586 V 18.6.0 *3GPP TS 23.586 Version 18.6.0 Release 18	5G – Architectural Enhancements to support Ranging based services and Sidelink Positioning (3GPP TS 23.586 version 18.6.0 Release 18)	33.070.50	siječanj 2025.
ETSI TS 123632 V 18.6.0 *3GPP TS 23.632 Version 18.6.0 Release 18	LTE – 5G – User data interworking, coexistence and migration – Stage 2 (3GPP TS 23.632 version 18.6.0 Release 18)	33.070.99	siječanj 2025.

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TR 123946 V 18.0.0 *3GPP TR 23.946 Version 18.0.0 Release 18	LTE – 5G – Guidelines for CAPIF Usage (3GPP TR 23.946 version 18.0.0 Release 18)	33.070.50	siječanj 2025.
ETSI TS 124080 V 18.6.0 *3GPP TS 24.080 Version 18.6.0 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 18.6.0 Release 18)	33.070.50	siječanj 2025.
ETSI TS 124193 V 18.8.0 *3GPP TS 24.193 Version 18.8.0 Release 18	5G – 5G System – Access Traffic Steering, Switching and Splitting (ATSSS) – Stage 3 (3GPP TS 24.193 version 18.8.0 Release 18)	33.070.99	siječanj 2025.
ETSI TS 124229 V 11.31.0 *3GPP TS 24.229 Version 11.31.0 Release 11	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – IP multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP) – Stage 3 (3GPP TS 24.229 version 11.31.0 Release 11)	33.070.50	siječanj 2025.
ETSI TS 124229 V 12.27.0 *3GPP TS 24.229 Version 12.27.0 Release 12	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – IP multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP) – Stage 3 (3GPP TS 24.229 version 12.27.0 Release 12)	33.070.50	siječanj 2025.
ETSI TS 124229 V 13.23.0 *3GPP TS 24.229 Version 13.23.0 Release 13	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – IP multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP) – Stage 3 (3GPP TS 24.229 version 13.23.0 Release 13)	33.070.50	siječanj 2025.
ETSI TS 124229 V 14.21.0 *3GPP TS 24.229 Version 14.21.0 Release 14	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – IP multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP) – Stage 3 (3GPP TS 24.229 version 14.21.0 Release 14)	33.070.50	siječanj 2025.
ETSI TS 124229 V 15.19.0 *3GPP TS 24.229 Version 15.19.0 Release 15	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – IP multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP) – Stage 3 (3GPP TS 24.229 version 15.19.0 Release 15)	33.070.50	siječanj 2025.
ETSI TS 124229 V 16.16.0 *3GPP TS 24.229 Version 16.16.0 Release 16	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – IP multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP) – Stage 3 (3GPP TS 24.229 version 16.16.0 Release 16)	33.070.50	siječanj 2025.
ETSI TS 124229 V 17.16.0 *3GPP TS 24.229 Version 17.16.0 Release 17	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – IP multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP) – Stage 3 (3GPP TS 24.229 version 17.16.0 Release 17)	33.070.50	siječanj 2025.
ETSI TS 124229 V 18.7.0 *3GPP TS 24.229 Version 18.7.0 Release 18	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – IP multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP) – Stage 3 (3GPP TS 24.229 version 18.7.0 Release 18)	33.070.50	siječanj 2025.
ETSI TS 124281 V 18.8.0 *3GPP TS 24.281 Version 18.8.0 Release 18	LTE – Mission Critical Video (MCVideo) signalling control – Protocol specification (3GPP TS 24.281 version 18.8.0 Release 18)	33.070.99	siječanj 2025.
ETSI TS 124282 V 18.9.0 *3GPP TS 24.282 Version 18.9.0 Release 18	LTE – Mission Critical Data (MCDData) signalling control – Protocol specification (3GPP TS 24.282 version 18.9.0 Release 18)	33.070.99	siječanj 2025.

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 124301 V 18.9.0 *3GPP TS 24.301 Version 18.9.0 Release 18	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Non-Access-Stratum (NAS) protocol for Evolved Packet System (EPS) – Stage 3 (3GPP TS 24.301 version 18.9.0 Release 18)	33.070.50	siječanj 2025.
ETSI TS 124302 V 18.7.0 *3GPP TS 24.302 Version 18.7.0 Release 18	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Access to the 3GPP Evolved Packet Core (EPC) via non-3GPP access networks – Stage 3 (3GPP TS 24.302 version 18.7.0 Release 18)	33.070.50	siječanj 2025.
ETSI TS 124337 V 12.3.0 *3GPP TS 24.337 Version 12.3.0 Release 12	Universal Mobile Telecommunications System (UMTS) – LTE – IP Multimedia (IM) Core Network (CN) subsystem IP Multimedia Subsystem (IMS) inter-UE transfer – Stage 3 (3GPP TS 24.337 version 12.3.0 Release 12)	33.070.50	siječanj 2025.
ETSI TS 124337 V 13.2.0 *3GPP TS 24.337 Version 13.2.0 Release 13	Universal Mobile Telecommunications System (UMTS) – LTE – IP Multimedia (IM) Core Network (CN) subsystem IP Multimedia Subsystem (IMS) inter-UE transfer – Stage 3 (3GPP TS 24.337 version 13.2.0 Release 13)	33.070.50	siječanj 2025.
ETSI TS 124337 V 14.1.0 *3GPP TS 24.337 Version 14.1.0 Release 14	Universal Mobile Telecommunications System (UMTS) – LTE – IP Multimedia (IM) Core Network (CN) subsystem IP Multimedia Subsystem (IMS) inter-UE transfer – Stage 3 (3GPP TS 24.337 version 14.1.0 Release 14)	33.070.50	siječanj 2025.
ETSI TS 124337 V 15.1.0 *3GPP TS 24.337 Version 15.1.0 Release 15	Universal Mobile Telecommunications System (UMTS) – LTE – IP Multimedia (IM) Core Network (CN) subsystem IP Multimedia Subsystem (IMS) inter-UE transfer – Stage 3 (3GPP TS 24.337 version 15.1.0 Release 15)	33.070.50	siječanj 2025.
ETSI TS 124337 V 16.1.0 *3GPP TS 24.337 Version 16.1.0 Release 16	Universal Mobile Telecommunications System (UMTS) – LTE – IP Multimedia (IM) Core Network (CN) subsystem IP Multimedia Subsystem (IMS) inter-UE transfer – Stage 3 (3GPP TS 24.337 version 16.1.0 Release 16)	33.070.50	siječanj 2025.
ETSI TS 124337 V 17.1.0 *3GPP TS 24.337 Version 17.1.0 Release 17	Universal Mobile Telecommunications System (UMTS) – LTE – IP Multimedia (IM) Core Network (CN) subsystem IP Multimedia Subsystem (IMS) inter-UE transfer – Stage 3 (3GPP TS 24.337 version 17.1.0 Release 17)	33.070.50	siječanj 2025.
ETSI TS 124337 V 18.1.0 *3GPP TS 24.337 Version 18.1.0 Release 18	Universal Mobile Telecommunications System (UMTS) – LTE – IP Multimedia (IM) Core Network (CN) subsystem IP Multimedia Subsystem (IMS) inter-UE transfer – Stage 3 (3GPP TS 24.337 version 18.1.0 Release 18)	33.070.50	siječanj 2025.
ETSI TS 128104 V 17.10.0 *3GPP TS 28.104 Version 17.10.0 Release 17	5G – Management and orchestration – Management Data Analytics (MDA) (3GPP TS 28.104 version 17.10.0 Release 17)	33.070.50	siječanj 2025.
ETSI TS 128104 V 18.6.0 *3GPP TS 28.104 Version 18.6.0 Release 18	5G – Management and orchestration – Management Data Analytics (MDA) (3GPP TS 28.104 version 18.6.0 Release 18)	33.070.50	siječanj 2025.
ETSI TS 128111 V 18.3.0 *3GPP TS 28.111 Version 18.3.0 Release 18	5G – Fault management (3GPP TS 28.111 version 18.3.0 Release 18)	33.070.50	siječanj 2025.
ETSI TS 128310 V 16.10.0 *3GPP TS 28.310 Version 16.10.0 Release 16	LTE – 5G – Management and orchestration – Energy efficiency of 5G (3GPP TS 28.310 version 16.10.0 Release 16)	33.070.50	siječanj 2025.
ETSI TS 128310 V 17.9.0 *3GPP TS 28.310 Version 17.9.0 Release 17	LTE – 5G – Management and orchestration – Energy efficiency of 5G (3GPP TS 28.310 version 17.9.0 Release 17)	33.070.50	siječanj 2025.
ETSI TS 128310 V 18.7.0 *3GPP TS 28.310 Version 18.7.0 Release 18	LTE – 5G – Management and orchestration – Energy efficiency of 5G (3GPP TS 28.310 version 18.7.0 Release 18)	33.070.50	siječanj 2025.
ETSI TS 128405 V 18.8.0 *3GPP TS 28.405 Version 18.8.0 Release 18	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Telecommunication management – Quality of Experience (QoE) measurement collection – Control and configuration (3GPP TS 28.405 version 18.8.0 Release 18)	33.070.50	siječanj 2025.
ETSI TS 128530 V 17.6.0 *3GPP TS 28.530 Version 17.6.0 Release 17	5G – Management and orchestration – Concepts, use cases and requirements (3GPP TS 28.530 version 17.6.0 Release 17)	33.070.50	siječanj 2025.
ETSI TS 128530 V 18.2.0 *3GPP TS 28.530 Version 18.2.0 Release 18	5G – Management and orchestration – Concepts, use cases and requirements (3GPP TS 28.530 version 18.2.0 Release 18)	33.070.50	siječanj 2025.



Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 128531 V 17.10.0 *3GPP TS 28.531 Version 17.10.0 Release 17	5G – Management and orchestration – Provisioning (3GPP TS 28.531 version 17.10.0 Release 17)	33.070.50	siječanj 2025.
ETSI TS 128531 V 18.8.0 *3GPP TS 28.531 Version 18.8.0 Release 18	5G – Management and orchestration – Provisioning (3GPP TS 28.531 version 18.8.0 Release 18)	33.070.50	siječanj 2025.
ETSI TS 128532 V 15.11.0 *3GPP TS 28.532 Version 15.11.0 Release 15	5G – Management and orchestration – Generic management services (3GPP TS 28.532 version 15.11.0 Release 15)	33.070.50	siječanj 2025.
ETSI TS 128532 V 16.20.0 *3GPP TS 28.532 Version 16.20.0 Release 16	5G – Management and orchestration – Generic management services (3GPP TS 28.532 version 16.20.0 Release 16)	33.070.50	siječanj 2025.
ETSI TS 128532 V 17.11.0 *3GPP TS 28.532 Version 17.11.0 Release 17	5G – Management and orchestration – Generic management services (3GPP TS 28.532 version 17.11.0 Release 17)	33.070.50	siječanj 2025.
ETSI TS 128532 V 18.5.0 *3GPP TS 28.532 Version 18.5.0 Release 18	5G – Management and orchestration – Generic management services (3GPP TS 28.532 version 18.5.0 Release 18)	33.070.50	siječanj 2025.
ETSI TS 128533 V 18.4.0 *3GPP TS 28.533 Version 18.4.0 Release 18	5G – Management and orchestration – Architecture framework (3GPP TS 28.533 version 18.4.0 Release 18)	33.070.50	siječanj 2025.
ETSI TS 128536 V 16.8.0 *3GPP TS 28.536 Version 16.8.0 Release 16	LTE – 5G – Management and orchestration – Management services for communication service assurance – Stage 2 and stage 3 (3GPP TS 28.536 version 16.8.0 Release 16)	33.070.50	siječanj 2025.
ETSI TS 128536 V 17.10.0 *3GPP TS 28.536 Version 17.10.0 Release 17	LTE – 5G – Management and orchestration – Management services for communication service assurance – Stage 2 and stage 3 (3GPP TS 28.536 version 17.10.0 Release 17)	33.070.50	siječanj 2025.
ETSI TS 128536 V 18.3.0 *3GPP TS 28.536 Version 18.3.0 Release 18	LTE – 5G – Management and orchestration – Management services for communication service assurance – Stage 2 and stage 3 (3GPP TS 28.536 version 18.3.0 Release 18)	33.070.50	siječanj 2025.
ETSI TS 128538 V 17.6.0 *3GPP TS 28.538 Version 17.6.0 Release 17	5G – Management and orchestration – Edge Computing Management (3GPP TS 28.538 version 17.6.0 Release 17)	33.070.50	siječanj 2025.
ETSI TS 128538 V 18.9.0 *3GPP TS 28.538 Version 18.9.0 Release 18	5G – Management and orchestration – Edge Computing Management (3GPP TS 28.538 version 18.9.0 Release 18)	33.070.50	siječanj 2025.
ETSI TS 128540 V 18.1.0 *3GPP TS 28.540 Version 18.1.0 Release 18	5G – Management and orchestration – 5G Network Resource Model (NRM) – Stage 1 (3GPP TS 28.540 version 18.1.0 Release 18)	33.070.50	siječanj 2025.
ETSI TS 128552 V 16.19.0 *3GPP TS 28.552 Version 16.19.0 Release 16	5G – Management and orchestration – 5G performance measurements (3GPP TS 28.552 version 16.19.0 Release 16)	33.070.50	siječanj 2025.
ETSI TS 128552 V 17.16.0 *3GPP TS 28.552 Version 17.16.0 Release 17	5G – Management and orchestration – 5G performance measurements (3GPP TS 28.552 version 17.16.0 Release 17)	33.070.50	siječanj 2025.
ETSI TS 128552 V 18.9.0 *3GPP TS 28.552 Version 18.9.0 Release 18	5G – Management and orchestration – 5G performance measurements (3GPP TS 28.552 version 18.9.0 Release 18)	33.070.50	siječanj 2025.
ETSI TS 128556 V 17.2.0 *3GPP TS 28.556 Version 17.2.0 Release 17	5G – Management and orchestration – Network policy management for 5G mobile networks – Stage 2 and stage 3 (3GPP TS 28.556 version 17.2.0 Release 17)	33.070.50	siječanj 2025.
ETSI TS 129175 V 18.3.0 *3GPP TS 29.175 Version 18.3.0 Release 18	5G – IP Multimedia Subsystem (IMS) Application Server (AS) Services Stage 3 (3GPP TS 29.175 version 18.3.0 Release 18)	33.070.50	siječanj 2025.
ETSI TS 129176 V 18.4.0 *3GPP TS 29.176 Version 18.4.0 Release 18	5G – IP Multimedia Subsystems (IMS) – Media Function (MF) Services – Stage 3 (Release 18) (3GPP TS 29.176 version 18.4.0 Release 18)	33.070.50	siječanj 2025.
ETSI TS 129214 V 18.4.0 *3GPP TS 29.214 Version 18.4.0 Release 18	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Policy and charging control over Rx reference point (3GPP TS 29.214 version 18.4.0 Release 18)	33.070.50	siječanj 2025.
ETSI TS 129222 V 16.12.0 *3GPP TS 29.222 Version 16.12.0 Release 16	LTE – 5G – Common API Framework for 3GPP Northbound APIs (3GPP TS 29.222 version 16.12.0 Release 16)	33.070.99	siječanj 2025.

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 129222 V 17.9.0 *3GPP TS 29.222 Version 17.9.0 Release 17	LTE – 5G – Common API Framework for 3GPP Northbound APIs (3GPP TS 29.222 version 17.9.0 Release 17)	33.070.99	siječanj 2025.
ETSI TS 129222 V 18.7.0 *3GPP TS 29.222 Version 18.7.0 Release 18	LTE – 5G – Common API Framework for 3GPP Northbound APIs (3GPP TS 29.222 version 18.7.0 Release 18)	33.070.99	siječanj 2025.
ETSI TS 129230 V 17.4.0 *3GPP TS 29.230 Version 17.4.0 Release 17	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Diameter applications – 3GPP specific codes and identifiers (3GPP TS 29.230 version 17.4.0 Release 17)	33.070.50	siječanj 2025.
ETSI TS 129230 V 18.5.0 *3GPP TS 29.230 Version 18.5.0 Release 18	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Diameter applications – 3GPP specific codes and identifiers (3GPP TS 29.230 version 18.5.0 Release 18)	33.070.50	siječanj 2025.
ETSI TS 129244 V 18.8.0 *3GPP TS 29.244 Version 18.8.0 Release 18	LTE – 5G – Interface between the Control Plane and the User Plane nodes (3GPP TS 29.244 version 18.8.0 Release 18)	33.070.99	siječanj 2025.
ETSI TS 129273 V 18.5.0 *3GPP TS 29.273 Version 18.5.0 Release 18	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Evolved Packet System (EPS) – 3GPP EPS AAA interfaces (3GPP TS 29.273 version 18.5.0 Release 18)	33.070.50	siječanj 2025.
ETSI TS 129274 V 18.8.0 *3GPP TS 29.274 Version 18.8.0 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 18.8.0 Release 18)	33.070.50	siječanj 2025.
ETSI TS 129281 V 17.5.0 *3GPP TS 29.281 Version 17.5.0 Release 17	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – General Packet Radio System (GPRS) Tunnelling Protocol User Plane (GTPv1-U) (3GPP TS 29.281 version 17.5.0 Release 17)	33.070.50	siječanj 2025.
ETSI TS 129281 V 18.3.0 *3GPP TS 29.281 Version 18.3.0 Release 18	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – General Packet Radio System (GPRS) Tunnelling Protocol User Plane (GTPv1-U) (3GPP TS 29.281 version 18.3.0 Release 18)	33.070.50	siječanj 2025.
ETSI TS 129413 V 18.3.0 *3GPP TS 29.413 Version 18.3.0 Release 18	5G – Application of the NG Application Protocol (NGAP) to non-3GPP access (3GPP TS 29.413 version 18.3.0 Release 18)	33.070.99	siječanj 2025.
ETSI TS 129501 V 15.9.0 *3GPP TS 29.501 Version 15.9.0 Release 15	5G – 5G System – Principles and Guidelines for Services Definition – Stage 3 (3GPP TS 29.501 version 15.9.0 Release 15)	33.070.99	siječanj 2025.
ETSI TS 129501 V 16.8.0 *3GPP TS 29.501 Version 16.8.0 Release 16	5G – 5G System – Principles and Guidelines for Services Definition – Stage 3 (3GPP TS 29.501 version 16.8.0 Release 16)	33.070.99	siječanj 2025.
ETSI TS 129501 V 17.9.0 *3GPP TS 29.501 Version 17.9.0 Release 17	5G – 5G System – Principles and Guidelines for Services Definition – Stage 3 (3GPP TS 29.501 version 17.9.0 Release 17)	33.070.99	siječanj 2025.
ETSI TS 129501 V 18.7.0 *3GPP TS 29.501 Version 18.7.0 Release 18	5G – 5G System – Principles and Guidelines for Services Definition – Stage 3 (3GPP TS 29.501 version 18.7.0 Release 18)	33.070.99	siječanj 2025.
ETSI TS 129502 V 18.9.0 *3GPP TS 29.502 Version 18.9.0 Release 18	5G – 5G System – Session Management Services – Stage 3 (3GPP TS 29.502 version 18.9.0 Release 18)	33.070.99	siječanj 2025.
ETSI TS 129503 V 17.17.0 *3GPP TS 29.503 Version 17.17.0 Release 17	5G – 5G System – Unified Data Management Services – Stage 3 (3GPP TS 29.503 version 17.17.0 Release 17)	33.070.99	siječanj 2025.
ETSI TS 129503 V 18.8.0 *3GPP TS 29.503 Version 18.8.0 Release 18	5G – 5G System – Unified Data Management Services – Stage 3 (3GPP TS 29.503 version 18.8.0 Release 18)	33.070.99	siječanj 2025.
ETSI TS 129504 V 18.8.0 *3GPP TS 29.504 Version 18.8.0 Release 18	5G – 5G System – Unified Data Repository Services – Stage 3 (3GPP TS 29.504 version 18.8.0 Release 18)	33.070.99	siječanj 2025.
ETSI TS 129508 V 17.14.0 *3GPP TS 29.508 Version 17.14.0 Release 17	5G – 5G System – Session Management Event Exposure Service – Stage 3 (3GPP TS 29.508 version 17.14.0 Release 17)	33.070.99	siječanj 2025.

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 129508 V 18.8.0 *3GPP TS 29.508 Version 18.8.0 Release 18	5G – 5G System – Session Management Event Exposure Service – Stage 3 (3GPP TS 29.508 version 18.8.0 Release 18)	33.070.99	siječanj 2025.
ETSI TS 129510 V 17.15.0 *3GPP TS 29.510 Version 17.15.0 Release 17	5G – 5G System – Network function repository services – Stage 3 (3GPP TS 29.510 version 17.15.0 Release 17)	33.070.99	siječanj 2025.
ETSI TS 129510 V 18.9.0 *3GPP TS 29.510 Version 18.9.0 Release 18	5G – 5G System – Network function repository services – Stage 3 (3GPP TS 29.510 version 18.9.0 Release 18)	33.070.99	siječanj 2025.
ETSI TS 129512 V 18.8.0 *3GPP TS 29.512 Version 18.8.0 Release 18	5G – 5G System – Session Management Policy Control Service – Stage 3 (3GPP TS 29.512 version 18.8.0 Release 18)	33.070.99	siječanj 2025.
ETSI TS 129513 V 18.8.0 *3GPP TS 29.513 Version 18.8.0 Release 18	5G – 5G System – Policy and Charging Control signalling flows and QoS parameter mapping – Stage 3 (3GPP TS 29.513 version 18.8.0 Release 18)	33.070.99	siječanj 2025.
ETSI TS 129514 V 15.16.0 *3GPP TS 29.514 Version 15.16.0 Release 15	5G – 5G System – Policy Authorization Service – Stage 3 (3GPP TS 29.514 version 15.16.0 Release 15)	33.070.99	siječanj 2025.
ETSI TS 129514 V 16.21.0 *3GPP TS 29.514 Version 16.21.0 Release 16	5G – 5G System – Policy Authorization Service – Stage 3 (3GPP TS 29.514 version 16.21.0 Release 16)	33.070.99	siječanj 2025.
ETSI TS 129514 V 17.13.0 *3GPP TS 29.514 Version 17.13.0 Release 17	5G – 5G System – Policy Authorization Service – Stage 3 (3GPP TS 29.514 version 17.13.0 Release 17)	33.070.99	siječanj 2025.
ETSI TS 129514 V 18.8.0 *3GPP TS 29.514 Version 18.8.0 Release 18	5G – 5G System – Policy Authorization Service – Stage 3 (3GPP TS 29.514 version 18.8.0 Release 18)	33.070.99	siječanj 2025.
ETSI TS 129515 V 18.7.0 *3GPP TS 29.515 Version 18.7.0 Release 18	5G – 5G System – Gateway Mobile Location Services – Stage 3 (3GPP TS 29.515 version 18.7.0 Release 18)	33.070.99	siječanj 2025.
ETSI TS 129517 V 18.8.0 *3GPP TS 29.517 Version 18.8.0 Release 18	5G – 5G System – Application Function Event Exposure Service – Stage 3 (3GPP TS 29.517 version 18.8.0 Release 18)	33.070.99	siječanj 2025.
ETSI TS 129518 V 16.17.0 *3GPP TS 29.518 Version 16.17.0 Release 16	5G – 5G System – Access and Mobility Management Services – Stage 3 (3GPP TS 29.518 version 16.17.0 Release 16)	33.070.99	siječanj 2025.
ETSI TS 129518 V 17.15.0 *3GPP TS 29.518 Version 17.15.0 Release 17	5G – 5G System – Access and Mobility Management Services – Stage 3 (3GPP TS 29.518 version 17.15.0 Release 17)	33.070.99	siječanj 2025.
ETSI TS 129518 V 18.8.0 *3GPP TS 29.518 Version 18.8.0 Release 18	5G – 5G System – Access and Mobility Management Services – Stage 3 (3GPP TS 29.518 version 18.8.0 Release 18)	33.070.99	siječanj 2025.
ETSI TS 129519 V 18.8.0 *3GPP TS 29.519 Version 18.8.0 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 18.8.0 Release 18)	33.070.99	siječanj 2025.
ETSI TS 129520 V 18.8.0 *3GPP TS 29.520 Version 18.8.0 Release 18	5G – 5G System – Network Data Analytics Services – Stage 3 (3GPP TS 29.520 version 18.8.0 Release 18)	33.070.99	siječanj 2025.
ETSI TS 129522 V 17.16.0 *3GPP TS 29.522 Version 17.16.0 Release 17	5G – 5G System – Network Exposure Function Northbound APIs – Stage 3 (3GPP TS 29.522 version 17.16.0 Release 17)	33.070.99	siječanj 2025.
ETSI TS 129525 V 18.8.0 *3GPP TS 29.525 Version 18.8.0 Release 18	5G – 5G System – UE Policy Control Service – Stage 3 (3GPP TS 29.525 version 18.8.0 Release 18)	33.070.99	siječanj 2025.
ETSI TS 129535 V 18.6.0 *3GPP TS 29.535 Version 18.6.0 Release 18	5G – 5G System – AKMA Anchor Services – Stage 3 (3GPP TS 29.535 version 18.6.0 Release 18)	33.070.50	siječanj 2025.
ETSI TS 129536 V 17.6.0 *3GPP TS 29.536 Version 17.6.0 Release 17	5G – 5G System – Network Slice Admission Control Services – Stage 3 (3GPP TS 29.536 version 17.6.0 Release 17)	33.070.50	siječanj 2025.
ETSI TS 129536 V 18.8.0 *3GPP TS 29.536 Version 18.8.0 Release 18	5G – 5G System – Network Slice Admission Control Services – Stage 3 (3GPP TS 29.536 version 18.8.0 Release 18)	33.070.50	siječanj 2025.

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 129537 V 18.5.0 *3GPP TS 29.537 Version 18.5.0 Release 18	5G – 5G System – Multicast/Broadcast Policy Control services – Stage 3 (3GPP TS 29.537 version 18.5.0 Release 18)	33.070.50	siječanj 2025.
ETSI TS 129548 V 18.2.0 *3GPP TS 29.548 Version 18.2.0 Release 18	5G – Service Enabler Architecture Layer for Verticals (SEAL) – SEAL Data Delivery (SEALDD) Server Services – Stage 3 (3GPP TS 29.548 version 18.2.0 Release 18)	33.070.50	siječanj 2025.
ETSI TS 129552 V 18.7.0 *3GPP TS 29.552 Version 18.7.0 Release 18	5G – 5G System – Network Data Analytics signalling flows – Stage 3 (3GPP TS 29.552 version 18.7.0 Release 18)	33.070.50	siječanj 2025.
ETSI TS 129558 V 17.8.0 *3GPP TS 29.558 Version 17.8.0 Release 17	5G – Enabling Edge Applications – Application Programming Interface (API) specification – Stage 3 (3GPP TS 29.558 version 17.8.0 Release 17)	33.070.50	siječanj 2025.
ETSI TS 129558 V 18.8.0 *3GPP TS 29.558 Version 18.8.0 Release 18	5G – Enabling Edge Applications – Application Programming Interface (API) specification – Stage 3 (3GPP TS 29.558 version 18.8.0 Release 18)	33.070.50	siječanj 2025.
ETSI TS 129562 V 18.6.0 *3GPP TS 29.562 Version 18.6.0 Release 18	5G – 5G System – Home Subscriber Server (HSS) services – Stage 3 (3GPP TS 29.562 version 18.6.0 Release 18)	33.070.99	siječanj 2025.
ETSI TS 129564 V 18.7.0 *3GPP TS 29.564 Version 18.7.0 Release 18	5G – 5G System – User Plane Function Services – Stage 3 (3GPP TS 29.564 version 18.7.0 Release 18)	33.070.50	siječanj 2025.
ETSI TS 129565 V 17.9.0 *3GPP TS 29.565 Version 17.9.0 Release 17	5G – 5G System – Time Sensitive Communication and Time Synchronization Function Services – Stage 3 (3GPP TS 29.565 version 17.9.0 Release 17)	33.070.50	siječanj 2025.
ETSI TS 129565 V 18.8.0 *3GPP TS 29.565 Version 18.8.0 Release 18	5G – 5G System – Time Sensitive Communication and Time Synchronization Function Services – Stage 3 (3GPP TS 29.565 version 18.8.0 Release 18)	33.070.50	siječanj 2025.
ETSI TS 129571 V 18.8.0 *3GPP TS 29.571 Version 18.8.0 Release 18	5G – 5G System – Common Data Types for Service Based Interfaces – Stage 3 (3GPP TS 29.571 version 18.8.0 Release 18)	33.070.99	siječanj 2025.
ETSI TS 129572 V 18.7.0 *3GPP TS 29.572 Version 18.7.0 Release 18	5G – 5G System – Location Management Services – Stage 3 (3GPP TS 29.572 version 18.7.0 Release 18)	33.070.99	siječanj 2025.
ETSI TS 129573 V 18.9.0 *3GPP TS 29.573 Version 18.9.0 Release 18	5G – 5G System – Public Land Mobile Network (PLMN) Interconnection – Stage 3 (3GPP TS 29.573 version 18.9.0 Release 18)	33.070.99	siječanj 2025.
ETSI TS 129591 V 18.8.1 *3GPP TS 29.591 Version 18.8.1 Release 18	5G – 5G System – Network Exposure Function Southbound Services – Stage 3 (3GPP TS 29.591 version 18.8.1 Release 18)	33.070.99	siječanj 2025.
ETSI TS 131102 V 17.15.0 *3GPP TS 31.102 Version 17.15.0 Release 17	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Characteristics of the Universal Subscriber Identity Module (USIM) application (3GPP TS 31.102 version 17.15.0 Release 17)	33.070.50	siječanj 2025.
ETSI TS 131102 V 18.7.0 *3GPP TS 31.102 Version 18.7.0 Release 18	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Characteristics of the Universal Subscriber Identity Module (USIM) application (3GPP TS 31.102 version 18.7.0 Release 18)	33.070.50	siječanj 2025.
ETSI TS 131105 V 18.3.0 *3GPP TS 31.105 Version 18.3.0 Release 18	5G – Characteristics of the Slice Subscriber Identity Module application (3GPP TS 31.105 version 18.3.0 Release 18)	33.070.50	siječanj 2025.
ETSI TS 131111 V 18.8.0 *3GPP TS 31.111 Version 18.8.0 Release 18	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Universal Subscriber Identity Module (USIM) Application Toolkit (USAT) (3GPP TS 31.111 version 18.8.0 Release 18)	33.070.50	siječanj 2025.
ETSI TS 131121 V 17.5.0 *3GPP TS 31.121 Version 17.5.0 Release 17	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – UICC-terminal interface – Universal Subscriber Identity Module (USIM) application test specification (3GPP TS 31.121 version 17.5.0 Release 17)	33.070.50	siječanj 2025.
ETSI TS 131122 V 18.2.0 *3GPP TS 31.122 Version 18.2.0 Release 18	Universal Mobile Telecommunications System (UMTS) – LTE – Universal Subscriber Identity Module (USIM) conformance test specification (3GPP TS 31.122 version 18.2.0 Release 18)	33.070.50	siječanj 2025.

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 131124 V 17.5.0 *3GPP TS 31.124 Version 17.5.0 Release 17	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Mobile Equipment (ME) conformance test specification – Universal Subscriber Identity Module Application Toolkit (USAT) conformance test specification (3GPP TS 31.124 version 17.5.0 Release 17)	33.070.50	siječanj 2025.
ETSI TS 131127 V 17.3.0 *3GPP TS 31.127 Version 17.3.0 Release 17	5G – UICC-terminal interaction – non-removable Universal Subscriber Identity Module (nrUSIM) application behavioural test specification (3GPP TS 31.127 version 17.3.0 Release 17)	33.070.99	siječanj 2025.
ETSI TS 131127 V 18.0.0 *3GPP TS 31.127 Version 18.0.0 Release 18	5G – UICC-terminal interaction – non-removable Universal Subscriber Identity Module (nrUSIM) application behavioural test specification (3GPP TS 31.127 version 18.0.0 Release 18)	33.070.50	siječanj 2025.
ETSI TS 131130 V 18.2.0 *3GPP TS 31.130 Version 18.2.0 Release 18	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – (U)SIM Application Programming Interface (API) – (U)SIM API for Java Card (3GPP TS 31.130 version 18.2.0 Release 18)	33.070.50	siječanj 2025.
ETSI TS 132421 V 15.5.0 *3GPP TS 32.421 Version 15.5.0 Release 15	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Telecommunication management – Subscriber and equipment trace – Trace concepts and requirements (3GPP TS 32.421 version 15.5.0 Release 15)	33.070.50	siječanj 2025.
ETSI TS 132421 V 16.5.0 *3GPP TS 32.421 Version 16.5.0 Release 16	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Telecommunication management – Subscriber and equipment trace – Trace concepts and requirements (3GPP TS 32.421 version 16.5.0 Release 16)	33.070.50	siječanj 2025.
ETSI TS 132421 V 17.6.0 *3GPP TS 32.421 Version 17.6.0 Release 17	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Telecommunication management – Subscriber and equipment trace – Trace concepts and requirements (3GPP TS 32.421 version 17.6.0 Release 17)	33.070.50	siječanj 2025.
ETSI TS 132421 V 18.4.0 *3GPP TS 32.421 Version 18.4.0 Release 18	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Telecommunication management – Subscriber and equipment trace – Trace concepts and requirements (3GPP TS 32.421 version 18.4.0 Release 18)	33.070.50	siječanj 2025.
ETSI TS 132422 V 16.17.0 *3GPP TS 32.422 Version 16.17.0 Release 16	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Telecommunication management – Subscriber and equipment trace – Trace control and configuration management (3GPP TS 32.422 version 16.17.0 Release 16)	33.070.50	siječanj 2025.
ETSI TS 132422 V 17.15.0 *3GPP TS 32.422 Version 17.15.0 Release 17	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Telecommunication management – Subscriber and equipment trace – Trace control and configuration management (3GPP TS 32.422 version 17.15.0 Release 17)	33.070.50	siječanj 2025.
ETSI TS 132422 V 18.5.0 *3GPP TS 32.422 Version 18.5.0 Release 18	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Telecommunication management – Subscriber and equipment trace – Trace control and configuration management (3GPP TS 32.422 version 18.5.0 Release 18)	33.070.50	siječanj 2025.
ETSI TS 132423 V 15.4.0 *3GPP TS 32.423 Version 15.4.0 Release 15	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Telecommunication management – Subscriber and equipment trace – Trace data definition and management (3GPP TS 32.423 version 15.4.0 Release 15)	33.070.50	siječanj 2025.
ETSI TS 132423 V 16.14.0 *3GPP TS 32.423 Version 16.14.0 Release 16	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Telecommunication management – Subscriber and equipment trace – Trace data definition and management (3GPP TS 32.423 version 16.14.0 Release 16)	33.070.50	siječanj 2025.
ETSI TS 132423 V 17.12.0*3GPP TS 32.423 Version 17.12.0 Release 17	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Telecommunication management – Subscriber and equipment trace – Trace data definition and management (3GPP TS 32.423 version 17.12.0 Release 17)	33.070.50	siječanj 2025.

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 132423 V 18.5.0 *3GPP TS 32.423 Version 18.5.0 Release 18	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Telecommunication management – Subscriber and equipment trace – Trace data definition and management (3GPP TS 32.423 version 18.5.0 Release 18)	33.070.50	siječanj 2025.
ETSI TS 133127 V 16.14.0 *3GPP TS 33.127 Version 16.14.0 Release 16	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Lawful Interception (LI) architecture and functions (3GPP TS 33.127 version 16.14.0 Release 16)	33.070.50	siječanj 2025.
ETSI TS 133127 V 17.15.0 *3GPP TS 33.127 Version 17.15.0 Release 17	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Lawful Interception (LI) architecture and functions (3GPP TS 33.127 version 17.15.0 Release 17)	33.070.50	siječanj 2025.
ETSI TS 133127 V 18.10.0 *3GPP TS 33.127 Version 18.10.0 Release 18	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Lawful Interception (LI) architecture and functions (3GPP TS 33.127 version 18.10.0 Release 18)	33.070.50	siječanj 2025.
ETSI TS 133128 V 16.18.0 *3GPP TS 33.128 Version 16.18.0 Release 16	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Security – Protocol and procedures for Lawful Interception (LI) – Stage 3 (3GPP TS 33.128 version 16.18.0 Release 16)	33.070.50	siječanj 2025.
ETSI TS 133128 V 17.15.0 *3GPP TS 33.128 Version 17.15.0 Release 17	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Security – Protocol and procedures for Lawful Interception (LI) – Stage 3 (3GPP TS 33.128 version 17.15.0 Release 17)	33.070.50	siječanj 2025.
ETSI TS 133128 V 18.10.0 *3GPP TS 33.128 Version 18.10.0 Release 18	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Security – Protocol and procedures for Lawful Interception (LI) – Stage 3 (3GPP TS 33.128 version 18.10.0 Release 18)	33.070.50	siječanj 2025.
ETSI TS 133310 V 18.6.0 *3GPP TS 33.310 Version 18.6.0 Release 18	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Network Domain Security (NDS) – Authentication Framework (AF) (3GPP TS 33.310 version 18.6.0 Release 18)	33.070.50	siječanj 2025.
ETSI TS 133328 V 18.3.0 *3GPP TS 33.328 Version 18.3.0 Release 18	Universal Mobile Telecommunications System (UMTS) – LTE – IP Multimedia Subsystem (IMS) media plane security (3GPP TS 33.328 version 18.3.0 Release 18)	33.070.50	siječanj 2025.
ETSI TS 133501 V 18.8.0 *3GPP TS 33.501 Version 18.8.0 Release 18	5G – Security architecture and procedures for 5G System (3GPP TS 33.501 version 18.8.0 Release 18)	33.070.50	siječanj 2025.
ETSI TS 133503 V 17.10.0 *3GPP TS 33.503 Version 17.10.0 Release 17	5G – Security Aspects of Proximity based Services (ProSe) in the 5G System (5GS) (3GPP TS 33.503 version 17.10.0 Release 17)	33.070.50	siječanj 2025.
ETSI TS 133503 V 18.5.0 *3GPP TS 33.503 Version 18.5.0 Release 18	5G – Security Aspects of Proximity based Services (ProSe) in the 5G System (5GS) (3GPP TS 33.503 version 18.5.0 Release 18)	33.070.50	siječanj 2025.
ETSI TS 133533 V 18.5.0 *3GPP TS 33.533 Version 18.5.0 Release 18	5G – Security aspects of ranging based services and sidelink positioning (3GPP TS 33.533 version 18.5.0 Release 18)	33.070.50	siječanj 2025.
ETSI TS 133535 V 18.6.0 *3GPP TS 33.535 Version 18.6.0 Release 18	5G – Authentication and Key Management for Applications (AKMA) based on 3GPP credentials in the 5G System (5GS) (3GPP TS 33.535 version 18.6.0 Release 18)	33.070.50	siječanj 2025.
ETSI TS 136102 V 18.7.0 *3GPP TS 36.102 Version 18.7.0 Release 18	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – User Equipment (UE) radio transmission and reception for satellite access (3GPP TS 36.102 version 18.7.0 Release 18)	33.070.50	siječanj 2025.
ETSI TS 136104 V 17.13.0 *3GPP TS 36.104 Version 17.13.0 Release 17	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Base Station (BS) radio transmission and reception (3GPP TS 36.104 version 17.13.0 Release 17)	33.070.50	siječanj 2025.
ETSI TS 136104 V 18.6.0 *3GPP TS 36.104 Version 18.6.0 Release 18	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Base Station (BS) radio transmission and reception (3GPP TS 36.104 version 18.6.0 Release 18)	33.070.50	siječanj 2025.

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 136141 V 15.21.0 *3GPP TS 36.141 Version 15.21.0 Release 15	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Base Station (BS) conformance testing (3GPP TS 36.141 version 15.21.0 Release 15)	33.070.50	siječanj 2025.
ETSI TS 136141 V 17.13.0 *3GPP TS 36.141 Version 17.13.0 Release 17	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Base Station (BS) conformance testing (3GPP TS 36.141 version 17.13.0 Release 17)	33.070.50	siječanj 2025.
ETSI TS 136141 V 18.5.0 *3GPP TS 36.141 Version 18.5.0 Release 18	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Base Station (BS) conformance testing (3GPP TS 36.141 version 18.5.0 Release 18)	33.070.50	siječanj 2025.
ETSI TS 136212 V 18.1.0 *3GPP TS 36.212 Version 18.1.0 Release 18	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Multiplexing and channel coding (3GPP TS 36.212 version 18.1.0 Release 18)	33.070.50	siječanj 2025.
ETSI TS 136300 V 18.4.0 *3GPP TS 36.300 Version 18.4.0 Release 18	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Universal Terrestrial Radio Access Network (E-UTRAN) – Overall description – Stage 2 (3GPP TS 36.300 version 18.4.0 Release 18)	33.070.50	siječanj 2025.
ETSI TS 136304 V 18.3.0 *3GPP TS 36.304 Version 18.3.0 Release 18	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – User Equipment (UE) procedures in idle mode (3GPP TS 36.304 version 18.3.0 Release 18)	33.070.50	siječanj 2025.
ETSI TS 136306 V 17.8.0 *3GPP TS 36.306 Version 17.8.0 Release 17	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – User Equipment (UE) radio access capabilities (3GPP TS 36.306 version 17.8.0 Release 17)	33.070.50	siječanj 2025.
ETSI TS 136306 V 18.4.0 *3GPP TS 36.306 Version 18.4.0 Release 18	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – User Equipment (UE) radio access capabilities (3GPP TS 36.306 version 18.4.0 Release 18)	33.070.50	siječanj 2025.
ETSI TS 136331 V 16.18.0 *3GPP TS 36.331 Version 16.18.0 Release 16	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Radio Resource Control (RRC) – Protocol specification (3GPP TS 36.331 version 16.18.0 Release 16)	33.070.50	siječanj 2025.
ETSI TS 136331 V 17.11.0 *3GPP TS 36.331 Version 17.11.0 Release 17	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Radio Resource Control (RRC) – Protocol specification (3GPP TS 36.331 version 17.11.0 Release 17)	33.070.50	siječanj 2025.
ETSI TS 136331 V 18.4.0 *3GPP TS 36.331 Version 18.4.0 Release 18	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Radio Resource Control (RRC) – Protocol specification (3GPP TS 36.331 version 18.4.0 Release 18)	33.070.50	siječanj 2025.
ETSI TS 136413 V 18.3.0 *3GPP TS 36.413 Version 18.3.0 Release 18	LTE – Evolved Universal Terrestrial Radio Access Network (E-UTRAN) – S1 Application Protocol (S1AP) (3GPP TS 36.413 version 18.3.0 Release 18)	33.070.50	siječanj 2025.
ETSI TS 136423 V 18.3.0 *3GPP TS 36.423 Version 18.3.0 Release 18	LTE – Evolved Universal Terrestrial Radio Access Network (E-UTRAN) – X2 Application Protocol (X2AP) (3GPP TS 36.423 version 18.3.0 Release 18)	33.070.50	siječanj 2025.
ETSI TS 137104 V 17.14.0 *3GPP TS 37.104 Version 17.14.0 Release 17	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – NR, E-UTRA, UTRA and GSM/EDGE – Multi-Standard Radio (MSR) Base Station (BS) radio transmission and reception (3GPP TS 37.104 version 17.14.0 Release 17)	33.070.50	siječanj 2025.
ETSI TS 137104 V 18.7.0 *3GPP TS 37.104 Version 18.7.0 Release 18	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – NR, E-UTRA, UTRA and GSM/EDGE – Multi-Standard Radio (MSR) Base Station (BS) radio transmission and reception (3GPP TS 37.104 version 18.7.0 Release 18)	33.070.50	siječanj 2025.
ETSI TS 137105 V 17.11.0 *3GPP TS 37.105 Version 17.11.0 Release 17	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Active Antenna System (AAS) Base Station (BS) transmission and reception (3GPP TS 37.105 version 17.11.0 Release 17)	33.070.99	siječanj 2025.
ETSI TS 137105 V 18.6.0 *3GPP TS 37.105 Version 18.6.0 Release 18	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Active Antenna System (AAS) Base Station (BS) transmission and reception (3GPP TS 37.105 version 18.6.0 Release 18)	33.070.99	siječanj 2025.
ETSI TS 137141 V 17.15.0 *3GPP TS 37.141 Version 17.15.0 Release 17	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – NR, E-UTRA, UTRA and GSM/EDGE – Multi-Standard Radio (MSR) Base Station (BS) conformance testing (3GPP TS 37.141 version 17.15.0 Release 17)	33.070.50	siječanj 2025.

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 137141 V 18.7.0 *3GPP TS 37.141 Version 18.7.0 Release 18	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – NR, E-UTRA, UTRA and GSM/EDGE – Multi-Standard Radio (MSR) Base Station (BS) conformance testing (3GPP TS 37.141 version 18.7.0 Release 18)	33.070.50	siječanj 2025.
ETSI TS 137144 V 14.9.0 *3GPP TS 37.144 Version 14.9.0 Release 14	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – User Equipment (UE) and Mobile Station (MS) GSM, UTRA and E-UTRA over the air performance requirements (3GPP TS 37.144 version 14.9.0 Release 14)	33.070.99	siječanj 2025.
ETSI TS 137144 V 15.2.0 *3GPP TS 37.144 Version 15.2.0 Release 15	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – User Equipment (UE) and Mobile Station (MS) GSM, UTRA and E-UTRA over the air performance requirements (3GPP TS 37.144 version 15.2.0 Release 15)	33.070.99	siječanj 2025.
ETSI TS 137144 V 16.2.0 *3GPP TS 37.144 Version 16.2.0 Release 16	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – User Equipment (UE) and Mobile Station (MS) GSM, UTRA and E-UTRA over the air performance requirements (3GPP TS 37.144 version 16.2.0 Release 16)	33.070.99	siječanj 2025.
ETSI TS 137144 V 17.2.0 *3GPP TS 37.144 Version 17.2.0 Release 17	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – User Equipment (UE) and Mobile Station (MS) GSM, UTRA and E-UTRA over the air performance requirements (3GPP TS 37.144 version 17.2.0 Release 17)	33.070.99	siječanj 2025.
ETSI TS 137144 V 18.2.0 *3GPP TS 37.144 Version 18.2.0 Release 18	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – User Equipment (UE) and Mobile Station (MS) GSM, UTRA and E-UTRA over the air performance requirements (3GPP TS 37.144 version 18.2.0 Release 18)	33.070.99	siječanj 2025.
ETSI TS 137145-1 V 17.12.0 *3GPP TS 37.145-1 Version 17.12.0 Release 17	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Active Antenna System (AAS) Base Station (BS) conformance testing – Part 1: conducted conformance testing (3GPP TS 37.145-1 version 17.12.0 Release 17)	33.070.99	siječanj 2025.
ETSI TS 137145-1 V 18.6.0 *3GPP TS 37.145-1 Version 18.6.0 Release 18	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Active Antenna System (AAS) Base Station (BS) conformance testing – Part 1: conducted conformance testing (3GPP TS 37.145-1 version 18.6.0 Release 18)	33.070.99	siječanj 2025.
ETSI TS 137145-2 V 17.14.0 *3GPP TS 37.145-2 Version 17.14.0 Release 17	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Active Antenna System (AAS) Base Station (BS) conformance testing – Part 2: radiated conformance testing (3GPP TS 37.145-2 version 17.14.0 Release 17)	33.070.99	siječanj 2025.
ETSI TS 137145-2 V 18.8.0 *3GPP TS 37.145-2 Version 18.8.0 Release 18	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Active Antenna System (AAS) Base Station (BS) conformance testing – Part 2: radiated conformance testing (3GPP TS 37.145-2 version 18.8.0 Release 18)	33.070.99	siječanj 2025.
ETSI TS 137213 V 18.5.0 *3GPP TS 37.213 Version 18.5.0 Release 18	LTE – 5G – Physical layer procedures for shared spectrum channel access (3GPP TS 37.213 version 18.5.0 Release 18)	33.070.99	siječanj 2025.
ETSI TS 137340 V 17.8.0 *3GPP TS 37.340 Version 17.8.0 Release 17	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Evolved Universal Terrestrial Radio Access (E-UTRA) and NR – Multi-connectivity – Overall Description – Stage-2 (3GPP TS 37.340 version 17.8.0 Release 17)	33.070.99	siječanj 2025.
ETSI TS 137340 V 18.4.0 *3GPP TS 37.340 Version 18.4.0 Release 18	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Evolved Universal Terrestrial Radio Access (E-UTRA) and NR – Multi-connectivity – Overall Description – Stage-2 (3GPP TS 37.340 version 18.4.0 Release 18)	33.070.99	siječanj 2025.
ETSI TS 137355 V 16.14.0 *3GPP TS 37.355 Version 16.14.0 Release 16	LTE – 5G – LTE Positioning Protocol (LPP) (3GPP TS 37.355 version 16.14.0 Release 16)	33.070.50	siječanj 2025.
ETSI TS 137355 V 17.9.0 *3GPP TS 37.355 Version 17.9.0 Release 17	LTE – 5G – LTE Positioning Protocol (LPP) (3GPP TS 37.355 version 17.9.0 Release 17)	33.070.50	siječanj 2025.
ETSI TS 137355 V 18.4.0 *3GPP TS 37.355 Version 18.4.0 Release 18	LTE – 5G – LTE Positioning Protocol (LPP) (3GPP TS 37.355 version 18.4.0 Release 18)	33.070.50	siječanj 2025.



Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 137483 V 18.3.0 *3GPP TS 37.483 Version 18.3.0 Release 18	5G – E1 Application Protocol (E1AP) (3GPP TS 37.483 version 18.3.0 Release 18)	33.070.50	siječanj 2025.
ETSI TR 137902 V 14.1.0 *3GPP TR 37.902 Version 14.1.0 Release 14	Universal Mobile Telecommunications System (UMTS) – LTE – Measurements of User Equipment (UE) radio performances for LTE/UMTS terminals – Total Radiated Power (TRP) and Total Radiated Sensitivity (TRS) test methodology (3GPP TR 37.902 version 14.1.0 Release 14)	33.070.50	siječanj 2025.
ETSI TR 137902 V 15.1.0 *3GPP TR 37.902 Version 15.1.0 Release 15	Universal Mobile Telecommunications System (UMTS) – LTE – Measurements of User Equipment (UE) radio performances for LTE/UMTS terminals – Total Radiated Power (TRP) and Total Radiated Sensitivity (TRS) test methodology (3GPP TR 37.902 version 15.1.0 Release 15)	33.070.50	siječanj 2025.
ETSI TR 137902 V 16.1.0 *3GPP TR 37.902 Version 16.1.0 Release 16	Universal Mobile Telecommunications System (UMTS) – LTE – Measurements of User Equipment (UE) radio performances for LTE/UMTS terminals – Total Radiated Power (TRP) and Total Radiated Sensitivity (TRS) test methodology (3GPP TR 37.902 version 16.1.0 Release 16)	33.070.50	siječanj 2025.
ETSI TR 137902 V 17.1.0 *3GPP TR 37.902 Version 17.1.0 Release 17	Universal Mobile Telecommunications System (UMTS) – LTE – Measurements of User Equipment (UE) radio performances for LTE/UMTS terminals – Total Radiated Power (TRP) and Total Radiated Sensitivity (TRS) test methodology (3GPP TR 37.902 version 17.1.0 Release 17)	33.070.50	siječanj 2025.
ETSI TR 137902 V 18.1.0 *3GPP TR 37.902 Version 18.1.0 Release 18	Universal Mobile Telecommunications System (UMTS) – LTE – Measurements of User Equipment (UE) radio performances for LTE/UMTS terminals – Total Radiated Power (TRP) and Total Radiated Sensitivity (TRS) test methodology (3GPP TR 37.902 version 18.1.0 Release 18)	33.070.50	siječanj 2025.
ETSI TR 137941 V 15.5.0 *3GPP TR 37.941 Version 15.5.0 Release 15	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Radio Frequency (RF) conformance testing background for radiated Base Station (BS) requirements (3GPP TR 37.941 version 15.5.0 Release 15)	33.070.50	siječanj 2025.
ETSI TR 137941 V 16.7.0 *3GPP TR 37.941 Version 16.7.0 Release 16	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Radio Frequency (RF) conformance testing background for radiated Base Station (BS) requirements (3GPP TR 37.941 version 16.7.0 Release 16)	33.070.50	siječanj 2025.
ETSI TR 137941 V 17.5.0 *3GPP TR 37.941 Version 17.5.0 Release 17	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Radio Frequency (RF) conformance testing background for radiated Base Station (BS) requirements (3GPP TR 37.941 version 17.5.0 Release 17)	33.070.50	siječanj 2025.
ETSI TR 137941 V 18.2.0 *3GPP TR 37.941 Version 18.2.0 Release 18	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Radio Frequency (RF) conformance testing background for radiated Base Station (BS) requirements (3GPP TR 37.941 version 18.2.0 Release 18)	33.070.50	siječanj 2025.
ETSI TS 138101-2 V 17.16.0 *3GPP TS 38.101-2 Version 17.16.0 Release 17	5G – NR – User Equipment (UE) radio transmission and reception – Part 2: Range 2 Standalone (3GPP TS 38.101-2 version 17.16.0 Release 17)	33.070.99	siječanj 2025.
ETSI TS 138101-2 V 18.8.0 *3GPP TS 38.101-2 Version 18.8.0 Release 18	5G – NR – User Equipment (UE) radio transmission and reception – Part 2: Range 2 Standalone (3GPP TS 38.101-2 version 18.8.0 Release 18)	33.070.99	siječanj 2025.
ETSI TS 138101-4 V 15.24.0 *3GPP TS 38.101-4 Version 15.24.0 Release 15	5G – NR – User Equipment (UE) radio transmission and reception – Part 4: Performance requirements (3GPP TS 38.101-4 version 15.24.0 Release 15)	33.070.99	siječanj 2025.
ETSI TS 138101-4 V 16.19.0 *3GPP TS 38.101-4 Version 16.19.0 Release 16	5G – NR – User Equipment (UE) radio transmission and reception – Part 4: Performance requirements (3GPP TS 38.101-4 version 16.19.0 Release 16)	33.070.99	siječanj 2025.
ETSI TS 138101-5 V 17.10.0 *3GPP TS 38.101-5 Version 17.10.0 Release 17	5G – NR – User Equipment (UE) radio transmission and reception – Part 5: Satellite access Radio Frequency (RF) and performance requirements (3GPP TS 38.101-5 version 17.10.0 Release 17)	33.070.50	siječanj 2025.
ETSI TS 138101-5 V 18.8.0 *3GPP TS 38.101-5 Version 18.8.0 Release 18	5G – NR – User Equipment (UE) radio transmission and reception – Part 5: Satellite access Radio Frequency (RF) and performance requirements (3GPP TS 38.101-5 version 18.8.0 Release 18)	33.070.50	siječanj 2025.

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 138104 V 15.21.0 *3GPP TS 38.104 Version 15.21.0 Release 15	5G – NR – Base Station (BS) radio transmission and reception (3GPP TS 38.104 version 15.21.0 Release 15)	33.070.99	siječanj 2025.
ETSI TS 138104 V 16.21.0 *3GPP TS 38.104 Version 16.21.0 Release 16	5G – NR – Base Station (BS) radio transmission and reception (3GPP TS 38.104 version 16.21.0 Release 16)	33.070.99	siječanj 2025.
ETSI TS 138104 V 17.16.0 *3GPP TS 38.104 Version 17.16.0 Release 17	5G – NR – Base Station (BS) radio transmission and reception (3GPP TS 38.104 version 17.16.0 Release 17)	33.070.99	siječanj 2025.
ETSI TS 138104 V 18.8.0 *3GPP TS 38.104 Version 18.8.0 Release 18	5G – NR – Base Station (BS) radio transmission and reception (3GPP TS 38.104 version 18.8.0 Release 18)	33.070.99	siječanj 2025.
ETSI TS 138106 V 17.11.0 *3GPP TS 38.106 Version 17.11.0 Release 17	5G – NR repeater radio transmission and reception (3GPP TS 38.106 version 17.11.0 Release 17)	33.070.99	siječanj 2025.
ETSI TS 138106 V 18.7.0 *3GPP TS 38.106 Version 18.7.0 Release 18	5G – NR repeater radio transmission and reception (3GPP TS 38.106 version 18.7.0 Release 18)	33.070.99	siječanj 2025.
ETSI TS 138108 V 17.10.0 *3GPP TS 38.108 Version 17.10.0 Release 17	5G – NR – Satellite Access Node radio transmission and reception (3GPP TS 38.108 version 17.10.0 Release 17)	33.070.50	siječanj 2025.
ETSI TS 138108 V 18.5.0 *3GPP TS 38.108 Version 18.5.0 Release 18	5G – NR – Satellite Access Node radio transmission and reception (3GPP TS 38.108 version 18.5.0 Release 18)	33.070.50	siječanj 2025.
ETSI TS 138114 V 17.7.0 *3GPP TS 38.114 Version 17.7.0 Release 17	5G – NR – Repeaters ElectroMagnetic Compatibility (EMC) (3GPP TS 38.114 version 17.7.0 Release 17)	33.070.99	siječanj 2025.
ETSI TS 138114 V 18.4.0 *3GPP TS 38.114 Version 18.4.0 Release 18	5G – NR – Repeaters ElectroMagnetic Compatibility (EMC) (3GPP TS 38.114 version 18.4.0 Release 18)	33.070.99	siječanj 2025.
ETSI TS 138115-1 V 17.6.0 *3GPP TS 38.115-1 Version 17.6.0 Release 17	5G – NR – Repeater conformance testing – Part 1: Conducted conformance testing (3GPP TS 38.115-1 version 17.6.0 Release 17)	33.070.50	siječanj 2025.
ETSI TS 138115-1 V 18.7.0 *3GPP TS 38.115-1 Version 18.7.0 Release 18	5G – NR – Repeater conformance testing – Part 1: Conducted conformance testing (3GPP TS 38.115-1 version 18.7.0 Release 18)	33.070.50	siječanj 2025.
ETSI TS 138115-2 V 18.3.0 *3GPP TS 38.115-2 Version 18.3.0 Release 18	5G – NR – Repeater conformance testing – Part 2: Radiated conformance testing (3GPP TS 38.115-2 version 18.3.0 Release 18)	33.070.50	siječanj 2025.
ETSI TS 138141-1 V 16.20.0 *3GPP TS 38.141-1 Version 16.20.0 Release 16	5G – NR – Base Station (BS) conformance testing Part 1: Conducted conformance testing (3GPP TS 38.141-1 version 16.20.0 Release 16)	33.070.99	siječanj 2025.
ETSI TS 138141-1 V 17.16.0 *3GPP TS 38.141-1 Version 17.16.0 Release 17	5G – NR – Base Station (BS) conformance testing Part 1: Conducted conformance testing (3GPP TS 38.141-1 version 17.16.0 Release 17)	33.070.99	siječanj 2025.
ETSI TS 138141-1 V 18.8.0 *3GPP TS 38.141-1 Version 18.8.0 Release 18	5G – NR – Base Station (BS) conformance testing Part 1: Conducted conformance testing (3GPP TS 38.141-1 version 18.8.0 Release 18)	33.070.99	siječanj 2025.
ETSI TS 138141-2 V 15.20.0 *3GPP TS 38.141-2 Version 15.20.0 Release 15	5G – NR – Base Station (BS) conformance testing Part 2: Radiated conformance testing (3GPP TS 38.141-2 version 15.20.0 Release 15)	33.070.99	siječanj 2025.
ETSI TS 138141-2 V 16.19.0 *3GPP TS 38.141-2 Version 16.19.0 Release 16	5G – NR – Base Station (BS) conformance testing Part 2: Radiated conformance testing (3GPP TS 38.141-2 version 16.19.0 Release 16)	33.070.99	siječanj 2025.
ETSI TS 138141-2 V 17.16.0 *3GPP TS 38.141-2 Version 17.16.0 Release 17	5G – NR – Base Station (BS) conformance testing Part 2: Radiated conformance testing (3GPP TS 38.141-2 version 17.16.0 Release 17)	33.070.99	siječanj 2025.
ETSI TS 138141-2 V 18.8.0 *3GPP TS 38.141-2 Version 18.8.0 Release 18	5G – NR – Base Station (BS) conformance testing Part 2: Radiated conformance testing (3GPP TS 38.141-2 version 18.8.0 Release 18)	33.070.99	siječanj 2025.
ETSI TS 138151 V 17.10.0 *3GPP TS 38.151 Version 17.10.0 Release 17	5G – NR – User Equipment (UE) Multiple Input Multiple Output (MIMO) Over-the-Air (OTA) performance requirements (3GPP TS 38.151 version 17.10.0 Release 17)	33.070.99	siječanj 2025.

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 138151 V 18.3.0 *3GPP TS 38.151 Version 18.3.0 Release 18	5G – NR – User Equipment (UE) Multiple Input Multiple Output (MIMO) Over-the-Air (OTA) performance requirements (3GPP TS 38.151 version 18.3.0 Release 18)	33.070.99	siječanj 2025.
ETSI TS 138161 V 18.3.0 *3GPP TS 38.161 Version 18.3.0 Release 18	5G – NR – User Equipment (UE) TRP (Total Radiated Power) and TRS (Total Radiated Sensitivity) requirements – Range 1 Standalone and Range 1 Interworking operation with other radios (3GPP TS 38.161 version 18.3.0 Release 18)	33.070.50	siječanj 2025.
ETSI TS 138174 V 16.12.0 *3GPP TS 38.174 Version 16.12.0 Release 16	5G – NR – Integrated Access and Backhaul (IAB) radio transmission and reception (3GPP TS 38.174 version 16.12.0 Release 16)	33.070.99	siječanj 2025.
ETSI TS 138174 V 17.9.0 *3GPP TS 38.174 Version 17.9.0 Release 17	5G – NR – Integrated Access and Backhaul (IAB) radio transmission and reception (3GPP TS 38.174 version 17.9.0 Release 17)	33.070.99	siječanj 2025.
ETSI TS 138174 V 18.7.0 *3GPP TS 38.174 Version 18.7.0 Release 18	5G – NR – Integrated Access and Backhaul (IAB) radio transmission and reception (3GPP TS 38.174 version 18.7.0 Release 18)	33.070.99	siječanj 2025.
ETSI TS 138176-1 V 17.11.0 *3GPP TS 38.176-1 Version 17.11.0 Release 17	5G – NR – Integrated Access and Backhaul (IAB) conformance testing – Part 1: Conducted conformance testing (3GPP TS 38.176-1 version 17.11.0 Release 17)	33.070.99	siječanj 2025.
ETSI TS 138176-1 V 18.7.0 *3GPP TS 38.176-1 Version 18.7.0 Release 18	5G – NR – Integrated Access and Backhaul (IAB) conformance testing – Part 1: Conducted conformance testing (3GPP TS 38.176-1 version 18.7.0 Release 18)	33.070.99	siječanj 2025.
ETSI TS 138176-2 V 16.12.0 *3GPP TS 38.176-2 Version 16.12.0 Release 16	5G – NR – Integrated Access and Backhaul (IAB) conformance testing – Part 2: Radiated conformance testing (3GPP TS 38.176-2 version 16.12.0 Release 16)	33.070.99	siječanj 2025.
ETSI TS 138176-2 V 17.11.0 *3GPP TS 38.176-2 Version 17.11.0 Release 17	5G – NR – Integrated Access and Backhaul (IAB) conformance testing – Part 2: Radiated conformance testing (3GPP TS 38.176-2 version 17.11.0 Release 17)	33.070.99	siječanj 2025.
ETSI TS 138176-2 V 18.7.0 *3GPP TS 38.176-2 Version 18.7.0 Release 18	5G – NR – Integrated Access and Backhaul (IAB) conformance testing – Part 2: Radiated conformance testing (3GPP TS 38.176-2 version 18.7.0 Release 18)	33.070.99	siječanj 2025.
ETSI TS 138181 V 17.7.0 *3GPP TS 38.181 Version 17.7.0 Release 17	5G – NR – Satellite Access Node conformance testing (3GPP TS 38.181 version 17.7.0 Release 17)	33.070.50	siječanj 2025.
ETSI TS 138181 V 18.4.0 *3GPP TS 38.181 Version 18.4.0 Release 18	5G – NR – Satellite Access Node conformance testing (3GPP TS 38.181 version 18.4.0 Release 18)	33.070.50	siječanj 2025.
ETSI TS 138211 V 17.10.0 *3GPP TS 38.211 Version 17.10.0 Release 17	5G – NR – Physical channels and modulation (3GPP TS 38.211 version 17.10.0 Release 17)	33.070.99	siječanj 2025.
ETSI TS 138211 V 18.5.0 *3GPP TS 38.211 Version 18.5.0 Release 18	5G – NR – Physical channels and modulation (3GPP TS 38.211 version 18.5.0 Release 18)	33.070.99	siječanj 2025.
ETSI TS 138212 V 17.10.0 *3GPP TS 38.212 Version 17.10.0 Release 17	5G – NR – Multiplexing and channel coding (3GPP TS 38.212 version 17.10.0 Release 17)	33.070.99	siječanj 2025.
ETSI TS 138212 V 18.5.0 *3GPP TS 38.212 Version 18.5.0 Release 18	5G – NR – Multiplexing and channel coding (3GPP TS 38.212 version 18.5.0 Release 18)	33.070.99	siječanj 2025.
ETSI TS 138213 V 17.12.0 *3GPP TS 38.213 Version 17.12.0 Release 17	5G – NR – Physical layer procedures for control (3GPP TS 38.213 version 17.12.0 Release 17)	33.070.99	siječanj 2025.
ETSI TS 138213 V 18.5.0 *3GPP TS 38.213 Version 18.5.0 Release 18	5G – NR – Physical layer procedures for control (3GPP TS 38.213 version 18.5.0 Release 18)	33.070.99	siječanj 2025.
ETSI TS 138214 V 17.12.0 *3GPP TS 38.214 Version 17.12.0 Release 17	5G – NR – Physical layer procedures for data (3GPP TS 38.214 version 17.12.0 Release 17)	33.070.99	siječanj 2025.
ETSI TS 138214 V 18.5.0 *3GPP TS 38.214 Version 18.5.0 Release 18	5G – NR – Physical layer procedures for data (3GPP TS 38.214 version 18.5.0 Release 18)	33.070.99	siječanj 2025.
ETSI TS 138215 V 18.4.0 *3GPP TS 38.215 Version 18.4.0 Release 18	5G – NR – Physical layer measurements (3GPP TS 38.215 version 18.4.0 Release 18)	33.070.99	siječanj 2025.

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 138300 V 15.19.0 *3GPP TS 38.300 Version 15.19.0 Release 15	5G – NR – NR and NG-RAN Overall description – Stage-2 (3GPP TS 38.300 version 15.19.0 Release 15)	33.070.99	siječanj 2025.
ETSI TS 138300 V 16.18.0 *3GPP TS 38.300 Version 16.18.0 Release 16	5G – NR – NR and NG-RAN Overall description – Stage-2 (3GPP TS 38.300 version 16.18.0 Release 16)	33.070.99	siječanj 2025.
ETSI TS 138300 V 17.11.0 *3GPP TS 38.300 Version 17.11.0 Release 17	5G – NR – NR and NG-RAN Overall description – Stage-2 (3GPP TS 38.300 version 17.11.0 Release 17)	33.070.99	siječanj 2025.
ETSI TS 138300 V 18.4.0 *3GPP TS 38.300 Version 18.4.0 Release 18	5G – NR – NR and NG-RAN Overall description – Stage-2 (3GPP TS 38.300 version 18.4.0 Release 18)	33.070.99	siječanj 2025.
ETSI TS 138304 V 16.11.0 *3GPP TS 38.304 Version 16.11.0 Release 16	5G – NR – User Equipment (UE) procedures in Idle mode and in RRC Inactive state (3GPP TS 38.304 version 16.11.0 Release 16)	33.070.99	siječanj 2025.
ETSI TS 138304 V 17.10.0 *3GPP TS 38.304 Version 17.10.0 Release 17	5G – NR – User Equipment (UE) procedures in Idle mode and in RRC Inactive state (3GPP TS 38.304 version 17.10.0 Release 17)	33.070.99	siječanj 2025.
ETSI TS 138304 V 18.4.0 *3GPP TS 38.304 Version 18.4.0 Release 18	5G – NR – User Equipment (UE) procedures in Idle mode and in RRC Inactive state (3GPP TS 38.304 version 18.4.0 Release 18)	33.070.99	siječanj 2025.
ETSI TS 138305 V 18.4.0 *3GPP TS 38.305 Version 18.4.0 Release 18	5G – NG Radio Access Network (NG-RAN) – Stage 2 functional specification of User Equipment (UE) positioning in NG-RAN (3GPP TS 38.305 version 18.4.0 Release 18)	33.070.99	siječanj 2025.
ETSI TS 138306 V 15.27.0 *3GPP TS 38.306 Version 15.27.0 Release 15	5G – NR – User Equipment (UE) radio access capabilities (3GPP TS 38.306 version 15.27.0 Release 15)	33.070.99	siječanj 2025.
ETSI TS 138306 V 16.19.0 *3GPP TS 38.306 Version 16.19.0 Release 16	5G – NR – User Equipment (UE) radio access capabilities (3GPP TS 38.306 version 16.19.0 Release 16)	33.070.99	siječanj 2025.
ETSI TS 138306 V 17.11.0 *3GPP TS 38.306 Version 17.11.0 Release 17	5G – NR – User Equipment (UE) radio access capabilities (3GPP TS 38.306 version 17.11.0 Release 17)	33.070.99	siječanj 2025.
ETSI TS 138306 V 18.4.0 *3GPP TS 38.306 Version 18.4.0 Release 18	5G – NR – User Equipment (UE) radio access capabilities (3GPP TS 38.306 version 18.4.0 Release 18)	33.070.99	siječanj 2025.
ETSI TS 138321 V 16.18.0 *3GPP TS 38.321 Version 16.18.0 Release 16	5G – NR – Medium Access Control (MAC) protocol specification (3GPP TS 38.321 version 16.18.0 Release 16)	33.070.99	siječanj 2025.
ETSI TS 138321 V 17.11.0 *3GPP TS 38.321 Version 17.11.0 Release 17	5G – NR – Medium Access Control (MAC) protocol specification (3GPP TS 38.321 version 17.11.0 Release 17)	33.070.99	siječanj 2025.
ETSI TS 138321 V 18.4.0 *3GPP TS 38.321 Version 18.4.0 Release 18	5G – NR – Medium Access Control (MAC) protocol specification (3GPP TS 38.321 version 18.4.0 Release 18)	33.070.99	siječanj 2025.
ETSI TS 138322 V 18.2.0 *3GPP TS 38.322 Version 18.2.0 Release 18	5G – NR – Radio Link Control (RLC) protocol specification (3GPP TS 38.322 version 18.2.0 Release 18)	33.070.99	siječanj 2025.
ETSI TS 138323 V 18.4.0 *3GPP TS 38.323 Version 18.4.0 Release 18	5G – NR – Packet Data Convergence Protocol (PDCP) specification (3GPP TS 38.323 version 18.4.0 Release 18)	33.070.99	siječanj 2025.
ETSI TS 138331 V 15.28.0 *3GPP TS 38.331 Version 15.28.0 Release 15	5G – NR – Radio Resource Control (RRC) – Protocol specification (3GPP TS 38.331 version 15.28.0 Release 15)	33.070.99	siječanj 2025.
ETSI TS 138331 V 16.19.0 *3GPP TS 38.331 Version 16.19.0 Release 16	5G – NR – Radio Resource Control (RRC) – Protocol specification (3GPP TS 38.331 version 16.19.0 Release 16)	33.070.99	siječanj 2025.
ETSI TS 138331 V 17.11.0 *3GPP TS 38.331 Version 17.11.0 Release 17	5G – NR – Radio Resource Control (RRC) – Protocol specification (3GPP TS 38.331 version 17.11.0 Release 17)	33.070.99	siječanj 2025.
ETSI TS 138331 V 18.4.0 *3GPP TS 38.331 Version 18.4.0 Release 18	5G – NR – Radio Resource Control (RRC) – Protocol specification (3GPP TS 38.331 version 18.4.0 Release 18)	33.070.99	siječanj 2025.

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 138340 V 18.2.0 *3GPP TS 38.340 Version 18.2.0 Release 18	5G – NR – Backhaul Adaptation Protocol (BAP) specification (3GPP TS 38.340 version 18.2.0 Release 18)	33.070.99	siječanj 2025.
ETSI TS 138351 V 18.3.0 *3GPP TS 38.351 Version 18.3.0 Release 18	5G – NR – Sidelink Relay Adaptation Protocol (SRAP) Specification (3GPP TS 38.351 version 18.3.0 Release 18)	33.070.50	siječanj 2025.
ETSI TS 138355 V 18.4.0 *3GPP TS 38.355 Version 18.4.0 Release 18	5G – NR – Sidelink Positioning Protocol (SLPP) – Protocol Specification (3GPP TS 38.355 version 18.4.0 Release 18)	33.070.50	siječanj 2025.
ETSI TS 138401 V 18.4.0 *3GPP TS 38.401 Version 18.4.0 Release 18	5G – NG-RAN – Architecture description (3GPP TS 38.401 version 18.4.0 Release 18)	33.070.99	siječanj 2025.
ETSI TS 138413 V 16.16.0 *3GPP TS 38.413 Version 16.16.0 Release 16	5G – NG-RAN – NG Application Protocol (NGAP) (3GPP TS 38.413 version 16.16.0 Release 16)	33.070.99	siječanj 2025.
ETSI TS 138413 V 17.11.0 *3GPP TS 38.413 Version 17.11.0 Release 17	5G – NG-RAN – NG Application Protocol (NGAP) (3GPP TS 38.413 version 17.11.0 Release 17)	33.070.99	siječanj 2025.
ETSI TS 138413 V 18.4.0 *3GPP TS 38.413 Version 18.4.0 Release 18	5G – NG-RAN – NG Application Protocol (NGAP) (3GPP TS 38.413 version 18.4.0 Release 18)	33.070.99	siječanj 2025.
ETSI TS 138423 V 17.11.0 *3GPP TS 38.423 Version 17.11.0 Release 17	5G – NG-RAN – Xn Application Protocol (XnAP) (3GPP TS 38.423 version 17.11.0 Release 17)	33.070.99	siječanj 2025.
ETSI TS 138423 V 18.4.0 *3GPP TS 38.423 Version 18.4.0 Release 18	5G – NG-RAN – Xn Application Protocol (XnAP) (3GPP TS 38.423 version 18.4.0 Release 18)	33.070.99	siječanj 2025.
ETSI TS 138455 V 16.14.0 *3GPP TS 38.455 Version 16.14.0 Release 16	5G – NG-RAN – NR Positioning Protocol A (NRPPa) (3GPP TS 38.455 version 16.14.0 Release 16)	33.070.99	siječanj 2025.
ETSI TS 138455 V 17.9.0 *3GPP TS 38.455 Version 17.9.0 Release 17	5G – NG-RAN – NR Positioning Protocol A (NRPPa) (3GPP TS 38.455 version 17.9.0 Release 17)	33.070.99	siječanj 2025.
ETSI TS 138455 V 18.4.0 *3GPP TS 38.455 Version 18.4.0 Release 18	5G – NG-RAN – NR Positioning Protocol A (NRPPa) (3GPP TS 38.455 version 18.4.0 Release 18)	33.070.99	siječanj 2025.
ETSI TS 138470 V 18.4.0 *3GPP TS 38.470 Version 18.4.0 Release 18	5G – NG-RAN – F1 general aspects and principles (3GPP TS 38.470 version 18.4.0 Release 18)	33.070.99	siječanj 2025.
ETSI TS 138473 V 16.20.0 *3GPP TS 38.473 Version 16.20.0 Release 16	5G – NG-RAN – F1 Application Protocol (F1AP) (3GPP TS 38.473 version 16.20.0 Release 16)	33.070.99	siječanj 2025.
ETSI TS 138473 V 17.11.0 *3GPP TS 38.473 Version 17.11.0 Release 17	5G – NG-RAN – F1 Application Protocol (F1AP) (3GPP TS 38.473 version 17.11.0 Release 17)	33.070.99	siječanj 2025.
ETSI TS 138473 V 18.4.0 *3GPP TS 38.473 Version 18.4.0 Release 18	5G – NG-RAN – F1 Application Protocol (F1AP) (3GPP TS 38.473 version 18.4.0 Release 18)	33.070.99	siječanj 2025.
ETSI EG 201788 V 2.2.1	Electromagnetic compatibility and Radio spectrum Matters (ERM) – Guidance for drafting an ETSI System Reference document (SRdoc)	33.100.10	siječanj 2025.
ETSI ES 203199 V 1.4.1	Environmental Engineering (EE) – Methodology for environmental Life Cycle Assessment (LCA) of Information and Communication Technology (ICT) goods, networks and services	33.040.01	siječanj 2025.
ETSI ES 204082 V 1.1.1	Environmental Engineering (EE) – An information model for digital product information on sustainability and circularity	33.040.01	siječanj 2025.
ETSI GS F5G 022 V 1.1.1	Fifth Generation Fixed Network (F5G) – Specification for PON based Industrial Network	33.070.50; 35.240.50	siječanj 2025.
ETSI GR CIM 052 V 1.1.1	Context Information Management (CIM) – VR and AR for Smart Learning: Guidelines for using NGSI-LD to train personnel in Smart Industries	35.240.99	siječanj 2025.

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI GR NFV-SEC 009 V 1.3.1	Network Functions Virtualisation (NFV) – NFV Security – Report on use cases and technical approaches for multi-layer host administration	35.110	siječanj 2025.
ETSI GR NFV 007 V 4.6.1	Network Functions Virtualisation (NFV) Release 4 – Release Description – Release 4 Edition 4.6.1	33.040.40; 35.110	siječanj 2025.
ETSI GR THz 004 V 1.1.1	TeraHertz technology (THz) – RF Hardware Modeling	33.020	siječanj 2025.
ETSI GS NFV-SOL 003 V 5.2.1	Network Functions Virtualisation (NFV) Release 5 – Protocols and Data Models – RESTful protocols specification for the Or-Vnfm Reference Point	33.040.40; 35.110	siječanj 2025.

## Međunarodna normizacija (ISO)

Oznaka norme	Naslov norme	ICS	Datum objave
IEC 80601-2-71	Medical electrical equipment – Part 2-71: Particular requirements for the basic safety and essential performance of functional near-infrared spectroscopy (NIRS) equipment	11.040.55	siječanj 2025.
ISO 2475	Chloroprene rubber (CR) – General-purpose types – Evaluation procedure	83.060	siječanj 2025.
ISO 3506-3	Fasteners – Mechanical properties of corrosion resistant stainless steel fasteners – Part 3: Set screws (and similar fasteners not under tensile stress) with specified grades and hardness classes	21.060.10	siječanj 2025.
ISO 3506-4	Fasteners – Mechanical properties of corrosion-resistant stainless steel fasteners – Part 4: Tapping screws with specified grades and hardness classes	21.060.10	siječanj 2025.
ISO 3518	Essential oil of sandalwood ( <i>Santalum album</i> L.)	71.100.60	siječanj 2025.
ISO 4254-20	Agricultural machinery – Safety – Part 20: Grape, olives and coffee harvesters	65.060.50	siječanj 2025.
ISO 4301-5	Cranes – Classification – Part 5: Bridge and gantry cranes	53.020.20	siječanj 2025.
ISO 5273	Passenger car tyres – Preparation method for an artificially worn state for wet grip testing	83.160.10	siječanj 2025.
ISO 5284	Conveyor belts – List of equivalent terms	01.040.53; 53.040.20	siječanj 2025.
ISO/PAS 5474-6	Electrically propelled road vehicles – Functional and safety requirements for power transfer between vehicle and external electric circuit – Part 6: Safety and interoperability requirements for heavy-duty vehicles in magnetic field wireless power transfer	43.120	siječanj 2025.
ISO 5530-1	Wheat flour – Physical characteristics of doughs – Part 1: Determination of water absorption and rheological properties using a farinograph	67.060	siječanj 2025.
ISO 5530-2	Wheat flour – Physical characteristics of doughs – Part 2: Determination of rheological properties using an extensograph	67.060	siječanj 2025.
ISO 5700	Tractors for agriculture and forestry – Roll-over protective structures – Static test method and acceptance conditions	65.060.10; 65.060.80	siječanj 2025.
ISO 5801 AMD 1	Fans – Performance testing using standardized airways – Amendment 1	23.120	siječanj 2025.
ISO/TR 5863	Integrative design of the building envelope – General principles	91.040.01	siječanj 2025.
ISO 6489-5 AMD 1	Agricultural vehicles – Mechanical connections between towed and towing vehicles – Part 5: Specifications for non-swivel clevis couplings – Amendment 1	65.060.10	siječanj 2025.
ISO 6579-4	Microbiology of the food chain – Horizontal method for the detection, enumeration and serotyping of <i>Salmonella</i> – Part 4: Identification of monophasic <i>Salmonella</i> Typhimurium (1,4,[5],12:i:-) by polymerase chain reaction (PCR)	07.100.30	siječanj 2025.
ISO 6900	Dried red jujubes – Specification and test methods	67.080.10	siječanj 2025.
ISO 7692	Ferrotitanium – Determination of titanium content – Titrimetric method	77.100	siječanj 2025.
ISO 7711-1 AMD 1	Dentistry – Diamond rotary instruments – Part 1: General requirements – Amendment 1	11.060.20	siječanj 2025.
ISO/TS 7815-1	Intelligent transport systems – Telematics applications for regulated commercial freight vehicles (TARV) using ITS stations – Part 1: Secure vehicle interface framework and architecture	03.220.20; 35.240.60	siječanj 2025.
ISO/TS 7815-2	Intelligent transport systems – Telematics applications for regulated commercial freight vehicles (TARV) using ITS stations – Part 2: Specification of the secure vehicle interface	03.220.20; 35.240.60	siječanj 2025.
ISO 8548-3	Prosthetics and orthotics – Limb deficiencies – Part 3: Method of describing the residual limb after upper limb amputation	11.040.40	siječanj 2025.
ISO 8601-2 AMD 1	Date and time – Representations for information interchange – Part 2: Extensions – Amendment 1: Canonical expressions, extensions to time scale components and date time arithmetic	01.140.30	siječanj 2025.

Oznaka norme	Naslov norme	ICS	Datum objave
ISO/CIE 8995-1	Light and lighting – Lighting of work places – Part 1: Indoor	13.180; 91.160.10	siječanj 2025.
ISO 9466	Railway applications – Coating of passenger rail vehicles	45.060.01	siječanj 2025.
ISO 10350-1	Plastics – Acquisition and presentation of comparable single-point data – Part 1: Moulding materials	83.080.20	siječanj 2025.
ISO 10993-4 AMD 1	Biological evaluation of medical devices – Part 4: Selection of tests for interactions with blood – Amendment 1	11.100.20	siječanj 2025.
ISO 11118	Gas cylinders – Non-refillable metallic gas cylinders – Specification and test methods	23.020.35	siječanj 2025.
ISO 11126-11	Preparation of steel substrates before application of paints and related products – Specifications for non-metallic blast-cleaning abrasives – Part 11: Volcanic lava	25.220.10	siječanj 2025.
ISO 11778	Brand evaluation – Tourism city	03.140; 03.200.01	siječanj 2025.
ISO/IEC TR 11801-9906	Information technology – Generic cabling for customer premises – Part 9906: Balanced 1-pair cabling channels up to 600 MHz for single pair Ethernet (SPE)	35.200	siječanj 2025.
ISO 11983	Road vehicles – Safety glazing materials – Test methods for electro-switchable glazing	43.040.65	siječanj 2025.
ISO 12046	Synchronous belt drives – Automotive belts – Determination of physical properties	21.220.10; 43.060.10	siječanj 2025.
ISO 12370	Guidelines for treatment and reuse of fermentation-based pharmaceutical wastewater	13.030.20; 13.030.50	siječanj 2025.
ISO 13315-2	Environmental management for concrete and concrete structures – Part 2: System boundary and inventory data	13.020.10; 91.080.40; 91.100.30	siječanj 2025.
ISO 13317-5	Determination of particle size distribution by gravitational liquid sedimentation methods – Part 5: Photosedimentation techniques	19.120	siječanj 2025.
ISO 13628-1	Oil and gas industries including low carbon energy – Design and operation of subsea production systems – Part 1: General requirements and recommendations	75.180.10	siječanj 2025.
ISO 14343	Welding consumables – Wire electrodes, strip electrodes, wires and rods for arc welding of stainless and heat resisting steels – Classification	25.160.20	siječanj 2025.
ISO/IEC 14496-15 AMD 1	Information technology – Coding of audio-visual objects – Part 15: Carriage of network abstraction layer (NAL) unit structured video in the ISO base media file format – Amendment 1: Support for neural-network post-filter supplemental enhancement information and other improvements	35.040.40	siječanj 2025.
ISO 14544	Fine ceramics (advanced ceramics, advanced technical ceramics) – Mechanical properties of ceramic composites at high temperature – Determination of compressive properties	81.060.30	siječanj 2025.
ISO 14574	Fine ceramics (advanced ceramics, advanced technical ceramics) – Mechanical properties of ceramic composites at high temperature – Determination of tensile properties	81.060.30	siječanj 2025.
ISO 14903	Refrigerating systems and heat pumps – Qualification of tightness of components and joints	27.080; 27.200	siječanj 2025.
ISO 15104	Space systems – Environmental testing for spacecraft thermal control materials	49.140	siječanj 2025.
ISO/IEC 15416	Automatic identification and data capture techniques – Bar code print quality test specification – Linear symbols	01.080.50; 35.040.50	siječanj 2025.
ISO/IEC 15434	Information technology – Automatic identification and data capture techniques – Syntax for high-capacity ADC media	35.040.50	siječanj 2025.
ISO 15708-2	Non-destructive testing – Radiation methods for computed tomography – Part 2: Principles, equipment and samples	19.100	siječanj 2025.
ISO/TS 15855	Copper, lead and zinc sulfide concentrates – Step-by-step procedure for the testing of static scales	73.060.99	siječanj 2025.
ISO 16173	Ships and marine technology – Jacking system appliances on self-elevating unit – Rack pinion leg fixation system	47.020.50	siječanj 2025.
ISO 16281	Rolling bearings – Methods for calculating the modified reference rating life for universally loaded rolling bearings	21.100.20	siječanj 2025.
ISO 16484-2	Building automation and control systems (BACS) – Part 2: Hardware	35.240.67; 91.040.01	siječanj 2025.



Oznaka norme	Naslov norme	ICS	Datum objave
ISO 16486-3	Plastics piping systems for the supply of gaseous fuels – Unplasticized polyamide (PA-U) piping systems with fusion jointing and mechanical jointing – Part 3: Fittings	75.200; 83.140.30	siječanj 2025.
ISO 16520	Tourism and related services – Restaurants and catering – Vocabulary	01.040.03; 03.080.30; 03.200.01	siječanj 2025.
ISO 16610-21	Geometrical product specifications (GPS) – Filtration – Part 21: Linear profile filters: Gaussian filters	17.040.20; 17.040.40	siječanj 2025.
ISO 16677-1	Biobanking – Germplasm – Part 1: Agricultural animal species	7.080	siječanj 2025.
ISO 16823	Non-destructive testing – Ultrasonic testing – Through-transmission technique	19.100	siječanj 2025.
ISO 16830	Specification of bamboo drinking straws	67.250	siječanj 2025.
ISO 16900-6 AMD 1	Respiratory protective devices – Methods of test and test equipment – Part 6: Mechanical resistance/strength of components and connections – Amendment 1	13.340.30	siječanj 2025.
ISO 16900-11	Respiratory protective devices – Methods of test and test equipment – Part 11: Determination of field of vision	13.340.30	siječanj 2025.
ISO 17506 AMD 1	Industrial automation systems and integration – COLLADATM digital asset schema specification for 3D visualization of industrial data – Amendment 1: Elements name and explanations	25.040.40	siječanj 2025.
ISO 17715	Flour from wheat ( <i>Triticum aestivum</i> L.) – Amperometric method for starch damage measurement	67.060	siječanj 2025.
ISO 17956	Rolling bearings – Method for calculating the effective static safety factor for universally loaded rolling bearings	21.100.20	siječanj 2025.
ISO/IEC 18046-5	Information technology – Radio frequency identification device performance test methods – Part 5: Test methods for the environmental characteristics of RFID tags used in sporting goods	35.040.50; 97.220.01	siječanj 2025.
ISO/IEC 18181-3	Information technology – JPEG XL image coding system – Part 3: Conformance testing	35.040.30	siječanj 2025.
ISO/TR 18228-5	Design using geosynthetics – Part 5: Stabilization	59.080.70	siječanj 2025.
ISO 18363-2	Animal and vegetable fats 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	67.200.10	siječanj 2025.
ISO 18436-3	Condition monitoring and diagnostics of machines – Requirements for training and certification of personnel – Part 3: Requirements for training bodies and the training process	03.100.30; 17.160	siječanj 2025.
ISO 18878	Mobile elevating work platforms – Operator training	03.100.30; 53.020.99	siječanj 2025.
ISO/TR 18961	Buildings and civil engineering works – Seismic resilience assessment and strategies – Compilation of relevant information	91.010.01; 91.120.25	siječanj 2025.
ISO 19168-1	Geographic information – Geospatial API for features – Part 1: Core	35.240.70	siječanj 2025.
ISO 19350	Recycled carbon fibre – Determination of tensile strength distribution and interfacial shear strength of single filament embedded in matrix polymer	59.100.20	siječanj 2025.
ISO/IEC 19566-7 AMD 1	Information technologies – JPEG systems – Part 7: JPEG linked media format (JLINK) – Amendment 1: Revision to the JLINK XMP expressions	35.040.30	siječanj 2025.
ISO 19618	Fine ceramics (advanced ceramics, advanced technical ceramics) – Measurement method for normal spectral emissivity using blackbody reference with an FTIR spectrometer	81.060.30	siječanj 2025.
ISO 19650-6	Organization and digitization of information about buildings and civil engineering works, including building information modelling (BIM) – Information management using building information modelling – Part 6: Health and safety information	35.240.67; 91.010.01; 93.010	siječanj 2025.
ISO 19952	Footwear – Vocabulary	01.040.61; 61.060	siječanj 2025.

Oznaka norme	Naslov norme	ICS	Datum objave
ISO 20468-9	Performance evaluation of treatment technologies for water reuse systems – Part 9: Guidelines and requirements for electro-chlorination	13.060.01	siječanj 2025.
ISO 20537	Footwear – Identification of defects during visual inspection – Vocabulary	01.040.61; 61.060	siječanj 2025.
ISO 20553	Radiation protection – Monitoring of workers occupationally exposed to a risk of internal contamination with radioactive material	13.280	siječanj 2025.
ISO 20679	Ships and marine technology – Marine environment protection – Testing of ship biofouling in-water cleaning systems	13.020.99; 47.020.99	siječanj 2025.
ISO 21036	Plastics piping systems for industrial applications – Unplasticized polyamide (PA-U) – Metric series for specifications for components and system	23.040.01	siječanj 2025.
ISO 21120	Machinery for forestry – Forestry mulching equipment – Terms, definitions and commercial specifications	01.040.65; 65.060.80	siječanj 2025.
ISO/TS 21219-13	Intelligent transport systems – Traffic and travel information via transport protocol experts group, generation 2 (TPEG2) – Part 13: Public transport information service (TPEG2-PTS)	03.220.01; 35.240.60	siječanj 2025.
ISO 21219-21	Intelligent transport systems – Traffic and travel information (TTI) via transport protocol experts group, generation 2 (TPEG2) – Part 21: Geographic location referencing (TPEG-GLR)	03.220.01; 03.220.20; 35.240.60	siječanj 2025.
ISO/TS 21343	Oil and gas industries including lower carbon energy – Fuel ammonia – Requirements and guidance for boilers for power generation	27.060.20; 29.160.20; 75.160.30	siječanj 2025.
ISO/IEC 21617-1	Information technology – JPEG Trust – Part 1: Core foundation	35.040.30	siječanj 2025.
ISO/TR 22126-2	Financial services – Semantic technology – Part 2: OWL representation of the ISO 20022 metamodel and e-repository	03.060; 35.240.40	siječanj 2025.
ISO/IEC 22592-3	Office equipment – Print quality measurement methods for colour prints – Part 3: Physical durability measurement methods	37.100.10	siječanj 2025.
ISO 22765	Nuclear fuel technology – Sintered (U,Pu)O <sub>2</sub> pellets – Guidance for ceramographic preparation for microstructure examination	27.120.30	siječanj 2025.
ISO 22854	Liquid petroleum products – Determination of hydrocarbon types and oxygenates in automotive-motor gasoline and in ethanol (E85) automotive fuel – Multidimensional gas chromatography method	75.080	siječanj 2025.
ISO 22863-13	Fireworks – Test methods for determination of specific chemical substances – Part 13: Qualitative detection of elemental metals in firework compositions	71.100.30	siječanj 2025.
ISO 22899-3	Determination of the resistance to jet fires of passive fire protection materials – Part 3: Extended test requirements	13.220.50	siječanj 2025.
ISO/IEC 23090-25	Information technology – Coded representation of immersive media – Part 25: Conformance and reference software for carriage of visual volumetric video-based coding data	35.040.40	siječanj 2025.
ISO/IEC 23090-31	Information technology – Coded representation of immersive media – Part 31: Haptics coding	35.040.40	siječanj 2025.
ISO/IEC 23092-1	Information technology – Genomic information representation – Part 1: Transport and storage of genomic information	35.040.99	siječanj 2025.
ISO/TS 23164	Automation systems and integration – Core vocabulary for industrial data	01.040.25; 25.040.01	siječanj 2025.
ISO/TR 23975	Traditional Chinese medicine – Priority list of single herbal medicines for developing standards	01.120; 11.120.10	siječanj 2025.
ISO/TR 24332	Information and documentation – Blockchain and distributed ledger technology (DLT) in relation to authoritative records, records systems and records management	01.140.20; 35.240.99	siječanj 2025.
ISO/TS 24399	Thermoplastic pipes for the conveyance of fluids – Inspection of polyethylene butt fusion joints using time of flight diffraction testing	23.040.20; 23.040.60	siječanj 2025.

Oznaka norme	Naslov norme	ICS	Datum objave
ISO 24617-12	Language resource management – Semantic annotation framework (SemAF) – Part 12: Quantification	1.020	siječanj 2025.
ISO/IEC TS 24718	Information technology – Programming languages – Guidance for the use of the Ada Ravenscar Profile in high integrity systems	35.060	siječanj 2025.
ISO 25062	Systems and software engineering – Systems and software Quality Requirements and Evaluation (SQuaRE) – Common Industry Format (CIF) for reporting usability evaluations	35.080	siječanj 2025.
ISO/TR 25221	Electronic fee collection – Image-based tolling systems – Measurable characteristics	03.220.20; 35.240.60	siječanj 2025.
ISO 32112	Transaction assurance in E-commerce – Relevant factors of evaluation and selection of indicators	03.080.30; 35.240.63	siječanj 2025.
ISO/TR 33402	Good practice in reference material preparation	71.040.30	siječanj 2025.
ISO/TR 42507	Sharing economy – Use cases of sharing economy platforms in the public sector	03.080.01; 35.240.63	siječanj 2025.
ISO/ASTM TS 52949	Additive manufacturing of metals – Qualification principles – Installation, operation and performance (IQ/OQ/PQ) of PBF-EB equipment	25.030	siječanj 2025.
ISO 56000	Innovation management – Fundamentals and vocabulary	01.040.03; 03.100.01; 03.100.40	siječanj 2025.
ISO/TS 81001-2-1	Health software and health IT systems safety, effectiveness and security – Part 2-1: Coordination – Guidance and requirements for the use of assurance cases for safety and security	35.240.80	siječanj 2025.
ISO/TS 81346-101	Industrial systems, installations and equipment and industrial products – Structuring principles and reference designations – Part 101: Modelling concepts, guidelines and requirements for power supply systems	1.110	siječanj 2025.

## Međunarodna normizacija (IEC)

Oznaka norme	Naslov norme	ICS	Datum objave
IEC 60086-4	Primary batteries – Part 4: Safety of lithium batteries	29.220.10	siječanj 2025.
IEC 60156	Insulating liquids – Determination of the breakdown voltage at power frequency – Test method	29.040.10	siječanj 2025.
IEC 60335-2-44 AMD 1	Household and similar electrical appliances – Safety – Part 2-44: Particular requirements for ironers; Amendment 1	97.060	siječanj 2025.
IEC 60335-2-44 Edition 4.1	Household and similar electrical appliances – Safety – Part 2-44: Particular requirements for ironers	97.060	siječanj 2025.
IEC 60335-2-78 AMD 1	Household and similar electrical appliances – Safety – Part 2-78: Particular requirements for outdoor barbecues; Amendment 1	13.120; 91.180; 97.040.20	siječanj 2025.
IEC 60335-2-78 Edition 3.1	Household and similar electrical appliances – Safety – Part 2-78: Particular requirements for outdoor barbecues	13.120; 91.180; 97.040.20	siječanj 2025.
IEC 60335-2-119 AMD 1	Household and similar electrical appliances – Safety – Part 2-119: Particular requirements for commercial vacuum packaging appliances; Amendment 1	13.120; 97.030	siječanj 2025.
IEC 60335-2-119 Edition 1.1	Household and similar electrical appliances – Safety – Part 2-119: Particular requirements for commercial vacuum packaging appliances	13.120; 97.030	siječanj 2025.
IEC 60601-2-16	Medical electrical equipment – Part 2-16: Particular requirements for the basic safety and essential performance of haemodialysis, haemodiafiltration and haemofiltration equipment	11.040.20; 11.040.25	siječanj 2025.
IEC 60704-2-4	Household and similar electrical appliances – Test code for the determination of airborne acoustical noise – Part 2-4: Particular requirements for washing machines and spin extractors	17.140.20; 97.060	siječanj 2025.
IEC 60851-1 AMD 1	Winding wires – Test methods – Part 1: General; Amendment 1	01.040.29; 29.060.10	siječanj 2025.
IEC 60851-1 Edition 3.1	Winding wires – Test methods – Part 1: General	01.040.29; 29.060.10	siječanj 2025.
IEC 61196-1-108	Coaxial communication cables – Part 1-108: Electrical test methods – Test for phase, phase constant, phase and group delay, propagation velocity, electrical length, and mean characteristic impedance	33.120.10	siječanj 2025.
IEC 61196-1-112	Coaxial communication cables – Part 1-112: Electrical test methods – Test for return loss and voltage standing wave ratio	33.120.10	siječanj 2025.
IEC 61400-3-2	Wind energy generation systems – Part 3-2: Design requirements for floating offshore wind turbines	27.180	siječanj 2025.
IEC 61669 AMD 1	Electroacoustics – Measurement of real-ear acoustical performance characteristics of hearing aids; Amendment 1	11.180.15; 17.140.50	siječanj 2025.
IEC 61669 Edition 2.1	Electroacoustics – Measurement of real-ear acoustical performance characteristics of hearing aids	11.180.15; 17.140.50	siječanj 2025.
IEC 61846	Ultrasonics – Therapeutic focused short pressure pulse sources – Characteristics of fields	11.040.50; 11.040.60	siječanj 2025.
IEC 61987-100	Industrial-process measurement and control – Data structures and elements in process equipment catalogues – Part 100: Data base standard for process measurement, control and automation equipment	25.040.40; 35.240.50	siječanj 2025.
IEC 62127-2	Ultrasonics – Hydrophones – Part 2: Calibration for ultrasonic fields	11.040.60; 17.140.50	siječanj 2025.
IEC/TS 62257-9-8	Renewable energy off-grid systems – Part 9-8: Integrated systems – Requirements for stand-alone renewable energy products with power ratings less than or equal to 350 W	27.160; 27.190	siječanj 2025.
IEC/TS 62443-6-2	Security for industrial automation and control systems – Part 6-2: Security evaluation methodology for IEC 62443-4-2	25.040.40; 35.030; 35.240.50	siječanj 2025.
IEC 62813	Lithium-ion capacitors for use in electric and electronic equipment – Test methods for electrical characteristics	31.060.99	siječanj 2025.
IEC 62841-4-8	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 4-8: Particular requirements for shredders/chippers	25.140.20; 65.060.70	siječanj 2025.
IEC 63310	Functional performance criteria for AAL robots used in connected home environment	11.180.01; 25.040.30; 97.120	siječanj 2025.

Oznaka norme	Naslov norme	ICS	Datum objave
IEC/TR 63340-1	Electronic displays for special applications – Part 1: General introduction	31.120	siječanj 2025.
IEC 63360	Fluids for electrotechnical application – Specification of gases alternative to SF6 to be used in electrical power equipment	29.040.20; 71.100.20	siječanj 2025.
IEC/TR 63411	Grid connection of offshore wind via VSC-HVDC systems	27.160; 27.180; 29.020	siječanj 2025.
IEC 63453	Railway applications – Current collection systems – Validation of simulation of the dynamic interaction between pantograph and overhead contact line	29.280; 45.060.01; 45.060.10	siječanj 2025.
IEC SRD 63460	Architecture and use-cases for EVs to provide grid support functions	27.010; 35.240.99; 43.120	siječanj 2025.
IEC/TR 63558	Automatic speech recognition: Classification according to acoustic and linguistic indicators in real-life applications	33.160.01; 33.160.99; 35.240.99	siječanj 2025.
IEC 80601-2-71	Medical electrical equipment – Part 2-71: Particular requirements for the basic safety and essential performance of functional near-infrared spectroscopy (NIRS) equipment	11.040.55	siječanj 2025.
ISO/IEC TR 11801-9906	Information technology – Generic cabling for customer premises – Part 9906: Balanced 1-pair cabling channels up to 600 MHz for single pair Ethernet (SPE)	35.200	siječanj 2025.
ISO/IEC 14496-15 AMD 1	Information technology – Coding of audio-visual objects – Part 15: Carriage of network abstraction layer (NAL) unit structured video in the ISO base media file format – Amendment 1: Support for neural-network post-filter supplemental enhancement information and other improvements	35.040.40	siječanj 2025.
ISO/IEC 15416	Automatic identification and data capture techniques – Bar code print quality test specification – Linear symbols	01.080.50; 35.040.50	siječanj 2025.
ISO/IEC 15434	Information technology – Automatic identification and data capture techniques – Syntax for high-capacity ADC media	35.040.50	siječanj 2025.
ISO/IEC 18046-5	Information technology – Radio frequency identification device performance test methods – Part 5: Test methods for the environmental characteristics of RFID tags used in sporting goods	35.040.50; 97.220.01	siječanj 2025.
ISO/IEC 18181-3	Information technology – JPEG XL image coding system – Part 3: Conformance testing	35.040.30	siječanj 2025.
ISO/IEC 19566-7 AMD 1	Information technologies – JPEG systems – Part 7: JPEG linked media format (JLINK) – Amendment 1: Revision to the JLINK XMP expressions	35.040.30	siječanj 2025.
ISO/IEC 21617-1	Information technology – JPEG Trust – Part 1: Core foundation	35.040.30	siječanj 2025.
ISO/IEC 22592-3	Office equipment – Print quality measurement methods for colour prints – Part 3: Physical durability measurement methods	37.100.10	siječanj 2025.
ISO/IEC 23090-25	Information technology – Coded representation of immersive media – Part 25: Conformance and reference software for carriage of visual volumetric video-based coding data	35.040.40	siječanj 2025.
ISO/IEC 23090-31	Information technology – Coded representation of immersive media – Part 31: Haptics coding	35.040.40	siječanj 2025.
ISO/IEC 23092-1	Information technology – Genomic information representation – Part 1: Transport and storage of genomic information	35.040.99	siječanj 2025.
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