

# 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

## Sadržaj:

<b>1</b>	<b>Rezultati hrvatske normizacije</b>	A3
1.1	Hrvatske norme	A3
1.2	Nacrti hrvatskih norma	A10
1.3	Prijedlozi za prihvaćanje stranih norma u izvorniku	A11
1.4	Povučene hrvatske norme	A17
1.5	Povučeni nacrti hrvatskih norma	
1.6	Ispravci hrvatskih norma	A24
1.7	Naslovi objavljenih hrvatskih norma na hrvatskome jeziku	
1.8	Drugi normativni dokumenti	
1.9	Opća izdanja HZN-a	
1.10	Prijevod hrvatskih normativnih dokumenata	
<b>2</b>	<b>Rezultati međunarodne i europske normizacije</b>	A26

# 1 Rezultati hrvatske normizacije

## 1.1 Hrvatske norme

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

Hrvatske norme mogu nastati na ova četiri načina:

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

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

### HZN/TO 8, Brodogradnja

HRN EN ISO 11812:2024 en pr  
Mala plovila – Vodonepropusni kokpiti i brzoprazneći kokpiti (ISO 11812:2020; EN ISO 11812:2024)  
Small craft – Watertight or quick-draining recesses and cockpits (ISO 11812:2020; EN ISO 11812:2024)

HRN EN ISO 11812:2024/A1:2024 en pr  
Mala plovila – Vodonepropusni kokpiti i brzoprazneći kokpiti (ISO 11812:2020/Amd 1:2024; EN ISO 11812:2024/A1:2024)  
Small craft – Watertight or quick-draining recesses and cockpits (ISO 11812:2020/Amd 1:2024; EN ISO 11812:2024/A1:2024)

HRN EN ISO 15085:2024 en pr  
Mala plovila – Zaštita osoba od pada s plovila i sredstva za ponovno ukrcavanje (ISO 15085:2024; EN ISO 15085:2024)  
Small craft – Protection from falling overboard and means of reboarding (ISO 15085:2024; EN ISO 15085:2024)

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

HRN ISO 8217:2024 en pr  
Proizvodi iz naftnih, sintetičkih i obnovljivih izvora – Goriva (razred F) – Specifikacije brodskih goriva (ISO 8217:2024)  
Products from petroleum, synthetic and renewable sources – Fuels (class F) – Specifications of marine fuels (ISO 8217:2024)

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

HRN EN ISO 712-1:2024 en pr  
Žitarice i proizvodi od žitarica – Određivanje količine vode – 1. dio: Referentna metoda (ISO 712-1:2024; EN ISO 712-1:2024)  
Cereals and cereal products – Determination of moisture content – Part 1: Reference method (ISO 712-1:2024; EN ISO 712-1:2024)

HRN EN ISO 712-2:2024 en pr  
Žitarice i proizvodi od žitarica – Određivanje količine vode – 2. dio: Metoda automatskog sušenja u peći (ISO 712-2:2024; EN ISO 712-2:2024)  
Cereals and cereal products – Determination of moisture content – Part 2: Automatic drying oven method (ISO 712-2:2024; EN ISO 712-2:2024)

HRN EN ISO 22000:2018/A1:2024 en pr  
Sustavi upravljanja sigurnošću hrane – Zahtjevi za svaku organizaciju u lancu hrane – Amandman 1: Aktivnosti koje se odnose na klimatske promjene (ISO 22000:2018/Amd 1:2024; EN ISO 22000:2018/A1:2024)  
Food safety management systems – Requirements for any organization in the food chain – Amendment 1: Climate action changes (ISO 22000:2018/Amd 1:2024; EN ISO 22000:2018/A1:2024)

HRN EN ISO 34101-1:2020/A1:2024 en pr  
Održivost i sljedivost kakaa – 1. dio: Zahtjevi za sustave upravljanja održivošću kakaa – Amandman 1: Aktivnosti koje se odnose na klimatske promjene (ISO 34101-1:2019/Amd 1:2024; EN ISO 34101-1:2020/A1:2024)  
Sustainable and traceable cocoa – Part 1: Requirements for cocoa sustainability management systems – Amendment 1: Climate action changes (ISO 34101-1:2019/Amd 1:2024; EN ISO 34101-1:2020/A1:2024)

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

HRN EN ISO 544:2024 en pr  
Dodatni i potrošni materijali za zavarivanje – Tehnički uvjeti isporuke za dodatne materijale za zavarivanje – Vrsta proizvoda, dimenzije, dopuštena odstupanja i označavanje (ISO 544:2024; EN ISO 544:2024)  
Welding consumables – Technical delivery conditions for filler materials and fluxes – Type of product, dimensions, tolerances and markings (ISO 544:2024; EN ISO 544:2024)

HRN EN ISO 7287:2003/A1:2024 en pr  
Grafički simboli za opremu za toplinsko rezanje (ISO 7287:2002/Amd 1:2024; EN ISO 7287:2002/A1:2024)  
Graphical symbols for thermal cutting equipment (ISO 7287:2002/Amd 1:2024; EN ISO 7287:2002/A1:2024)

HRN EN ISO 9013:2017/A1:2024 en pr  
Toplinsko rezanje – Razredba rezova – Geometrijska specifikacija proizvoda i dopuštena odstupanja kvalitete (ISO 9013:2017/Amd 1:2024; EN ISO 9013:2017/A1:2024)  
Thermal cutting – Classification of thermal cuts – Geometrical product specification and quality tolerances (ISO 9013:2017/Amd 1:2024; EN ISO 9013:2017/A1:2024)

HRN EN ISO 14344:2024 en pr  
Dodatni i potrošni materijali za zavarivanje – Nabavka dodatnih materijala i praškova (ISO 14344:2024; EN ISO 14344:2024)  
Welding consumables – Procurement of filler materials and fluxes (ISO 14344:2024; EN ISO 14344:2024)

HRN EN ISO 15614-5:2024 en pr  
Specifikacija i kvalifikacija postupaka zavarivanja za metalne materijale – Ispitivanje postupka zavarivanja – 5. dio: Elektrolučno zavarivanje titanija, cirkonija i njihovih legura (ISO 15614-5:2024; EN ISO 15614-5:2024)  
Specification and qualification of welding procedures for metallic materials – Welding procedure test – Part 5: Arc welding of titanium, zirconium and their alloys (ISO 15614-5:2024; EN ISO 15614-5:2024)

HRN EN 17942:2024 en pr  
Zavarivanje i srodni postupci – Oprema za plinsko zavarivanje – Sigurnosni zahtjevi za opremu za toplinske postupke s opremom za plinsko zavarivanje otvorenim plamenom (EN 17942:2024)  
Welding and allied processes – Gas welding equipment – Safety requirements for thermoprocess equipment with open firing oxy-fuel gas welding equipment (EN 17942:2024)

### HZN/TO 92, Zaštita od požara

HRN EN 1366-10:2024 en pr  
Ispitivanja otpornosti na požar servisnih instalacija – 10. dio: Zaklopke za upravljanje dimom (EN 1366-10:2022+A1:2024)  
Fire resistance tests for service installations – Part 10: Smoke control dampers (EN 1366-10:2022+A1:2024)

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

HRN ISO 4906:2024 en pr  
Duhan i duhanski proizvodi – Određivanje snage punjenja za izradu proizvoda za pušenje od fino rezanog duhana – Primjena tlaka konstantnim opterećenjem (ISO 4906:2024)  
Tobacco and tobacco products – Determination of filling power for preparation of fine-cut smoking articles – Constant-weight pressurization (ISO 4906:2024)

HRN EN 16156:2024 en pr  
Cigarete – Ocjenjivanje svojstva zapaljivosti – Sigurnosni zahtjevi (EN 16156:2024)  
Cigarettes – Assessment of the ignition propensity – Safety requirement (EN 16156:2024)

### HZN/TO 136, Namještaj

HRN EN 15338:2024 en pr  
Okov za namještaj – Čvrstoća i izdržljivost izvlačnih elemenata i njihovih dijelova (EN 15338:2024)  
Hardware for furniture – Strength and durability of extension elements and their components (EN 15338:2024)

### HZN/TO 146, Kvaliteta zraka

HRN ISO 7935:2024 en pr  
Emisije iz nepokretnih izvora – Određivanje masene koncentracije sumporovog dioksida u otpadnim plinovima – Radne značajke automatskih mjernih sustava (ISO 7935:2024)  
Stationary source emissions – Determination of the mass concentration of sulfur dioxide in flue gases – Performance characteristics of automated measuring systems (ISO 7935:2024)

HRN ISO 12141:2024 en pr  
Emisije iz nepokretnih izvora – Određivanje niskih vrijednosti masene koncentracije prašine – Ručna gravimetrijska metoda (ISO 12141:2024)  
Stationary source emissions – Determination of low range mass concentration of dust – Manual gravimetric method (ISO 12141:2024)

HRS CEN/TS 18040:2024 en pr  
Emisije iz nepokretnih izvora – Određivanje masene koncentracije formaldehida – Automatska metoda (CEN/TS 18040:2024)  
Stationary source emissions – Determination of the mass concentration of formaldehyde – Automatic method (CEN/TS 18040:2024)

HRS CEN/TS 18044:2024 en pr  
Vanjski zrak – Određivanje koncentracije levoglukozana – Kromatografska metoda (CEN/TS 18044:2024)  
Ambient air – Determination of the concentration of levoglucosan – Chromatographic method (CEN/TS 18044:2024)

HRI CEN/TR 18076:2024 en pr  
Vanjski zrak – Ekvivalentnost automatskih mjerenja elementarnog ugljika (EC) i organskog ugljika (OC) u PM česticama (CEN/TR 18076:2024)  
Ambient air – Equivalence of automatic measurements of elemental carbon (EC) and organic carbon (OC) in PM (CEN/TR 18076:2024)

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

HRN EN ISO 14001:2015/A1:2024 en pr  
Sustavi upravljanja okolišem – Zahtjevi s uputama za uporabu – Amandman 1: Aktivnosti koje se odnose na klimatske promjene (ISO 14001:2015/Amd 1:2024; EN ISO 14001:2015/A1:2024)  
Environmental management systems – Requirements with guidance for use – Amendment 1: Climate action changes (ISO 14001:2015/Amd 1:2024; EN ISO 14001:2015/A1:2024)

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

HRN EN ISO 21860:2024 en pr  
Zdravstvena informatika – Portfolio referentnih normi (RSP) – Kliničko snimanje (ISO 21860:2020; EN ISO 21860:2024)  
Health Informatics – Reference standards portfolio (RSP) – Clinical imaging (ISO 21860:2020; EN ISO 21860:2024)

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

HRS CEN/TS 17445:2024 en pr  
Geosintetici – Standardno ispitivanje za simulaciju erozije izazvane padalinama na površini padine zaštićene geosintetičkim proizvodima za kontrolu erozije (CEN/TS 17445:2021)  
Geosynthetics – Standard test for the simulation of rainfall-induced erosion on the surface of a slope protected by geosynthetic erosion control products (CEN/TS 17445:2021)

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

HRN EN ISO 24808:2024/A11:2024 en pr  
Usluge rekreativnog ronjenja – Zahtjevi za obuku instruktora ronjenja s aparatom zatvorenog kruga (rebreather) (EN ISO 24808:2024/A11:2024)  
Recreational diving services – Requirements for rebreather instructor training (EN ISO 24808:2024/A11:2024)

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

HRN EN ISO 50001:2018/A1:2024 en pr  
Sustavi upravljanja energijom – Zahtjevi s uputama za uporabu – Amandman 1: Aktivnosti koje se odnose na klimatske promjene (ISO 50001:2018/Amd 1:2024; EN ISO 50001:2018/A1:2024)  
Energy management systems – Requirements with guidance for use – Amendment 1: Climate action changes (ISO 50001:2018/Amd 1:2024; EN ISO 50001:2018/A1:2024)

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

HRN EN 603-2:2024 en pr  
Aluminij i aluminijeve legure – Istisnuti ili valjani materijal namijenjen kovanju – 2. dio: Mehanička svojstva (EN 603-2:2024)  
Aluminium and aluminium alloys – Wrought forging stock – Part 2: Mechanical properties (EN 603-2:2024)

HRN EN ISO 9658:2024 en pr  
Čelik – Određivanje sadržaja aluminija – Spektrometrijska metoda atomske apsorpcije plamena (ISO 9658:2024; EN ISO 9658:2024)  
Steel – Determination of aluminium content – Flame atomic absorption spectrometric method (ISO 9658:2024; EN ISO 9658:2024)

HRN EN 10088-2:2024 en pr  
Nehrđajući čelici – 2. dio: Tehnički uvjeti isporuke za limove/ ploče i trake od korozijski postojećih čelika za opće namjene (EN 10088-2:2024)  
Stainless steels – Part 2: Technical delivery conditions for sheet/plate and strip of corrosion resisting steels for general purposes (EN 10088-2:2024)

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

HRN EN 334:2024 en pr  
Regulatori tlaka za ulazni tlak plina do 10 MPa (100 bar) (EN 334:2019+A1:2024)  
Gas pressure regulators for inlet pressure up to 10 MPa (100 bar) (EN 334:2019+A1:2024)

HRN EN 14382:2024 en pr  
Sigurnosni zaporni uređaji za ulazni tlak plina do 10 MPa (100 bar) (EN 14382:2019+A1:2024)  
Gas safety shut-off devices for inlet pressure up to 10 MPa (100 bar) (EN 14382:2019+A1:2024)

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

HRN EN ISO 10427-1:2024 en pr  
Industrije nafte i plina uključujući energiju s niskim udjelom ugljika – Oprema za cementiranje bušotina – 1. dio : Opužni centralizer za kolonu zaštitne cijevi (ISO 10427-1:2024; EN ISO 10427-1:2024)  
Oil and gas industries including lower carbon energy – Equipment for well cementing – Part 1: Casing bow-spring centralizers (ISO 10427-1:2024; EN ISO 10427-1:2024)

HRN EN ISO 23936-4:2024 en pr  
Industrije nafte i plina uključujući energiju s niskim udjelom ugljika – Nemetalni materijali u kontaktu s medijima koji se upotrebljavaju u proizvodnji nafte i plina – 4. dio: Kompozitni materijali ojačani vlaknima (ISO 23936-4:2024; EN ISO 23936-4:2024)  
Oil and gas industries including lower carbon energy – Nonmetallic materials in contact with media related to oil and gas production – Part 4: Fiber-reinforced composite materials (ISO 23936-4:2024; EN ISO 23936-4:2024)

HRN EN ISO 29001:2020/A1:2024 en pr  
Industrija nafte, petrokemije i prirodnog plina – Sektorski sustavi upravljanja kvalitetom – Zahtjevi za organizacije koje isporučuju proizvode i usluge – Amandman 1: Aktivnosti koje se odnose na klimatske promjene (ISO 29001:2020/Amd 1:2024; EN ISO 29001:2020/A1:2024)  
Petroleum, petrochemical and natural gas industries – Sector-specific quality management systems – Requirements for product and service supply organizations – Amendment 1: Climate action changes (ISO 29001:2020/Amd 1:2024; EN ISO 29001:2020/A1:2024)

### **HZN/TO 521, Usluge održavanja**

HRN EN ISO 41001:2018/A1:2024 en pr  
Upravljanje objektima – Sustavi upravljanja – Zahtjevi sa smjernicama za uporabu – Amandman 1: Aktivnosti koje se odnose na klimatske promjene (ISO 41001:2018/Amd 1:2024; EN ISO 41001:2018/A1:2024)  
Facility management – Management systems – Requirements with guidance for use – Amendment 1: Climate action changes (ISO 41001:2018/Amd 1:2024; EN ISO 41001:2018/A1:2024)

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

HRN EN 17235:2024 en pr  
Stalne sidrene naprave i sigurnosne kuke (EN 17235:2024)  
Permanent anchor devices and safety hooks (EN 17235:2024)

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

HRS CEN/TS 15427-1-2:2024 en pr  
Željeznički sustav – Upravljanje trenjem između kotača i tračnica – Dio 1-2: Oprema i primjena – Sredstva za gornju površinu tračnica (CEN/TS 15427-1-2:2023)  
Railway applications – Wheel/rail friction management – Part 1-2: Equipment and application – Top of rail (CEN/TS 15427-1-2:2023)

HRS CEN/TS 15427-1-3:2024 en pr  
Željeznički sustav – Upravljanje trenjem između kotača i tračnica – Dio 1-3: Oprema i primjena – Adhezijski materijali (CEN/TS 15427-1-3:2023)  
Railway applications – Wheel/rail friction management – Part 1-3: Equipment and application – Adhesion materials (CEN/TS 15427-1-3:2023)

HRS CEN/TS 15427-2-2:2024 en pr  
Željeznički sustav – Upravljanje trenjem između kotača i tračnica – Dio 2-2: Svojstva i značajke – Sredstva za gornju površinu tračnica (CEN/TS 15427-2-2:2023)  
Railway applications – Wheel/rail friction management – Part 2-2: Properties and characteristics – Top of rail materials (CEN/TS 15427-2-2:2023)

HRS CEN/TS 15427-2-3:2024 en pr  
Željeznički sustav – Upravljanje trenjem između kotača i tračnica – Dio 2-3: Svojstva i značajke – Adhezijski materijali (CEN/TS 15427-2-3:2023)  
Railway applications – Wheel/rail friction management – Part 2-3: Properties and Characteristics – Adhesion materials (CEN/TS 15427-2-3:2023)

HRN EN 15624:2024 en pr  
Željeznički sustav – Kočenje – Mjenjač prazno-tovareno (EN 15624:2021+A1:2024)  
Railway applications – Braking – Empty-loaded changeover devices (EN 15624:2021+A1:2024)

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

HRN EN ISO 9773:2024 en pr  
Plastika – Određivanje ponašanja pri gorenju tankih, savitljivih vertikalnih ispitaka u dodiru s izvorom gorenja s malim plamenom (ISO 9773:2024; EN ISO 9773:2024)  
Plastics – Determination of burning behaviour of thin flexible vertical specimens in contact with a small-flame ignition source (ISO 9773:2024; EN ISO 9773:2024)

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

HRN EN ISO 21012:2024 en pr  
Kriogenične posude – Crijeva (ISO 21012:2024; EN ISO 21012:2024)  
Cryogenic vessels – Hoses (ISO 21012:2024; EN ISO 21012:2024)

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

HRN EN ISO 5463:2024 en pr  
Geometrijske specifikacije proizvoda (GSP) – Mjerni instrumenti s okretnom osi – Konstrukcijske i mjeriteljske značajke (ISO 5463:2024; EN ISO 5463:2024)  
Geometrical product specifications (GPS) – Rotary axis form-measuring instruments – Design and metrological characteristics (ISO 5463:2024; EN ISO 5463:2024)

HRN EN ISO 24096-1:2024 en pr  
Tehnička dokumentacija proizvoda (TPD) – Klasifikacija zahtjeva – 1. dio: Okvir (ISO 24096-1:2024; EN ISO 24096-1:2024)  
Technical product documentation (TPD) – Classification of requirements – Part 1: Framework (ISO 24096-1:2024; EN ISO 24096-1:2024)

HRN EN ISO 24096-2:2024 en pr  
Tehnička dokumentacija proizvoda (TPD) – Klasifikacija zahtjeva – 2. dio: Klasifikacija na temelju težine i osjetljivosti (ISO 24096-2:2024; EN ISO 24096-2:2024)  
Technical product documentation (TPD) – Classification of requirements – Part 2: Classification based on severity and susceptibility (ISO 24096-2:2024; EN ISO 24096-2:2024)

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

HRN ISO 7905-4:2024 en pr  
Klizni ležajevi – Zamor materijala ležaja – 4. dio: Ispitivanja poluležajeva izrađenih od metalnog višeslojnog materijala ležaja (ISO 7905-4:2022)  
Plain bearings – Bearing fatigue – Part 4: Tests on half-bearings of a metallic multilayer bearing material (ISO 7905-4:2022)

HRN ISO 16287:2024 en pr  
Klizni ležajevi – Plastomerne blazinice – Izmjere i tolerancije (ISO 16287:2021)  
Plain bearings – Thermoplastic bushes – Dimensions and tolerances (ISO 16287:2021)

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

HRN EN 1996-1-2:2024 en pr  
Eurokod 6 – Projektiranje zidanih konstrukcija – Dio 1-2: Proračun konstrukcija na djelovanje požara (EN 1996-1-2:2024)  
Eurocode 6 – Design of masonry structures – Part 1-2: Structural fire design (EN 1996-1-2:2024)

HRN EN 1996-2:2024 en pr  
Eurokod 6 – Projektiranje zidanih konstrukcija – 2. dio: Konstruiranje, odabir materijala i izvedba zida (EN 1996-2:2024)  
Eurocode 6 – Design of masonry structures – Part 2: Design considerations, selection of materials and execution (EN 1996-2:2024)

HRN EN 1997-1:2024 en pr  
Eurokod 7 – Geotehničko projektiranje – 1. dio: Opća pravila (EN 1997-1:2024)  
Eurocode 7 – Geotechnical design – Part 1: General rules (EN 1997-1:2024)

HRN EN 1997-2:2024 en pr  
Eurokod 7 – Geotehničko projektiranje – 2. dio: Svojstva temeljnog tla (EN 1997-2:2024)  
Eurocode 7 – Geotechnical design – Part 2: Ground properties (EN 1997-2:2024)

HRN EN 1998-1-1:2024 en pr  
Eurokod 8 – Projektiranje potresne otpornosti konstrukcija – Dio 1-1: Opća pravila i potresna djelovanja (EN 1998-1-1:2024)  
Eurocode 8 – Design of structures for earthquake resistance – Part 1-1: General rules and seismic action (EN 1998-1-1:2024)

HRN EN 1998-5:2024 en pr  
Eurokod 8 – Projektiranje potresne otpornosti konstrukcija – 5. dio: Geotehnička pitanja, temelji, potporne i podzemne konstrukcije (EN 1998-5:2024)  
Eurocode 8 – Design of structures for earthquake resistance – Part 5: Geotechnical aspects, foundations, retaining and underground structures (EN 1998-5:2024)

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

HRN EN 817:2024 en pr  
Sanitarne armature – Mehaničke miješalice (PN 10) – Opće tehničke specifikacije (EN 817:2024)  
Sanitary tapware – Mechanical mixing valves (PN 10) – General technical specifications (EN 817:2024)

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

HRN EN 353-2:2024 en pr  
Osobna zaštitna oprema protiv pada s visine – 2. dio: Naprave za zaustavljanje pada s vodicom uključujući prilagodljivu sidrenu liniju (EN 353-2:2024)  
Personal fall protection equipment – Part 2: Guided type fall arresters including a flexible anchor line (EN 353-2:2024)

HRN EN ISO 12312-1:2022/A11:2024 en pr  
Zaštita očiju i lica – Sunčane naočale i očna pomagala – 1. dio: Sunčane naočale za opću uporabu (EN ISO 12312-1:2022/A11:2024)  
Eye and face protection – Sunglasses and related eyewear – Part 1: Sunglasses for general use (EN ISO 12312-1:2022/A11:2024)

HRN EN ISO 45001:2023/A1:2024 en pr  
Sustavi upravljanja zaštitom zdravlja i sigurnosti pri radu – Zahtjevi s uputama za uporabu – Amandman 1: Aktivnosti koje se odnose na klimatske promjene (ISO 45001:2018/Amd 1:2024; EN ISO 45001:2023/A1:2024)  
Occupational health and safety management systems – Requirements with guidance for use – Amendment 1: Climate action changes (ISO 45001:2018/Amd 1:2024; EN ISO 45001:2023/A1:2024)

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

HRN EN ISO 2411:2024 en pr  
Plošni tekstil naslojen gumom ili plastikom – Određivanje adhezije naslojavanja (ISO 2411:2024; EN ISO 2411:2024)  
Rubber- or plastics-coated fabrics – Determination of coating adhesion (ISO 2411:2024; EN ISO 2411:2024)

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

HRN EN 13445-11:2024 en pr  
Neložene posude pod tlakom – 11. dio: Dodatni zahtjevi za posude pod tlakom od titanija i legura titanija (EN 13445-11:2024)  
Unfired pressure vessels – Part 11: Additional requirements for pressure vessels of titanium and titanium alloys (EN 13445-11:2024)

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

HRN EN ISO 16140-2:2016/A1:2024 en pr  
Mikrobiologija u lancu hrane – Validacija metode – 2. dio: Protokol za validaciju alternativnih metoda prema referentnoj metodi (ISO 16140-2:2016/Amd 1:2024; EN ISO 16140-2:2016/A1:2024)  
Microbiology of the food chain – Method validation – Part 2: Protocol for the validation of alternative (proprietary) methods against a reference method (ISO 16140-2:2016/Amd 1:2024; EN ISO 16140-2:2016/A1:2024)

HRN EN ISO 16140-4:2020/A1:2024 en pr  
Mikrobiologija u lancu hrane – Validacija metode – 4. dio: Protokol za validaciju metoda u jednom laboratoriju – Amandman 1: Validacija veće količine ispitnog dijela uzorka za kvalitativne metode (ISO 16140-4:2020/Amd 1:2024; EN ISO 16140-4:2020/A1:2024)  
Microbiology of the food chain – Method validation – Part 4: Protocol for method validation in a single laboratory – Amendment 1: Validation of a larger test portion size for qualitative methods (ISO 16140-4:2020/Amd 1:2024; EN ISO 16140-4:2020/A1:2024)

HRN EN ISO 17174:2024 en pr  
Analiza molekularnih biomarkera – Barkodiranje DNK ribe i proizvoda od ribe pomoću definiranih segmenata mitohondrijskog gena podjedinice 1 citokrom b i citokrom c oksidaze (ISO 17174:2024; EN ISO 17174:2024)  
Molecular biomarker analysis – DNA barcoding of fish and fish products using defined mitochondrial cytochrome b and cytochrome c oxidase I gene segments (ISO 17174:2024; EN ISO 17174:2024)

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

HRN EN ISO 9001:2015/A1:2024 en pr  
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)

HRN EN ISO 15378:2017/A1:2024 en pr  
Materijali za unutarnje pakiranje lijekova – Posebni zahtjevi za primjenu norme ISO 9001:2015 u odnosu na "dobru proizvođačku praksu" (DPP) (GMP) – Amandman 1: Aktivnosti koje se odnose na klimatske promjene (ISO 15378:2017/Amd 1:2024; EN ISO 15378:2017/A1:2024)  
Primary packaging materials for medicinal products – Particular requirements for the application of ISO 9001:2015, with reference to good manufacturing practice (GMP) – Amendment 1: Climate action changes (ISO 15378:2017/Amd 1:2024; EN ISO 15378:2017/A1:2024)

HRN EN ISO 56001:2024 en pr  
Upravljanje inovacijama – Zahtjevi (ISO 56001:2024; EN ISO 56001:2024)  
Innovation management – Requirements (ISO 56001:2024; EN ISO 56001:2024)

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

HRN EN ISO 22301:2019/A1:2024 en pr  
Sigurnost i otpornost – Sustavi upravljanja neprekidnošću poslovanja – Zahtjevi – Amandman 1: Aktivnosti koje se odnose na klimatske promjene (ISO 22301:2019/Amd 1:2024; EN ISO 22301:2019/A1:2024)  
Security and resilience – Business continuity management systems – Requirements – Amendment 1: Climate action changes (ISO 22301:2019/Amd 1:2024; EN ISO 22301:2019/A1:2024)

HRN EN ISO/IEC 27001:2023/A1:2024 en pr  
Informacijska sigurnost, kibernetička sigurnost i zaštita privatnosti – Sustavi upravljanja informacijskom sigurnošću – Zahtjevi – Amandman 1: Aktivnosti koje se odnose na klimatske promjene (ISO/IEC 27001:2022/Amd 1:2024; EN ISO/IEC 27001:2023/A1:2024)  
Information security, cybersecurity and privacy protection – Information security management systems – Requirements – Amendment 1: Climate action changes (ISO/IEC 27001:2022/Amd 1:2024; ISO/IEC 27001:2023/A1:2024)

## **HZN/TO 584, *Održivi gradovi i zajednice***

HRN EN ISO 37101:2022/A1:2024 en pr  
Održivi razvoj u zajednicama – Sustav upravljanja održivim razvojem – Zahtjevi sa smjernicama za primjenu – Amandman 1: Aktivnosti koje se odnose na klimatske promjene (ISO 37101:2016/Amd 1:2024; EN ISO 37101:2022/A1:2024)  
Sustainable development in communities – Management system for sustainable development – Requirements with guidance for use – Amendment 1: Climate action changes (ISO 37101:2016/Amd 1:2024; EN ISO 37101:2022/A1:2024)

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

HRN EN IEC 62271-100:2021/A1:2024 en pr  
Visokonaponska sklopna aparatura – 100. dio: Prekidači izmjenične struje (IEC 62271-100:2021/am1:2024; EN IEC 62271-100:2021/A1:2024)  
High-voltage switchgear and controlgear – Part 100: Alternating-current circuit-breakers (IEC 62271-100:2021/am1:2024; EN IEC 62271-100:2021/A1:2024)

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

HRN EN 50620:2017/A2:2024 en pr  
Električni kabeli – Kabeli za punjenje električnih vozila (EN 50620:2017/A2:2024)  
Electric cables – Charging cables for electric vehicles (EN 50620:2017/A2:2024)

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

HRN EN IEC 61084-1:2024 en pr  
Sustavi za nošenje i vođenje kabela za električne instalacije – 1. dio: Opći zahtjevi (IEC 61084-1:2017; EN IEC 61084-1:2024)  
Cable trunking systems and cable ducting systems for electrical installations – Part 1: General requirements (IEC 61084-1:2017; EN IEC 61084-1:2024)

HRN EN IEC 61084-1:2024/A11:2024 en pr  
Sustavi za nošenje i vođenje kabela za električne instalacije – 1. dio: Opći zahtjevi (EN IEC 61084-1:2024/A11:2024)  
Cable trunking systems and cable ducting systems for electrical installations – Part 1: General requirements (EN IEC 61084-1:2024/A11:2024)

HRN EN IEC 61084-2-1:2024 en pr  
Sustavi za nošenje i vođenje kabela za električne instalacije – Dio 2-1: Posebni zahtjevi – Sustavi za nošenje i vođenje kabela namijenjeni ugradnji na zidove i stropove (IEC 61084-2-1:2017; EN IEC 61084-2-1:2024)  
Cable trunking systems and cable ducting systems for electrical installations – Part 2-1: Particular requirements – Cable trunking systems and cable ducting systems intended for mounting on walls and ceilings (IEC 61084-2-1:2017; EN IEC 61084-2-1:2024)

HRN EN IEC 61084-2-1:2024/A11:2024 en pr  
Sustavi za nošenje i vođenje kabela za električne instalacije – Dio 2-1: Posebni zahtjevi – Sustavi za nošenje i vođenje kabela namijenjeni ugradbi na zidove i stropove (EN IEC 61084-2-1:2024/A11:2024)  
Cable trunking systems and cable ducting systems for electrical installations – Part 2-1: Particular requirements – Cable trunking systems and cable ducting systems intended for mounting on walls and ceilings (EN IEC 61084-2-1:2024/A11:2024)

HRN EN IEC 61084-2-2:2024 en pr  
Sustavi za nošenje i vođenje kabela za električne instalacije – Dio 2-2: Posebni zahtjevi za sustave za nošenje i vođenje kabela namijenjene za ugradnju ispod poda, u razini poda ili na pod (IEC 61084-2-2:2017; EN IEC 61084-2-2:2024)  
Cable trunking systems and cable ducting systems for electrical installations – Part 2-2: Particular requirements – Cable trunking systems and cable ducting systems intended for mounting underfloor, flushfloor, or onfloor (IEC 61084-2-2:2017; EN IEC 61084-2-2:2024)

HRN EN IEC 61084-2-2:2024/A11:2024 en pr  
Sustavi za nošenje i vođenje kabela za električne instalacije – Dio 2-2: Posebni zahtjevi za sustave za nošenje i vođenje kabela namijenjene za ugradnju ispod poda, u razini poda ili na pod (EN IEC 61084-2-2:2024/A11:2024)  
Cable trunking systems and cable ducting systems for electrical installations – Part 2-2: Particular requirements – Part 2-2: Particular requirements – Cable trunking systems and cable ducting systems intended for mounting underfloor, flushfloor, or onfloor (EN IEC 61084-2-2:2024/A11:2024)

HRN EN IEC 61084-2-3:2024 en pr  
Sustavi za nošenje i vođenje kabela za električne instalacije – Dio 2-3: Posebni zahtjevi za češljaste sustave za nošenje kabela, namijenjene za instaliranje u razvodne ormariće (IEC 61084-2-3:2017; EN IEC 61084-2-3:2024)  
Cable trunking systems and cable ducting systems for electrical installations – Part 2-3: Particular requirements – Slotted cable trunking systems intended for installation in cabinets (IEC 61084-2-3:2017; EN IEC 61084-2-3:2024)

HRN EN IEC 61084-2-3:2024/A11:2024 en pr  
Sustavi za nošenje i vođenje kabela za električne instalacije – Dio 2-3: Posebni zahtjevi za češljaste sustave za nošenje kabela, namijenjene za instaliranje u razvodne ormariće (EN IEC 61084-2-3:2024/A11:2024)  
Cable trunking systems and cable ducting systems for electrical installations – Part 2-3: Particular requirements – Slotted cable trunking systems intended for installation in cabinets (EN IEC 61084-2-3:2024/A11:2024)

HRN EN IEC 61084-2-4:2024 en pr  
Sustavi za nošenje i vođenje kabela za električne instalacije – Dio 2-4: Posebni zahtjevi za stupiće s elektroinstalacijskim priborom (IEC 61084-2-4:2017; EN IEC 61084-2-4:2024)  
Cable trunking systems and cable ducting systems for electrical installations – Part 2-4: Particular requirements – Service poles and service posts (IEC 61084-2-4:2017; EN IEC 61084-2-4:2024)

HRN EN IEC 61084-2-4:2024/A11:2024 en pr  
Sustavi za nošenje i vođenje kabela za električne instalacije – Dio 2-4: Posebni zahtjevi za stupiće s elektroinstalacijskim priborom (EN IEC 61084-2-4:2024/A11:2024)  
Cable trunking systems and cable ducting systems for electrical installations – Part 2-4: Particular requirements – Service poles and service posts (EN IEC 61084-2-4:2024/A11:2024)

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

HRN EN 60400:2017/A2:2024 en pr  
Grla za fluorescentne cijevi i startere (IEC 60400:2017/am2:2022; EN 60400:2017/A2:2024)  
Lampholders for tubular fluorescent lamps and starterholders (IEC 60400:2017/am2:2022; EN 60400:2017/A2:2024)

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

HRN EN IEC 60300-3-14:2024 en pr  
Upravljanje pouzdanošću – Dio 3-14: Upute za primjenu – Mogućnost podržavanja i podrška (IEC 60300-3-14:2024; EN IEC 60300-3-14:2024)  
Dependability management – Part 3-14: Application guide – Supportability and support (IEC 60300-3-14:2024; EN IEC 60300-3-14:2024)

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

HRN EN 60601-2-10:2015/A2:2024 en pr  
Medicinska električna oprema – Dio 2-10: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke stimulatora živaca i mišića (IEC 60601-2-10:2012/am2:2023; EN 60601-2-10:2015/A2:2024)  
Medical electrical equipment – Part 2-10: Particular requirements for the basic safety and essential performance of nerve and muscle stimulators (IEC 60601-2-10:2012/am2:2023; EN 60601-2-10:2015/A2:2024)

HRN EN IEC 60601-2-2:2018/A1:2024 en pr  
Medicinska električna oprema – Dio 2-2: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke visokofrekvencijskih kirurških uređaja i visokofrekvencijskih kirurških pribora (IEC 60601-2-2:2017/am1:2023; EN IEC 60601-2-2:2018/A1:2024)  
Medical electrical equipment – Part 2-2: Particular requirements for the basic safety and essential performance of high frequency surgical equipment and high frequency surgical accessories (IEC 60601-2-2:2017/am1:2023; EN IEC 60601-2-2:2018/A1:2024)

HRN EN 60601-2-3:2015/A2:2024 en pr  
Medicinska električna oprema – Dio 2-3: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke kratkovalnih terapijskih uređaja (IEC 60601-2-3:2012/am2:2022; EN 60601-2-3:2015/A2:2024)  
Medical electrical equipment – Part 2-3: Particular requirements for the basic safety and essential performance of short-wave therapy equipment (IEC 60601-2-3:2012/am2:2022; EN 60601-2-3:2015/A2:2024)

HRN EN IEC 60601-2-33:2024 en pr  
Medicinska električna oprema – Dio 2-33: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke medicinskih dijagnostičkih uređaja za magnetsku rezonancu (IEC 60601-2-33:2022; EN IEC 60601-2-33:2024)  
Medical electrical equipment – Part 2-33: Particular requirements for the basic safety and essential performance of magnetic resonance equipment for medical diagnosis (IEC 60601-2-33:2022; EN IEC 60601-2-33:2024)

HRN EN 60601-2-45:2012/A2:2024 en pr  
Medicinska električna oprema – Dio 2-45: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke mamografske rendgenske opreme i mamografskih stereotaktičkih naprava (IEC 60601-2-45:2011/am2:2022; EN 60601-2-45:2011/A2:2024)  
Medical electrical equipment – Part 2-45: Particular requirements for the basic safety and essential performance of mammographic X-ray equipment and mammographic stereotactic devices (IEC 60601-2-45:2011/am2:2022; EN 60601-2-45:2011/A2:2024)

HRN EN IEC 60601-2-46:2024 en pr  
Medicinska električna oprema – Dio 2-46: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke operacijskih stolova (IEC 60601-2-46:2023; EN IEC 60601-2-46:2024)  
Medical electrical equipment – Part 2-46: Particular requirements for the basic safety and essential performance of operating tables (IEC 60601-2-46:2023; EN IEC 60601-2-46:2024)

HRN EN IEC 60601-2-54:2024 en pr  
Medicinska električna oprema – Dio 2-54: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke rendgenske opreme za radiografiju i radioskopiju (IEC 60601-2-54:2022; EN IEC 60601-2-54:2024)  
Medical electrical equipment – Part 2-54: Particular requirements for the basic safety and essential performance of X-ray equipment for radiography and radiology (IEC 60601-2-54:2022; EN IEC 60601-2-54:2024)

HRN EN 60601-2-6:2015/A2:2024 en pr  
Medicinska električna oprema – Dio 2-6: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke mikrovalnih terapijskih uređaja (IEC 60601-2-6:2012/am2:2022; EN 60601-2-6:2015/A2:2024)  
Medical electrical equipment – Part 2-6: Particular requirements for the basic safety and essential performance of microwave therapy equipment (IEC 60601-2-6:2012/am2:2022; EN 60601-2-6:2015/A2:2024)

HRN EN IEC 60601-2-75:2019/A1:2024 en pr  
Medicinska električna oprema – Dio 2-75: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke opreme za fotodinamičku terapiju i fotodinamičku dijagnostiku (IEC 60601-2-75:2017/am1:2023; EN IEC 60601-2-75:2019/A1:2024)  
Medical electrical equipment – Part 2-75: Particular requirements for the basic safety and essential performance of photodynamic therapy and photodynamic diagnosis equipment (IEC 60601-2-75:2017/am1:2023; EN IEC 60601-2-75:2019/A1:2024)

HRN EN IEC 80601-2-58:2024 en pr  
Medicinska električna oprema – Dio 2-58: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke uređaja za uklanjanje leća i uređaja za vitrektomiju za oftalmološku kirurgiju (IEC 80601-2-58:2024; EN IEC 80601-2-58:2024)  
Medical electrical equipment – Part 2-58: Particular requirements for the basic safety and essential performance of lens removal devices and vitrectomy devices for ophthalmic surgery (IEC 80601-2-58:2024; EN IEC 80601-2-58:2024)

HRN EN IEC 80601-2-78:2020/A1:2024 en pr  
Medicinska električna oprema – Dio 2-78: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke medicinskih robota za rehabilitaciju, procjenu, kompenzaciju ili ublažavanje (IEC 80601-2-78:2019/am1:2024; EN IEC 80601-2-78:2020/A1:2024)  
Medical electrical equipment – Part 2-78: Particular requirements for basic safety and essential performance of medical robots for rehabilitation, assessment, compensation or alleviation (IEC 80601-2-78:2019/am1:2024; EN IEC 80601-2-78:2020/A1:2024)

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

- HRN EN IEC 62381:2024 en pr  
Sustavi automatizacije u procesnoj industriji – Test tvorničkog preuzimanja (FAT), test preuzimanja na gradilištu (SAT) i test ugradnje na gradilištu (SIT) (IEC 62381:2024; EN IEC 62381:2024)  
Automation systems in the process industry – Factory acceptance test (FAT), site acceptance test (SAT), and site integration test (SIT) (IEC 62381:2024; EN IEC 62381:2024)
- HRN EN IEC 62382:2024 en pr  
Sustavi za vođenje u procesnoj industriji – Provjera električne i instrumentacijske petlje (IEC 62382:2024; EN IEC 62382:2024)  
Control systems in the process industry – Electrical and instrumentation loop check (IEC 62382:2024; EN IEC 62382:2024)
- HRN EN IEC 62443-2-1:2024 en pr  
Sigurnost industrijskih sustava za automatizaciju i vođenje (IACS) – Dio 2-1: Zahtjevi sigurnosnog programa za vlasnike IACS imovine (IEC 62443-2-1:2024; EN IEC 62443-2-1:2024)  
Security for industrial automation and control systems – Part 2-1: Security program requirements for IACS asset owners (IEC 62443-2-1:2024; EN IEC 62443-2-1:2024)
- HRN EN IEC 63082-2:2024 en pr  
Upravljanje pametnim uređajima – 2. dio: Normativni zahtjevi i preporuke (IEC 63082-2:2024; EN IEC 63082-2:2024)  
Intelligent Device Management – Part 2: Normative Requirements and Recommendations (IEC 63082-2:2024; EN IEC 63082-2:2024)
- HRN EN IEC 63303:2024 en pr  
Sučelja čovjeka i stroja za sustave automatizacije procesa (IEC 63303:2024; EN IEC 63303:2024)  
Human machine interfaces for process automation systems (IEC 63303:2024; EN IEC 63303:2024)

## HZN/TO E78, Rad pod naponom

- HRN EN 50365:2024/Ispr.1:2024 en pr  
Rad pod naponom – Električke izolacijske kacige za uporabu u postrojenjima niskog i srednjeg napona (EN 50365:2023/AC:2024)  
Live Working – Electrically insulating helmets for use on low and medium voltage installations (EN 50365:2023/AC:2024)

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

- HRN EN 61786-1:2014/A1:2024 en pr  
Mjerenje istosmjernih magnetskih te izmjeničnih magnetskih i električnih polja frekvencija od 1 Hz do 100 kHz, s obzirom na izloženost ljudi – 1. dio: Zahtjevi za mjernu opremu (IEC 61786-1:2013/am1:2024; EN 61786-1:2014/A1:2024)  
Measurement of DC magnetic, AC magnetic and AC electric fields from 1 Hz to 100 kHz with regard to exposure of human beings – Part 1: Requirements for measuring instruments (IEC 61786-1:2013/am1:2024; EN 61786-1:2014/A1:2024)

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

- HRN EN 60216-2:2008/Ispr.1:2024 en pr  
Električni izolacijski materijali – Svojstva toplinske izdržljivosti – 2. dio: Određivanje svojstva toplinske izdržljivosti električnih izolacijskih materijala – Izbor ispitnih kriterija (IEC 60216-2:2005/Corr.1:2024 EN 60216-2:2005/AC:2024)  
Electrical insulating materials – Thermal endurance properties – Part 2: Determination of thermal endurance properties of electrical insulating materials – Choice of test criteria (IEC 60216-2:2005/Corr.1:2024 EN 60216-2:2005/AC:2024)

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

- HRN EN IEC 61000-2-4:2024 en pr  
Elektromagnetska kompatibilnost (EMC) – Dio 2-4: Okoliš – Razine kompatibilnosti u sustavima distribucije električne energije u industrijskim postrojenjima za niskofrekvencijske vođene smetnje (IEC 61000-2-4:2024; EN IEC 61000-2-4:2024)  
Electromagnetic compatibility (EMC) – Part 2-4: Environment – Compatibility levels in power distribution systems in industrial locations for low-frequency conducted disturbances (IEC 61000-2-4:2024; EN IEC 61000-2-4:2024)

## HZN/TO T4, Normizacija u telekomunikacijama

- HRN EN 300 019-2-7 V3.1.1:2024 en pr  
Inženjerstvo okoliša (EE) – Uvjeti okoliša i ispitivanje utjecaja telekomunikacijske opreme na okoliš – 2. dio: Specifikacija ispitivanja utjecaja na okoliš – 7. poddio: Primjena kod prenošenja i u nestacionarnim uvjetima (EN 300 019-2-7 V3.1.1:2024)  
Environmental Engineering (EE) – Environmental conditions and environmental tests for telecommunications equipment – Part 2: Specification of environmental tests – Sub-part 7: Portable and non-stationary use (EN 300 019-2-7 V3.1.1:2024)
- HRN EN 300 132-2 V2.8.1:2024 en pr  
Inženjerstvo okoliša (EE) – Sučelje za izvore napajanja na ulazu opreme informacijsko-komunikacijske tehnologije (IKT) – 2. dio: -48 V istosmjerna struja (DC) (EN 300 132-2 V2.8.1:2024)  
Environmental Engineering (EE) – Power supply interface at the input of Information and Communication Technology (ICT) equipment – Part 2: -48 V Direct Current (DC) (EN 300 132-2 V2.8.1:2024)
- HRN EN 301 489-17 V3.3.1:2024 en pr  
Norma za elektromagnetsku kompatibilnost (EMC) za radijsku opremu i službe – 17. dio: Posebni uvjeti za brze širokopojasne i širokopojasne sustave prijenosa podataka – Harmonizirana norma za elektromagnetsku kompatibilnost (EN 301 489-17 V3.3.1:2024)  
ElectroMagnetic Compatibility (EMC) standard for radio equipment and services – Part 17: Specific conditions for Broadband and Wideband Data Transmission Systems – Harmonised Standard for ElectroMagnetic Compatibility (EN 301 489-17 V3.3.1:2024)
- HRN EN 301 908-13 V13.3.1:2024 en pr  
IMT celularne mreže – Harmonizirana norma za pristup radijskom spektru – 13. dio: Korisnička oprema (E-UTRA) za napredni univerzalni terestrijalni radijski pristup (UE) (EN 301 908-13 V13.3.1:2024)  
IMT cellular networks – Harmonised Standard for access to radio spectrum – Part 13: Evolved Universal Terrestrial Radio Access (E-UTRA) User Equipment (UE) (EN 301 908-13 V13.3.1:2024)
- HRN EN 302 307-2 V1.4.1:2024 en pr  
Digitalna videodifuzija (DVB) – Struktura okvira, kodiranje kanala i modulacija sustava za radiodifuziju druge generacije, interaktivne usluge, skupljanje informacija i druge širokopojasne satelitske aplikacije – 2. dio: DVB-S2 Proširenja (DVB-S2X) (EN 302 307-2 V1.4.1:2024)  
Digital Video Broadcasting (DVB) – Second generation framing structure, channel coding and modulation systems for Broadcasting, Interactive Services, News Gathering and other broadband satellite applications – Part 2: DVB-S2 Extensions (DVB-S2X) (EN 302 307-2 V1.4.1:2024)
- HRN EN 303 645 V3.1.3:2024 en pr  
Kibernetički prostor – Kibernetička sigurnost za korisnički Internet stvari: Osnovni zahtjevi (EN 303 645 V3.1.3:2024)  
CYBER – Cyber Security for Consumer Internet of Things: Baseline Requirements (EN 303 645 V3.1.3:2024)
- HRN EN 303 760 V1.1.1:2024 en pr  
SmartM2M – Smjernice Referentne ontologije za pametne aplikacije (SAREF) za semantičku interoperabilnost interneta stvari; izrada, primjena i razvoj ontologija pametnih aplikacija (EN 303 760 V1.1.1:2024)  
SmartM2M – SAREF Guidelines for IoT Semantic Interoperability – Develop, apply and evolve Smart Applications ontologies (EN 303 760 V1.1.1:2024)
- HRN EN 303 798 V2.1.1:2024 en pr  
Inteligentni transportni sustavi (ITS) – Specifikacija pristupnog sloja LTE-V2X i NR-V2X za inteligentne transportne sustave koji rade u frekvencijskom pojasu 5 GHz – 2. izdanje (EN 303 798 V2.1.1:2024)  
Intelligent Transport Systems (ITS) – LTE-V2X and NR-V2X Access layer specification for Intelligent Transport Systems operating in the 5 GHz frequency band – Release 2 (EN 303 798 V2.1.1:2024)
- HRN EN 303 883-1 V2.1.1:2024 en pr  
Uređaji kratkoga dometa (SRD) i ultra širokog pojasa (UWB) – 1. dio: Mjerne tehnike za ispitivanje zahtjeva odašiljača (EN 303 883-1 V2.1.1:2024)  
Short Range Devices (SRD) and Ultra Wide Band (UWB) – Part 1: Measurement techniques for transmitter requirements (EN 303 883-1 V2.1.1:2024)



HRN EN 303 883-2 V2.1.1:2024 en pr  
Uređaji kratkoga dometa (SRD) i ultra širokog pojasa (UWB) – 2. dio: Mjerne tehnike za ispitivanje zahtjeva prijamnika (EN 303 883-2 V2.1.1:2024)  
Short Range Devices (SRD) and Ultra Wide Band (UWB) – Part 2: Measurement techniques for receiver requirements (EN 303 883-2 V2.1.1:2024)

HRN EN 304 220-1 V1.2.1:2024 en pr  
Wideband data transmission SRD – Harmonised Standard for access to radio spectrum – Part 1: Wideband data transmission devices: network access points operating in the frequency bands 863 MHz to 868 MHz and 915,8 MHz to 919,4 MHz (EN 304 220-1 V1.2.1:2024)

HRN EN 304 220-2 V1.2.1:2024 en pr  
Wideband data transmission SRD – Harmonised Standard for access to radio spectrum – Part 2: Wideband data transmission devices: terminal node operating in the frequency bands 863 MHz to 868 MHz and 915,8 MHz to 919,4 MHz (EN 304 220-2 V1.2.1:2024)

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

HRN EN ISO 2884-1:2024 en pr  
Boje i lakovi – Određivanje viskoznosti rotacijskim viskozimetrom – 1. dio: Mjerenje apsolutne viskoznosti konusno-pločastim viskozimetrom pri velikoj smičnoj brzini (ISO 2884-1:2024; EN ISO 2884-1:2024)  
Paints and varnishes – Determination of viscosity using rotational viscometers – Part 1: Absolute viscosity measurement with cone-plate measuring geometry at high shear rates (ISO 2884-1:2024; EN ISO 2884-1:2024)

HRN EN ISO 19403-2:2024 en pr  
Boje i lakovi – Kvašenje – 2. dio: Određivanje slobodne površinske energije krute površine mjerenjem kontaktnog kuta (ISO 19403-2:2024; EN ISO 19403-2:2024)  
Paints and varnishes – Wettability – Part 2: Determination of the surface free energy of solid surfaces by measuring the contact angle (ISO 19403-2:2024; EN ISO 19403-2:2024)

HRN EN ISO 19403-3:2024 en pr  
Boje i lakovi – Kvašenje – 3. dio: Određivanje površinske napetosti tekućina metodom viseće kapi (ISO 19403-3:2024; EN ISO 19403-3:2024)  
Paints and varnishes – Wettability – Part 3: Determination of the surface tension of liquids using the pendant drop method (ISO 19403-3:2024; EN ISO 19403-3:2024)

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

HRN EN ISO 19337:2024 en pr  
Nanotehnologije – Karakteristike radnih suspenzija nano-objekata za in vitro testove za procjenu inherentne toksičnosti nano-objekata (ISO 19337:2023; EN ISO 19337:2024)  
Nanotechnologies – Characteristics of working suspensions of nano-objects for in vitro assays to evaluate inherent nano-object toxicity (ISO 19337:2023; EN ISO 19337:2024)

HRN EN ISO 19443:2022/A1:2024 en pr  
Sustavi upravljanja kvalitetom – Posebni zahtjevi za primjenu ISO 9001:2015 za organizacije u lancu opskrbe sektora nuklearne energije koje isporučuju proizvode i usluge važne za nuklearnu sigurnost (ITNS) – Amandman 1: Aktivnosti koje se odnose na klimatske promjene (ISO 19443:2018/Amd 1:2024; EN ISO 19443:2022/A1:2024)  
Quality management systems – Specific requirements for the application of ISO 9001:2015 by organizations in the supply chain of the nuclear energy sector supplying products and services important to nuclear safety (ITNS) – Amendment 1: Climate action changes (ISO 19443:2018/Amd 1:2024; EN ISO 19443:2022/A1:2024)

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

HRN EN 455-1:2024 en pr  
Medicinske rukavice za jednokratnu uporabu – 1. dio: Zahtjevi i ispitivanje s obzirom na postojanje oštećenja (EN 455-1:2020+A2:2024)  
Medical gloves for single use – Part 1: Requirements and testing for freedom of holes (EN 455-1:2020+A2:2024)

HRN EN ISO 7199:2024 en pr  
Kardiovaskularni implantati i umjetni organi – Izmjenjivači plinova u krvi (uređaji za obogaćivanje krvi kisikom) (ISO 7199:2024; EN ISO 7199:2024)  
Cardiovascular implants and artificial organs – Blood-gas exchangers (oxygenators) (ISO 7199:2024; EN ISO 7199:2024)

HRN EN ISO 8536-13:2024 en pr  
Oprema za infuziju za medicinsku primjenu – 13. dio: Regulatori protoka sa stupnjevanjem za jednokratnu upotrebu u kontaktu s tekućinom (ISO 8536-13:2024; EN ISO 8536-13:2024)  
Infusion equipment for medical use – Part 13: Graduated flow regulators for single use with fluid contact (ISO 8536-13:2024; EN ISO 8536-13:2024)

HRN EN ISO 20342-5:2024 en pr  
Proizvodi koji pomažu u sprječavanju ozljeda tkiva pri dugotrajnom ležanju – 5. dio: Metoda ispitivanja otpornosti na čišćenje i dezinfekciju (ISO 20342-5:2024; EN ISO 20342-5:2024)  
Assistive products for tissue integrity when lying down – Part 5: Resistance to cleaning and disinfection (ISO 20342-5:2024; EN ISO 20342-5:2024)

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

HRN EN 17860-2:2024 en pr  
Teretni bicikli – 2. dio: Lagani teretni bicikli s kotačima na istom pravcu – Mehanički aspekti (EN 17860-2:2024)  
Carrier Cycles – Part 2: Lightweight single track carrier cycles – Mechanical aspects (EN 17860-2:2024)

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

HRN EN IEC 60384-8:2024 en pr  
Fiksni kondenzatori za uporabu u elektroničkoj opremi – 8. dio: Sekcijska specifikacija: Fiksni kondenzatori s keramičkim dielektrikom, razreda 1 (IEC 60384-8:2024; EN IEC 60384-8:2024)  
Fixed capacitors for use in electronic equipment – Part 8: Sectional specification – Fixed capacitors of ceramic dielectric, Class 1 (IEC 60384-8:2024; EN IEC 60384-8:2024)

HRN EN IEC 60384-9:2024 en pr  
Fiksni kondenzatori za uporabu u elektroničkoj opremi – 9. dio: Sekcijska specifikacija: Fiksni kondenzatori s keramičkim dielektrikom, razreda 2 (IEC 60384-9:2024; EN IEC 60384-9:2024)  
Fixed capacitors for use in electronic equipment – Part 9: Sectional specification – Fixed capacitors of ceramic dielectric, Class 2 (IEC 60384-9:2024; EN IEC 60384-9:2024)

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

HRN EN IEC 61960-4:2024 en pr  
Sekundarni članci i baterije koje sadrže alkalne ili druge nekisele elektrolite – Sekundarni litijevi članci i baterije za primjenu u prijenosnim uređajima – 4. dio: Dugmasti litijevi sekundarni članci i baterije načinjene od njih (IEC 61960-4:2024; EN IEC 61960-4:2024)  
Secondary cells and batteries containing alkaline or other non-acid electrolytes – Secondary lithium cells and batteries for portable applications – Part 4: Coin secondary lithium cells, and batteries made from them (IEC 61960-4:2024; EN IEC 61960-4:2024)

HRN EN IEC 62933-5-1:2024 en pr  
Sustavi za pohranu električne energije (EES) – Dio 5-1: Sigurnosna razmatranja za sustave za pohranu električne energije integrirane u mrežu – Opće specifikacije (IEC 62933-5-1:2024; EN IEC 62933-5-1:2024)  
Electrical energy storage (EES) systems – Part 5-1: Safety considerations for grid-integrated EES systems – General specification (IEC 62933-5-1:2024; EN IEC 62933-5-1:2024)

## 1.2 Nacrti hrvatskih norma

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

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

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

nHRN 1153 hr izv  
Tekući naftni proizvodi – Loživo ulje ekstra lako (LU EL)  
– Zahtjevi i metode ispitivanja  
Liquid petroleum products – Fuel oil extra light – Requirements  
and test methods

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

nHRN DIN 51402-1 hr pp  
Ispitivanje otpadnih plinova iz uljnih kotlovnica – Vizualno i  
fotometrijsko određivanje dimnog broja (DIN 51402-1:2020)  
Prüfung der Abgase von Ölfeuerungen – Visuelle und  
photometrische Bestimmung der Rußzahl (DIN 51402-1:2020)

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

nHRN EN 1993-1-13:2024/NA hr izv  
Eurokod 3 – Projektiranje čeličnih konstrukcija – Dio 1-13:  
Grede s velikim otvorima u hrptu – Nacionalni dodatak  
Eurocode 3 – Design of steel structures – Part 1-13: Beams  
with large web openings – National Annex

nHRN EN 1993-1-2:2024/NA hr izv  
Eurokod 3 – Projektiranje čeličnih konstrukcija – Dio 1-2:  
Proračun konstrukcija na djelovanje požara – Nacionalni  
dodatak  
Eurocode 3 – Design of steel structures – Part 1-2: Structural  
fire design – National Annex

nHRN EN 1993-1-3:2024/NA hr izv  
Eurokod 3 – Projektiranje čeličnih konstrukcija – Dio 1-3:  
Hladno oblikovani elementi i limovi – Nacionalni dodatak  
Eurocode 3 – Design of steel structures – Part 1-3: Cold-formed  
members and sheeting – National Annex

nHRN EN 1993-1-8:2024/NA hr izv  
Eurokod 3 – Projektiranje čeličnih konstrukcija – Dio 1-8:  
Priključci – Nacionalni dodatak  
Eurocode 3 – Design of steel structures – Part 1-8: Joints  
– National Annex

### 1.3 Prijedlozi za prihvaćanje stranih norma u izvorniku

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

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

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

EN 14917:2021/prA1 en  
Metal bellows expansion joints for pressure applications  
Metalni ekspanzioni mijeh za tlačnu primjenu

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

prEN 14972-2 en  
Fixed firefighting systems – Water mist systems – Part 2: Test protocol for shopping areas for automatic nozzle systems

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

prEN ISO 18243 en  
Electrically propelled mopeds and motorcycles – Test specifications and safety requirements for lithium-ion battery systems (ISO/DIS 18243:2024)  
Mopedi i motocikli na električni pogon – Specifikacije ispitivanja i sigurnosni zahtjevi za sustave litij-ionskih baterija (ISO/DIS 18243:2024)

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

prEN 12525 en  
Agricultural machinery – Front loaders – Safety  
Poljoprivredna mehanizacija – Čeoni utovarivači – Sigurnost

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

prEN ISO 9613-2 en  
Acoustics – Attenuation of sound during propagation outdoors – Part 2: Engineering method for the prediction of sound pressure levels outdoors (ISO 9613-2:2024)  
Akustika – Prigušenje zvuka pri širenju na otvorenom – 2. dio: Tehnički postupak predviđanja razina zvučnog tlaka na otvorenom (ISO 9613-2:2024)

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

prEN ISO 9606 en  
Qualification testing of welders – Fusion welding (ISO/DIS 9606:2024)  
Provjera osposobljenosti zavarivača – Zavarivanje taljenjem (ISO/DIS 9606:2024)

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

prEN 14354 en  
Wood-based panels – Wood veneer floor coverings  
Ploče na osnovi drva – Podne obloge obložene furnirom

#### HZN/TO 120, *Koža i obuća*

prEN ISO 11641 en  
Leather – Tests for colour fastness – Colour fastness to perspiration (ISO/DIS 11641:2024)  
Koža – Ispitivanja postojanosti obojenja – Postojanost obojenja na znoj (ISO/DIS 11641:2024)

prEN ISO 11642 en  
Leather – Tests for colour fastness – Colour fastness to water (ISO/DIS 11642:2024)

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

prEN ISO 80601-2-67 en  
Medical electrical equipment – Part 2-67: Particular requirements for basic safety and essential performance of oxygen-conserving equipment (ISO/DIS 80601-2-67:2024)  
Medicinska električna oprema – Dio 2-67: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke opreme za očuvanje kisika (ISO/DIS 80601-2-67:2024)

prEN ISO 80601-2-69 en  
Medical electrical equipment – Part 2-69: Particular requirements for the basic safety and essential performance of oxygen concentrator equipment (ISO/DIS 80601-2-69:2024)  
Medicinska električna oprema – Dio 2-69: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke opreme za koncentriranje kisika (ISO/DIS 80601-2-69:2024)

#### HZN/TO 135, *Nerazorna ispitivanja*

prEN ISO 5577 en  
Non-destructive testing – Ultrasonic testing – Vocabulary (ISO/DIS 5577:2024)  
Nerazorno ispitivanje – Ultrazvučno ispitivanje – Terminološki rječnik (ISO/DIS 5577:2024)

#### HZN/TO 136, *Namještaj*

prEN 581-2 en  
Outdoor furniture – Seating and tables for camping, domestic and contract use – Part 2: Mechanical safety requirements and test methods for seating  
Namještaj za vanjsku primjenu – Namještaj za sjedenje i stolovi za kampiranje, kućnu i javnu uporabu – 2. dio: Mehanički sigurnosni zahtjevi i metode ispitivanja za namještaj za sjedenje

prEN 581-3 en  
Outdoor furniture – Seating and tables for camping, domestic and contract use – Part 3: Mechanical safety requirements for tables  
Namještaj za vanjsku primjenu – Namještaj za sjedenje i stolovi za kampiranje, kućnu i javnu uporabu – 3. dio: Mehanički sigurnosni zahtjevi za stolove

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

prEN 481 en  
Workplace exposure – Size fraction definitions for measurement of airborne particles (ISO 7708:1995, MOD)  
Profesionalna izloženost – Definicije veličina frakcija za mjerenje lebdećih čestica (ISO 7708:1995, MOD)

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

FprCEN/TR 16907-8 en  
Earthworks – Part 8: Alternative materials in earthworks  
Zemljani radovi – 8. dio: Alternativni materijali za zemljane radove

CEN/TS 17685-2:2024 en  
Earthworks – Chemical tests – Part 2: Determination of organic matter content by potassium permanganate method  
Zemljani radovi – Kemijska ispitivanja – 2. dio: Određivanje sadržaja organske tvari metodom kalijeva permanganata

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

ISO 14066:2023 en  
Environmental information – Competence requirements for teams validating and verifying environmental information  
Informacije o okolišu — Zahtjevi za osposobljenost skupina za validaciju i verifikaciju informacija o okolišu

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

prEN ISO 19135 en  
Geographic information – Registration and register governance (ISO/DIS 19135:2024)

#### HZN/TO 238, *Čvrsta biogoriva*

prEN ISO 17829 en  
Solid Biofuels – Determination of length and diameter of pellets (ISO/DIS 17829:2024)  
Čvrsta biogoriva – Određivanje duljine i promjera peleta (ISO/DIS 17829:2024)

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

- prEN 10342 en  
Magnetic materials – Classification of surface insulations of electrical steel sheet, strip and laminations  
Magnetni materijali – Razredba površinskih izolacija čeličnih elektrolimova, traka i laminata

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

- prEN ISO 2081 en  
Metallic and other inorganic coatings – Electroplated coatings on iron and steel using zinc treated with solutions containing chromium (VI) (ISO/DIS 2081:2024)

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

- prEN ISO 17508 en  
Packaging – Transport packaging for dangerous goods – Compatibility testing of polyethylene, fluorinated polyethylene and co-extruded plastic (ISO/DIS 17508:2024)
- prEN 18120-1 en  
Packaging – Design for recycling of plastic packaging – Part 1: Definitions and principles for design-for-recycling of plastic packaging
- prEN 18120-3 en  
Packaging – Design for recycling of plastic packaging – Part 3: Sortability evaluation process for plastic packaging
- prEN 18120-4 en  
Packaging – Design for recycling of plastic packaging – Part 4: Guideline for PET bottles
- prEN 18120-5 en  
Packaging – Design for recycling of plastic packaging – Part 5: Guideline for PET rigid packaging (except bottles)
- prEN 18120-6 en  
Packaging – Design for recycling for plastic packaging – Part 6: Guideline for PE and PP rigid packaging
- prEN 18120-7 en  
Packaging – Design for recycling of plastic packaging – Part 7: Guideline for PE and PP flexible packaging
- prEN 18120-8 en  
Packaging – Design for recycling for plastic packaging – Part 8: Guideline for PS and XPS packaging
- prEN 18120-9 en  
Packaging – Design for recycling of plastic packaging – Part 9: Guideline for EPS packaging
- prEN 18120-10 en  
Packaging – Design for recycling for plastic packaging – Part 10: Recyclability evaluation process for plastic packaging – Protocols for PET bottles
- prEN 18120-11 en  
Packaging – Design for recycling for plastic packaging – Part 11: Recyclability evaluation process for plastic packaging – Protocols for PET rigid packaging (except bottles)
- prEN 18120-12 en  
Packaging – Design for recycling for plastic packaging – Part 12: Recyclability evaluation process for plastic packaging – Protocols for PE and PP rigid packaging
- prEN 18120-13 en  
Packaging – Design for recycling for plastic packaging – Part 13: Recyclability evaluation process for plastic packaging – Protocols for PE and PP flexible packaging
- prEN 18120-14 en  
Packaging – Design for recycling for plastic packaging – Part 14: Recyclability evaluation process for plastic packaging – Protocols for PS and XPS packaging
- prEN 18120-15 en  
Packaging – Design for recycling for plastic packaging – Part 15: Recyclability evaluation process for plastic packaging – Protocols for EPS packaging

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

- prEN 12080 en  
Railway applications – Axleboxes – Rolling bearings  
Željeznički sustav – Kućišta osovinskih ležaja – Kotrljajući ležaji

- prEN 12081 en  
Railway applications – Axleboxes – Lubricating greases  
Željeznički sustav – Kućišta osovinskih ležaja – Maziva za podmazivanje

- prEN 12082-1 en  
Railway applications – Axleboxes – Test procedures

- prEN 12082-2 en  
Railway applications – Axleboxes – Deployment Procedure

- prEN 13848-6 en  
Railway applications – Track – Track geometry quality – Part 6: Characterisation of track geometry quality  
Željeznički sustav – Željeznički gornji ustroj – Kvaliteta kolosiječne geometrije – 6. dio: Definiranje kvalitete kolosiječne geometrije

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

- ISO 9374-1:2024 en  
Cranes – Information to be provided – Part 1: General  
Dizalice – Potrebne informacije – 1. dio: Općenito

- ISO 9374-4:2024 en  
Cranes – Information to be provided – Part 4: Jib cranes  
Dizalice – Potrebne informacije – 4. dio: Dohvatne dizalice

- ISO 12480-1:2024 en  
Cranes – Safe use – Part 1: General  
Dizalice – Sigurnost na radu – 1. dio: Općenito

- ISO 18893:2024 en  
Mobile elevating work platforms – Safety principles, inspection, maintenance and operation  
Mobilne podizne platforme – Sigurnosna načela, pregled, održavanje i rukovanje

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

- prEN ISO 284 en  
Conveyor belts – Electrical conductivity – Specification and test method (ISO/DIS 284:2024)  
Transportne trake – Električna vodljivost – Specifikacija i metoda ispitivanja (ISO/DIS 284:2024)

- prEN ISO 1120 en  
Conveyor belts – Determination of strength of mechanical fastenings for textile conveyor belts – Static test method (ISO/DIS 1120:2024)  
Transportne trake – Određivanje čvrstoće mehaničkih spojeva za tekstilne transportne trake – Statička metoda ispitivanja (ISO/DIS 1120:2024)

- ISO 2232:2022 en  
Round non-alloy steel wires for general purpose wire ropes, large diameter wire ropes and mine hoisting wire ropes – Specifications  
Okrugle nelegirane žice za čeličnu užad opće namjene, za čeličnu užad velikoga promjera i čeličnu užad rudničkih dizala – Specifikacije

- ISO 2415:2022 en  
Forged shackles for general lifting purposes – Dee shackles and bow shackles  
Kovani škopci za opće namjene podizanja – Ravni i trbušasti škopci

- ISO 4344:2022 en  
Steel wire ropes for lifts – Minimum requirements  
Čelična užad za dizala – Minimalni zahtjevi

- ISO/DIS 4345 en  
Steel wire ropes – Fibre main cores – Specifications  
Čelična užad – Vlaknaste jezgre – Specifikacija

- ISO 10425:2023 en  
Steel wire ropes for the petroleum and natural gas industries – Minimum requirements and terms of acceptance  
Čelična užad za industriju nafte i prirodnog plina – Minimalni zahtjevi i uvjeti prihvatljivosti

- prEN 12882 en  
Conveyor belts for general purpose use – Electrical and flammability safety requirements  
Transportne trake za opću namjenu – Sigurnosni zahtjevi s obzirom na statički elektricitet i zapaljivost

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

- ISO 48-4:2018 en  
Rubber, vulcanized or thermoplastic – Determination of hardness – Part 4: Indentation hardness by durometer method (Shore hardness)  
Guma, vulkanizirana ili plastomerna – Određivanje tvrdoće – 4. dio: Metoda određivanja tvrdoće utiskivanjem pomoću duromera (tvrdoća po Shore-u)
- ISO 48-5:2018 en  
Rubber, vulcanized or thermoplastic – Determination of hardness – Part 5: Indentation hardness by IRHD pocket meter method  
Guma, vulkanizirana ili plastomerna – Određivanje tvrdoće – 5. dio: Metoda određivanja tvrdoće utiskivanjem pomoću IRHD džepnog mjerača
- prEN ISO 527-2 en  
Plastics – Determination of tensile properties – Part 2: Test conditions for moulding and extrusion plastics (ISO/DIS 527-2:2024)  
Plastika – Određivanje rastezних svojstava – 2. dio: Uvjeti ispitivanja za prešanu i ekstrudiranu plastiku (ISO/DIS 527-2:2024)
- ISO 1817:2024 en  
Rubber, vulcanized or thermoplastic – Determination of the effect of liquids  
Guma, vulkanizirana ili plastomerna – Određivanje utjecaja kapljevina
- ISO 2878:2017 en  
Rubber, vulcanized or thermoplastic – Antistatic and conductive products – Determination of electrical resistance  
Guma, vulkanizirana ili plastomerna – Antistatički proizvodi i proizvodi koji su električno provodljivi – Određivanje električne otpornosti
- ISO 4649:2024 en  
Rubber, vulcanized or thermoplastic – Determination of abrasion resistance using a rotating cylindrical drum device  
Guma, vulkanizirana ili plastomerna – Određivanje abrazijske otpornosti uređajem s rotirajućim cilindričnim bubnjem
- prEN ISO 5659 en  
Plastics – Smoke generation – Determination of optical density by a single-chamber test (ISO/DIS 5659:2024)  
Plastika – Stvaranje dima – 2. dio: Određivanje optičke gustoće jednokomornim ispitivanjem (ISO/DIS 5659:2024)
- prEN ISO 13802 en  
Plastics – Verification of pendulum impact-testing machines – Charpy, Izod and tensile impact-testing (ISO/DIS 13802:2024)  
Plastika – Provjera uređaja za mjerenje radnje loma – Određivanje savojne žilavosti po Charpyju i Izodu te rastezne žilavosti (ISO/DIS 13802:2024)
- ISO 23794:2023 en  
Rubber, vulcanized or thermoplastic – Abrasion testing – Guidance  
Guma, vulkanizirana ili plastomerna – Abrazijska ispitivanja – Upute

## HZN/TO 532, *Dimnjaci*

- prEN 13084-6 en  
Free-standing chimneys – Part 6: Steel liners – Design and execution  
Samostojeći dimnjaci – 6. dio: Čelične cijevi – Projektiranje i izvedba

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

- prEN 13126-10 en  
Building hardware – Hardware for windows and door-height windows – Requirements and test methods – Part 10: Arm-balancing systems
- prEN 13126-11 en  
Building hardware – Hardware for windows and door-height windows – Requirements and test methods – Part 11: Top hung projecting reversible hardware
- prEN 13126-12 en  
Building hardware – Hardware for windows and door-height windows – Requirements and test methods – Part 12: Side hung projecting reversible hardware

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

- prEN ISO 9806 en  
Solar energy – Solar thermal collectors – Test methods (ISO/DIS 9806:2024)  
Sunčeva energija – Sunčani toplinski kolektori – Metode ispitivanja (ISO/DIS 9806:2024)
- prEN ISO 16484-6 en  
Building automation and control systems (BACS) – Part 6: Data communication conformance testing (ISO/FDIS 16484-6:2024)  
Upravljanje u zgradarstvu i upravljački sustavi (BACS) – 6. dio: Ispitivanje sukladnosti podatkovne komunikacije (ISO/FDIS 16484-6:2024)

## HZN/TO 544, *Strojni elementi*

- ISO/FDIS 4379 en  
Plain bearings – Copper alloy bushes – Dimensions and tolerances  
Klizni ležajevi – Blazinice od legura bakra – Izmjere i tolerancije
- ISO/FDIS 4385 en  
Plain bearings – Compression testing of bearing materials  
Klizni ležajevi – Tlačno ispitivanje ležajnih materijala
- ISO 5593:2023 en  
Rolling bearings – Vocabulary  
Valjni ležajevi – Terminološki rječnik
- ISO 10825-1:2022 en  
Gears – Wear and damage to gear teeth – Part 1: Nomenclature and characteristics  
Zupčanici – Trošenje i oštećenje zubi zupčanika – 1. dio: Nomenklatura i svojstva
- ISO/FDIS 12129-1 en  
Plain bearings – Tolerances – Part 1: Fits  
Klizni ležajevi – Tolerancije – 1. dio: Dosjedi
- ISO 12131-2:2023 en  
Plain bearings – Hydrodynamic plain thrust pad bearings under steady-state conditions – Part 2: Functions for the calculation of thrust pad bearings  
Klizni ležajevi – Hidrodinamički aksijalni ležajevi s nepomičnim segmentima u ustaljenom radu – 2. dio: Funkcije za proračun aksijalnih ležajeva s nepomičnim segmentima
- ISO 14635-1:2023 en  
Gears – FZG test procedures – Part 1: FZG test method A/8,3/90 for relative scuffing load-carrying capacity of oils  
Zupčanici – Postupci FZG ispitivanja – 1. dio: Metoda ispitivanja FZG A/8,3/90 za određivanje relativne nosivosti ulja s obzirom na zaribavanje
- ISO 14635-2:2023 en  
Gears – FZG test procedures – Part 2: FZG step load test A10/16, 6R/120 for relative scuffing load-carrying capacity of high EP oils  
Zupčanici – Postupci FZG ispitivanja – 2. dio: Ispitivanje sa stupnjevitim opterećivanjem FZG A10/16, 6R/120 za određivanje relativne nosivosti visokokvalitetnih ulja za ekstremne tlakove s obzirom na zaribavanje
- ISO 14635-3:2023 en  
Gears – FZG test procedures – Part 3: FZG test method A/2,8/50 for relative scuffing load-carrying capacity and wear characteristics of semifluid gear greases  
Zupčanici – Postupci FZG ispitivanja – 3. dio: Metoda ispitivanja FZG A/2,8/50 za određivanje relativne nosivosti polutekućih zupčaničkih masti s obzirom na zaribavanje i njihovih svojstava s obzirom na trošenje

## HZN/TO 548, *Konstruktivski eurokodovi*

- prEN 19100-1 en  
Eurocode 10 – Design of glass structures – Part 1: General rules  
Eurokod 10 – Projektiranje staklenih konstrukcija – 1. dio: Opća pravila
- prEN 19100-2 en  
Eurocode 10 – Design of glass structures – Part 2: Out-of-plane loaded glass components  
Eurokod 10 – Projektiranje staklenih konstrukcija – 2. dio: Elementi opterećeni okomito na vlastitu ravninu

prEN 19100-3 en  
Eurocode 10 – Design of glass structures – Part 3: In-plane loaded glass components  
Eurokod 10 – Projektiranje staklenih konstrukcija – 3. dio: Elementi opterećeni u vlastitoj ravni

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

prEN 806-1 en  
Specifications for installations inside buildings conveying water intended for human consumption – Part 1: General  
Specifikacije za instalacije u zgradama za dovod vode za ljudsku potrošnju – 1. dio: Općenito

prEN 806-2 en  
Specification for installations inside buildings conveying water intended for human consumption – Part 2: Design  
Specifikacije za instalacije u zgradama za dovod vode za ljudsku potrošnju – 2. dio: Projektiranje

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

EN ISO 10993-23:2021/prA1 en  
Biological evaluation of medical devices – Part 23: Tests for irritation – Amendment 1: Additional in vitro reconstructed human epidermis models (ISO 10993-23:2021/DAMd1:2024)  
Biološka procjena medicinskih uređaja – 23. dio: Ispitivanja na iritaciju – Amandman 1: Dodatni modeli rekonstruirane ljudske epiderme dobivene in vitro postupkom (ISO 10993-23:2021/DAMd1:2024)

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

prEN ISO 17249 en  
Safety footwear for users of handheld chain saws (ISO/DIS 17249:2024)  
Sigurnosna obuća za korisnike ručnih lančanih pila (ISO/DIS 17249:2024)

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

prEN ISO 105-X11 en  
Textiles – Tests for colour fastness – Part X11: Colour fastness to hot pressing (ISO/DIS 105-X11:2024)  
Tekstil – Ispitivanje postojanosti obojenja – Dio X11: Postojanost obojenja pri vrućem prešanju (ISO/DIS 105-X11:2024)

prEN ISO 9073-8 en  
Nonwovens – Test methods – Part 8: Determination of liquid strike-through time (simulated urine) for nonwoven coverstocks (ISO/DIS 9073-8:2024)

prEN 16781 en  
Textile child care articles – Safety requirements and test methods for children's sleep bags for use in a cot  
Tekstilni proizvodi za njegu djeteta – Sigurnosni zahtjevi i metode ispitivanja dječjih vreća za spavanje za upotrebu u dječjim krevetićima

prEN 17131-1 en  
Textiles and textile products – Determination of certain residual solvents – Part 1: Determination of aprotic solvents, method using gas chromatography

prEN ISO 17971 en  
Textiles – Smart Textiles – Test method for fabric interface with capacitive touchscreens (ISO/DIS 17971:2024)

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

prEN ISO 19085-20 en  
Woodworking machines – Safety – Part 20: Horizontal cutting cross-cut sawing machines with one saw unit (radial arm saws) (ISO/DIS 19085-20:2024)  
Strojevi za obradu drva – Sigurnost – 20. dio: Horizontalne kružne pile s jednim listom (radijalni nosač pile) (ISO/DIS 19085-20:2024)

prEN ISO 19085-21 en  
Woodworking machines – Safety – Part 21: Double blade circular sawing machines for cross-cutting with integrated feed (ISO/DIS 19085-21:2024)  
Strojevi za obradu drva – Sigurnost – 21. dio: Kružne pile s dvije pile za poprečno rezanje s ugrađenim posmakom (ISO/DIS 19085-21:2024)

prEN ISO 19085-22 en  
Woodworking machines – Safety – Part 22: Single blade automatic and semi-automatic up-cutting cross-cut sawing machines (ISO/DIS 19085-22:2024)  
Strojevi za obradu drva – Sigurnost – 22. dio: Podstolne automatske i poluautomatske klatne pile s jednom pilom (ISO/DIS 19085-22:2024)

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

EN 12983-2:2023/prA1 en  
Cookware – Domestic cookware for use on top of a stove, cooker or hob – Part 2: General requirements for ceramic cookware and glass lid  
Posuđe za kuhanje – Posuđe za kuhanje u domaćinstvu za upotrebu na štednjaku ili ploči – 2. dio: Ostali opći zahtjevi i posebni zahtjevi za keramičko posuđe za kuhanje i stakleni poklopac

prEN ISO 23691 en  
Microbiology of the food chain – Determination and use of cardinal values (ISO/DIS 23691:2024)

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

prEN ISO 10012 en  
Quality management – Requirements for measurement management systems (ISO/DIS 10012:2024)  
Upravljanje kvalitetom – Zahtjevi za sustave upravljanja mjerenjima (ISO/DIS 10012:2024)

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

prEN ISO 11265 en  
Environmental solid matrices – Determination of the specific electrical conductivity (ISO/DIS 11265:2024)  
Kruti matriksi u okolišu – Određivanje specifične električne vodljivosti (ISO/DIS 11265:2024)

ISO/FDIS 13536 en  
Soil quality – Determination of the potential cation exchange capacity and exchangeable cations using barium chloride solution buffered at pH = 8,1  
Kvaliteta tla – Određivanje potencijalnog kapaciteta zamjene kationa i zamjenjivih kationa s otopinom barijeva klorida puferiranom na pH = 8,1

prEN ISO 16703 en  
Environmental Solid Matrices – Determination of hydrocarbon content in the range of C10 to C40 by gas chromatography (ISO/DIS 16703:2024)  
Kruti matriksi u okolišu – Određivanje sadržaja ugljikovodika u rasponu od C10 do C40 plinskom kromatografijom (ISO/DIS 16703:2024)

prEN ISO 18227 en  
Environmental solid matrices – Determination of elemental composition by X-ray fluorescence spectrometry (ISO/DIS 18227:2024)  
Kruti matriksi u okolišu – Određivanje elementarnoga sastava rendgenskom fluorescentnom spektrometrijom (ISO/DIS 18227:2024)

ISO/FDIS 18400-105 en  
Soil quality – Sampling – Part 105: Packaging, transport, storage and preservation of samples  
Kvaliteta tla – Uzorkovanje – 105. dio: Pakiranje, prijevoz, skladištenje i čuvanje uzoraka

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

prEN ISO/IEC 19896-1 en  
Information security, cybersecurity and privacy protection – Requirements for the competence of IT security conformance assessment body personnel – Part 1: Overview and concepts (ISO/IEC DIS 19896-1:2024)

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

prEN 50155:2024 en  
Railway applications – Rolling stock – Electronic equipment  
Željeznički sustav – Željeznička vozila – Elektronička oprema

## **HZN/TO E20, Električni kabeli**

FprEN IEC 61442:2023/FprAA:2024 en

Test methods for accessories for power cables with rated voltages from 6 kV (Um = 7,2 kV) up to 36 kV (Um = 42 kV)

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

prEN IEC 60079-28:2024 en

Explosive atmospheres – Part 28: Protection of equipment and transmission systems using optical radiation (IEC 60079-28 ED3)

Eksplozivne atmosfere – 28. dio: Zaštita opreme i prijenosnih sustava s optičkim zračenjem (IEC 60079-28 ED3)

prEN IEC 60079-42:2024 en

Explosive atmospheres – Part 42: Electrical safety devices for the control of potential ignition sources for ex-equipment (IEC 60079-42 ED1)

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

prEN IEC 62488-1:2024 en

Power line communication systems for power utility applications – Part 1: Planning of analogue and digital power line carrier systems operating over HV electricity grids (IEC 62488-1 ED2)

Sustavi za komunikaciju putem elektroenergetskih vodova za primjenu u elektroprivredi – 1. dio: Planiranje analognih i digitalnih sustava visokofrekvencijskih veza po visokonaponskim dalekovodima (IEC 62488-1 ED2)

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

FprEN IEC 60601-2-68:2024 en

Medical electrical equipment – Part 2-68: Particular requirements for the basic safety and essential performance of X-ray-based image-guided radiotherapy equipment for use with electron accelerators, light ion beam therapy equipment and radionuclide beam therapy equipment (IEC 60601-2-68 ED2)

Medicinska električna oprema – Dio 2-68: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke radioterapijske opreme koja radi pod kontrolom rendgena za uporabu s elektronskim akceleratorima, terapijske opreme za zračenje svjetlosnim ionima i terapijske opreme za zračenje radionuklidima (IEC 60601-2-68 ED2)

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

prEN IEC 61285:2024 en

Industrial-process control – Safety of analyser houses (IEC 61285 ED4)

Vođenje industrijskog procesa – Sigurnost kućišta analizatora (IEC 61285 ED4)

prEN IEC 61298-1:2024 en

Process measurement and control devices – General methods and procedures for evaluating performance – Part 1: General considerations (IEC 61298-1 ED3)

Uređaji za procesno mjerenje i vođenje – Opće metode i postupci ocjenjivanja djelovanja – 1. dio: Opće pretpostavke (IEC 61298-1 ED3)

prEN IEC 61298-2:2024 en

Process measurement and control devices – General methods and procedures for evaluating performance – Part 2: Tests under reference conditions (IEC 61298-2 ED3)

Uređaji za procesno mjerenje i vođenje – Opće metode i postupci ocjenjivanja djelovanja – 2. dio: Ispitivanja pri referentnim uvjetima (IEC 61298-2 ED3)

prEN IEC 61298-3:2024 en

Process measurement and control devices – General methods and procedures for evaluating performance – Part 3: Tests for the effects of influence quantities (IEC 61298-3 ED3)

Uređaji za procesno mjerenje i vođenje – Opće metode i postupci ocjenjivanja djelovanja – 3. dio: Ispitivanja učinaka utjecajnih veličina (IEC 61298-3 ED3)

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

prEN IEC 63584:2024 en

Open Charge Point Protocol (OCPP) (Fast track) (IEC 63584 ED1)

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

prEN IEC 60730-2-7:2024 en

Automatic electrical controls – Part 2-7: Particular requirements for timers and time switches (IEC 60730-2-7 ED4)

Električne naprave za automatsko upravljanje – Dio 2-7: Posebni zahtjevi za programatore i vremenske sklopke (IEC 60730-2-7 ED4)

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

prEN IEC 62192-1:2024 en

Live working – Insulating ropes (IEC 62192-1 ED1)

Rad pod naponom – Izolacijska užad (IEC 62192-1 ED1)

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

prEN IEC 63297:2024 en

Sensing devices for non-intrusive load monitoring (NILM) systems (IEC 63297 ED1)

Osjetila za sustave neintruzivnog praćenja opterećenja (NILM) (IEC 63297 ED1)

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

EN 50413:2019/prA1 en

Basic standard on measurement and calculation procedures for human exposure to electric, magnetic and electromagnetic fields (0 Hz - 300 GHz)

Osnovna norma za postupke mjerenja i proračuna izloženosti ljudi električnim, magnetskim i elektromagnetskim poljima (0 Hz - 300 GHz)

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

prEN IEC 60216-1:2024 en

Electrical insulating materials – Thermal endurance properties – Part 1: Ageing procedures and evaluation of test results (IEC 60216-1 ED7)

Električni izolacijski materijali – Svojstva toplinske izdržljivosti – 1. dio: Postupak starenja i ocjenjivanje rezultata ispitivanja (IEC 60216-1 ED7)

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

EN IEC 55016-1-1:2019/prA1:2024 (Frag 2) en

Discontinuous Analyzers  
Analizatori skokovitih promjena

EN IEC 61000-6-3:2021/prA1{frag3}:2024 en

Electromagnetic compatibility (EMC) – Part 6-3: Generic standards – Emission standard for equipment in residential environments – Radiated Magnetic Emissions Requirements below 30 MHz (IEC 61000-6-3/am1/FRAG3 ED3)

Elektromagnetska kompatibilnost (EMC) – Dio 6-3: Norme srodnih područja – Norma emisije za opremu u stambenoj okolini – Razna pitanja za uključivanje u buduću preradu norme (IEC 61000-6-3/am1/FRAG3 ED3)

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

Draft EN 300 395-2 V1.3.2:2024 en

TETRA and Critical Communications Evolution (TCCE) – Speech codec for full-rate traffic channel – Part 2: TETRA codec

Terestrijalni međumjesni radio (TETRA) i razvoj ključnih komunikacija (TCCE) – Govorni kodek za kanal pune brzine prijenosa (full-rate) – 2. dio: TETRA kodek

Draft EN 302 729-1 V3.0.0:2024 en

Short Range Devices (SRD) using Ultra Wide Band technology (UWB) – Harmonised standard for access to radio spectrum – Part 1: Level Probing Radar (LPR) equipment operating in the frequency ranges 6 GHz to 8,5 GHz, 24,05 GHz to 26,5 GHz, 57 GHz to 64 GHz, 75 GHz to 85 GHz for strictly vertical downward installation

Uređaji kratkoga dometa (SRD) koji upotrebljavaju ultraširokopojasnu tehnologiju (UWB) – Harmonizirana norma za pristup radijskom spektru – 1. dio: Radarski uređaji za ispitivanje razine tvari (LPR) koji rade u frekvencijskim pojasima od 6 GHz do 8,5 GHz, od 24,05 GHz do 26,5 GHz, od 57 GHz do 64 GHz i od 75 GHz do 85 GHz za strogo vertikalnu instalaciju s orijentacijom prema dolje

Draft EN 305 550-6 V1.1.0:2024 en

Short Range Devices (SRD) to be used in the 40 GHz to 260 GHz frequency range – Harmonised Standard for access to radio spectrum – Part 6: Specific radiodetermination applications – Tank Level Probing Radar (TLPR) and Level Probing Radar (LPR) equipment operating in the frequency ranges 116 GHz to 148,5 GHz, 167 GHz to 182 GHz and 231,5 GHz to 250 GHz

Uređaji kratkoga dometa (SRD) za uporabu u frekvencijskom pojasu od 40 GHz do 260 GHz – Harmonizirana norma za pristup radijskom spektru – 6. dio: Posebne primjene u radiodeterminaciji – Radarski uređaj za ispitivanje razine tvari u spremniku (TLPR) i radarski uređaj za ispitivanje razine tvari (LPR) koji rade u frekvencijskim pojasi od 116 GHz do 148,5 GHz, od 167 GHz do 182 GHz i od 231,5 GHz do 250 GHz

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

EN 16511:2023/prA1 en

Modular mechanical locked floor coverings (MMF) – Specification, requirements and test method for multilayer modular panels for floating installation  
Modularne podne obloge s mehaničkim spajanjem (MMF) – Specifikacije, zahtjevi i metode ispitivanja za višeslojne modularne ploče za postavljanje bez lijepljenja (plivajući pod)

prEN 16810 en

Resilient, textile, laminate and modular mechanical locked floor coverings, underlays – Environmental product declarations – Product category rules

prEN 18135 en

Resilient, textile, laminate and modular mechanical locked floor coverings – Circular Economy – Floor coverings and underlays passport

EN ISO 20768:2021/prA1 en

Vapour products – Routine analytical vaping machine – Definitions and standard conditions – Amendment 1: Correction of puff profile requirements (ISO 20768:2018/DAmD1:2024)

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

prEN ISO 8502-5 en

Preparation of steel substrates before application of paints and related products – Tests for the assessment of surface cleanliness – Part 5: Measurement of chloride on steel surfaces prepared for painting (ion detection tube method) (ISO/DIS 8502-5:2024)  
Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Ispitivanja za procjenu čistoće površine – 5. dio: Mjerenje klorida na čeličnim površinama pripremljenim za bojenje (metoda ionske detekcijske tube) (ISO/DIS 8502-5:2024)

prEN ISO 15715 en

Binders for paints and varnishes – Determination of turbidity (ISO/DIS 15715:2024)  
Veziva za boje i lakove – Određivanje mutnoće (ISO/DIS 15715:2024)

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

prEN ISO 15382 en

Radiological protection – Procedures for monitoring the dose to the lens of the eye, the skin and the extremities (ISO/DIS 15382:2024)  
Radiološka zaštita – Postupci za praćenje doze ozračenosti očnih leća, kože i ekstremiteta (ISO/DIS 15382:2024)

prEN ISO 19361 en

Measurement of radioactivity – Determination of beta emitters activities – Test method using liquid scintillation counting (ISO/DIS 19361:2024)  
Mjerenje radioaktivnosti – Određivanje aktivnosti izvora beta zračenja – Metoda ispitivanja pomoću tekućinske scintilacije (ISO/DIS 19361:2024)

prEN ISO 21362 en

Nanotechnologies – Analysis of nano-objects using asymmetrical flow and centrifugal field-flow fractionation (ISO/DIS 21362:2024)  
Nanotehnologije – Analiza nano objekata upotrebom asimetričnoga protoka i frakcioniranja centrifugalnoga polja protoka (ISO/DIS 21362:2024)

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

prEN ISO 11609 en

Dentistry – Dentifrices – Requirements, test methods and marking (ISO/DIS 11609:2024)  
Stomatologija – Zubne paste – Zahtjevi, metode ispitivanja i označavanje (ISO/DIS 11609:2024)

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

prEN 2002-001 en

Aerospace series – Metallic materials – Test methods – Part 1: Tensile testing at ambient temperature  
Zrakoplovstvo – Metalni materijali – Metode ispitivanja – 1. dio: Ispitivanje istezanja pri temperaturi okoline

prEN 2002-002 en

Aerospace series – Metallic materials – Test methods – Part 2: Tensile testing at elevated temperature  
Zrakoplovstvo – Metalni materijali – Metode ispitivanja – 2. dio: Ispitivanje istezanja pri povišenoj temperaturi

prEN 2480 en

Aerospace series – Steel FE-PL2108 (36NiCrMo16) – 1 250 MPa ≤ R<sub>m</sub> ≤ 1 400 MPa – Bars – De ≤ 75 mm  
Zrakoplovstvo – Čelik FE-PL2108 (36NiCrMo16) – 1250 MPa ≤ R<sub>m</sub> ≤ 1400 MPa – Šipke – De ≤ 75 mm

prEN 3155-015 en

Aerospace series – Electrical contacts used in elements of connection – Part 015: Contacts, electrical, female, type A, crimp, class S – Product standard  
Zrakoplovstvo – Električni kontakti koji se upotrebljavaju u elementima za povezivanje – Dio 015: Kontakti, električni, ženski, tip A, za krimpiranje, razreda S – Norma za proizvod

prEN 3278 en

Aerospace series – Sleeves, tubular, protruding head, in corrosion resisting steel, passivated (0,25 mm wall thickness)  
Zrakoplovstvo – Navlake, cjevaste, s izbočenom glavom, od čelika otpornog na koroziju, pasivizirane (debljina stijenke 0,25 mm)

prEN 3545-005 en

Aerospace series – Connectors, electrical, rectangular, with sealed and non-sealed rear, plastic housing, locking device, operating temperatures – 55 °C to 175 °C – Part 005: Female coding and attachment System for mounting on free housing (plug) – Product standard  
Zrakoplovstvo – Spojnice, električne, pravokutne, sa zabrtvljenom ili nezabrtvljenom zadnjom stranom, plastičnim kućištem, uređajem za osiguranje, radne temperature od -55 °C do 175 °C – Dio 005: Sustav označavanja i priključivanja utičnice za ugradnju na slobodno kućište (utikač) – Norma za proizvod

prEN 4162 en

Aerospace series – Screw, 100° countersunk normal head, offset cruciform recess, coarse tolerance normal shank, medium length thread, in alloy steel, cadmium plated – Classification: 1 100 MPa (at ambient temperature)/235 °C  
Zrakoplovstvo – Vijci sa 100° upuštenom normalnom glavom, s ujednačenim križnim urezom, normalnog struka grube tolerancije, srednje dužine navoja, od legure čelika, prevučeni kadmijem – Klasifikacija: 1100 MPa (pri temperaturi okoline) / 235 °C

prEN 4165-018 en

Aerospace series – Connectors, electrical, rectangular, modular – Operating temperature 175 °C continuous – Part 018: Protective cover for 1, 2 and 4 module receptacles series 2 and 3 – Product standard

prEN 9242 en

Aerospace series – Programme management – Guide for establishing and implementing a development plan

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

prEN IEC 61076-2-111:2024 en

Connectors for electrical and electronic equipment – Product requirements – Part 2-111: Circular connectors – Detail specification for power connectors with m12 screw-locking (IEC 61076-2-111 ED2)

FprEN IEC 61188-6-3:2024 en

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 ED1)



prEN IEC 63349-1:2024 en  
Photovoltaic direct-driven appliance controllers – Part 1:  
General requirement (IEC 63349-1 ED1)

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

prEN IEC 60086-2-1:2024 en  
Primary batteries – Part 2-1: Physical and electrical specifications  
of batteries with aqueous electrolyte (IEC 60086-2-1 ED1)

prEN IEC 60086-2-2:2024 en  
Primary batteries – Part 2-2: Physical and electrical  
specifications of lithium batteries (IEC 60086-2-2 ED1)

prEN IEC 61116:2024 en  
Electromechanical equipment guide for small hydroelectric  
installations (IEC 61116 ED2)

prEN IEC 62841-3-16:2024 en  
Electric motor-operated hand-held tools, transportable  
tools and lawn and garden machinery – Safety – Part 3-16:  
Particular requirements for transportable belt sanders, disc  
sanders and belt/disc sanders (IEC 62841-3-16 ED1)

prEN IEC 63522-54:2024 en  
Electrical relays – Tests and measurements – Part 54: Critical  
DC load current test (IEC 63522-54 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 ISO 11812:2018 en  
Mala plovila – Vodonepropusni kokpiti i brzoprazneći kokpiti  
(ISO 11812:2001; EN ISO 11812:2018)  
Small craft – Watertight cockpits and quick-draining cockpits  
(ISO 11812:2001; EN ISO 11812:2018)  
- zamijenjena s: HRN EN ISO 11812:2024

HRN EN ISO 15085:2005 en  
Mala plovila – Čovjek u moru, sprečavanje i spašavanje  
(ISO 15085:2003; EN ISO 15085:2003)  
Small craft – Man-overboard prevention and recovery  
(ISO 15085:2003; EN ISO 15085:2003)  
- zamijenjena s: HRN EN ISO 15085:2024

HRN EN ISO 15085:2005/A2:2018 en  
Mala plovila – Čovjek u moru, sprečavanje i spašavanje  
(ISO 15085:2003/Amd 2:2017; EN ISO 15085:2003/A2:2018)  
Small craft – Man-overboard prevention and recovery  
(ISO 15085:2003/Amd 2:2017; EN ISO 15085:2003/A2:2018)  
- zamijenjena s: HRN EN ISO 15085:2024

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

HRN EN 589:2022/NA:2023 hr  
Goriva za motorna vozila – UNP – Zahtjevi i metode ispitivanja  
– Nacionalni dodatak  
Automotive fuels – LPG – Requirements and test methods  
– National Annex  
- bez zamjene

HRN EN 589:2022/NA:2023/Ispr.1:2023 hr  
Goriva za motorna vozila – UNP – Zahtjevi i metode ispitivanja  
– Nacionalni dodatak  
Automotive fuels – LPG – Requirements and test methods  
– National Annex  
- bez zamjene

HRN ISO 8217:2017 en  
Naftni proizvodi – Goriva (razred F) – Specifikacije brodskih  
goriva (ISO 8217:2017)  
Petroleum products – Fuels (class F) – Specifications of  
marine fuels (ISO 8217:2017)  
- zamijenjena s: HRN ISO 8217:2024

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

HRN EN ISO 712:2010 en  
Žitarice i proizvodi od žitarica – Određivanje količine vode  
– Referentna metoda (ISO 712:2009; EN ISO 712:2009)  
Cereals and cereal products – Determination of moisture  
content – Reference method (ISO 712:2009; EN ISO 712:2009)  
- zamijenjena s: HRN EN ISO 712-1:2024

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

HRN EN ISO 544:2018 en  
Dodatni i potrošni materijali za zavarivanje – Tehnički uvjeti  
isporuke za dodatne materijale za zavarivanje – Vrsta  
proizvoda, dimenzije, dopuštena odstupanja i označavanje  
(ISO 544:2017; EN ISO 544:2017)  
Welding consumables – Technical delivery conditions for  
filler materials and fluxes – Type of product, dimensions,  
tolerances and markings (ISO 544:2017; EN ISO 544:2017)  
- zamijenjena s: HRN EN ISO 544:2024

HRN EN ISO 14344:2010 en  
Dodatni i potrošni materijali za zavarivanje – Nabavka dodatnih  
materijala i praškova (ISO 14344:2010; EN ISO 14344:2010)  
Welding consumables – Procurements of filler materials and  
fluxes (ISO 14344:2010; EN ISO 14344:2010)  
- zamijenjena s: HRN EN ISO 14344:2024

HRN EN ISO 15614-5:2007 en

Specifikacija i kvalifikacija postupaka zavarivanja za metalne materijale – Ispitivanje postupka zavarivanja – 5. dio: Elektrolučno zavarivanje titana, cirkonija i njihovih legura (ISO 15614-5:2004; EN ISO 15614-5:2004)  
Specification and qualification of welding procedures for metallic materials – Welding procedure test – Part 5: Arc welding of titanium, zirconium and their alloys (ISO 15614-5:2004; EN ISO 15614-5:2004)  
- zamijenjena s: HRN EN ISO 15614-5:2024

### **HZN/TO 92, Zaštita od požara**

HRN EN 1366-10:2022 en

Ispitivanja otpornosti na požar servisnih instalacija – 10. dio: Zaklopke za upravljanje dimom (EN 1366-10:2022)  
Fire resistance tests for service installations – Part 10: Smoke control dampers (EN 1366-10:2022)  
- zamijenjena s: HRN EN 1366-10:2024

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

HRN EN 16156:2010 en

Cigarete – Ocjenjivanje svojstva zapaljivosti – Sigurnosni zahtjevi (EN 16156:2010)  
Cigarettes – Assessment of the ignition propensity – Safety requirement (EN 16156:2010)  
- zamijenjena s: HRN EN 16156:2024

### **HZN/TO 136, Namještaj**

HRN EN 15338:2010 en

Okov za namještaj – Čvrstoća i izdržljivost izvlačnih elemenata i njihovih dijelova (EN 15338:2007+A1:2010)  
Hardware for furniture – Strength and durability of extension elements and their components (EN 15338:2007+A1:2010)  
- zamijenjena s: HRN EN 15338:2024

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

HRN ISO 7935:1997 en

Emisije iz stacionarnih izvora – Određivanje masene koncentracije sumporovog dioksida – Značajke rada automatskih mjernih metoda (ISO 7935:1992)  
Stationary source emissions – Determination of the mass concentration of sulfur dioxide – Performance characteristics of automated measuring methods (ISO 7935:1992)  
- zamijenjena s: HRN ISO 7935:2024

HRN ISO 12141:2010 en

Emisije iz stacionarnih izvora – Određivanje masene koncentracije čestica (prašine) niskih koncentracija – Ručna gravimetrijska metoda (ISO 12141:2002)  
Stationary source emissions – Determination of mass concentration of particulate matter (dust) at low concentration – Manual gravimetric method (ISO 12141:2002)  
- zamijenjena s: HRN ISO 12141:2024

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

HRN EN 603-2:2001 en

Aluminij i aluminijeve legure – Istisnuti ili valjani materijal namijenjen kovanju – 2. dio: Mehanička svojstva (EN 603-2:1996)  
Aluminium and aluminium alloys – Wrought forging stock – Part 2: Mechanical properties (EN 603-2:1996)  
- zamijenjena s: HRN EN 603-2:2024

HRN EN 10088-2:2015 en

Nehrđajući čelici – 2. dio: Tehnički uvjeti isporuke za limove/ploče i trake od korozijski postojanih čelika za opće namjene (EN 10088-2:2014)  
Stainless steels – Part 2: Technical delivery conditions for sheet/plate and strip of corrosion resisting steels for general purposes (EN 10088-2:2014)  
- zamijenjena s: HRN EN 10088-2:2024

HRN EN 29658:2008 en

Čelik – Određivanje sadržaja aluminija – Spektrometrijska metoda atomske apsorpcije plamena (ISO 9658:1990; EN 29658:1991)  
Steel – Determination of aluminium content – Flame atomic absorption spectrometric method (ISO 9658:1990; EN 29658:1991)  
- zamijenjena s: HRN EN ISO 9658:2024

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

HRN EN 334:2019 en

Regulatori tlaka za ulazni tlak plina do 100 bara (EN 334:2019)  
Gas pressure regulators for inlet pressure up to 10 MPa (100 bar) (EN 334:2019)  
- zamijenjena s: HRN EN 334:2024

HRN EN 14382:2019 en

Sigurnosni zaporni uređaji za ulazni tlak plina do 100 bara (EN 14382:2019)  
Gas safety shut-off devices for inlet pressure up to 100 bar (EN 14382:2019)  
- zamijenjena s: HRN EN 14382:2024

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

HRN EN ISO 10427-1:2002 en

Industrija nafte i prirodnog plina – Centralizeri za zaštitne cijevi – 1. dio: Centralizeri s lisnatim oprugama za zaštitne cijevi (ISO 10427-1:2001; EN ISO 10427-1:2001)  
Petroleum and natural gas industries – Casing centralizers – Part 1: Bow-spring casing centralizers (ISO 10427-1:2001; EN ISO 10427-1:2001)  
- zamijenjena s: HRN EN ISO 10427-1:2024

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

HRS CEN/TS 15427-1-2:2021 en

Željeznički sustav – Upravljanje trenjem između kotača i tračnica – Dio 1-2: Oprema i primjena – Materijali za gornju površinu tračnica (CEN/TS 15427-1-2:2021)  
Railway applications – Wheel/Rail friction management – Part 1-2: Equipment and Application – Top of Rail materials (CEN/TS 15427-1-2:2021)  
- zamijenjena s: HRS CEN/TS 15427-1-2:2024

HRS CEN/TS 15427-1-3:2021 en

Željeznički sustav – Upravljanje trenjem između kotača i tračnica – Dio 1-3: Oprema i primjena – Adhezijski materijali (CEN/TS 15427-1-3:2021)  
Railway applications – Wheel/Rail friction management – Part 1-3: Equipment and Application – Adhesion materials (CEN/TS 15427-1-3:2021)  
- zamijenjena s: HRS CEN/TS 15427-1-3:2024

HRS CEN/TS 15427-2-2:2021 en

Željeznički sustav – Upravljanje trenjem između kotača i tračnica – Dio 2-2: Svojstva i značajke – Materijali za gornju površinu tračnica (CEN/TS 15427-2-2:2021)  
Railway applications – Wheel/Rail friction management – Part 2-2: Properties and Characteristics – Top of Rail materials (CEN/TS 15427-2-2:2021)  
- zamijenjena s: HRS CEN/TS 15427-2-2:2024

HRS CEN/TS 15427-2-3:2021 en

Željeznički sustav – Upravljanje trenjem između kotača i tračnica – Dio 2-3: Svojstva i značajke – Adhezijski materijali (CEN/TS 15427-2-3:2021)  
Railway applications – Wheel/Rail friction management – Part 2-3: Properties and Characteristics – Adhesion materials (CEN/TS 15427-2-3:2021)  
- zamijenjena s: HRS CEN/TS 15427-2-3:2024

HRN EN 15624:2021 en

Željeznički sustav – Kočenje – Mjenjač prazno-tovareno (EN 15624:2021)  
Railway applications – Braking – Empty-loaded changeover devices (EN 15624:2021)  
- zamijenjena s: HRN EN 15624:2024

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

HRN ISO 6973:2004 en

Rastavljivi kovani lanci za konvejere (ISO 6973:1986)  
Drop-forged rivetless chains for conveyors (ISO 6973:1986)  
- bez zamjene

HRN ISO 6984:2001 en

Okrugla nelegirana čelična žica za čeličnu užad u izvoznim postrojenjima rudnika – Specifikacija (ISO 6984:1990)  
Round non-alloy steel wires for stranded wire ropes for mine hoisting – Specification (ISO 6984:1990)  
- bez zamjene

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

HRN EN ISO 9773:2008 en  
Plastika – Određivanje ponašanja pri gorenju tankih, savitljivih vertikalnih ispitaka u dodiru s izvorom zapaljenja s malim plamenom (ISO 9773:1998; EN ISO 9773:1998+A1:2003)  
Plastics – Determination of burning behaviour of thin flexible vertical specimens in contact with a small-flame ignition source (ISO 9773:1998; EN ISO 9773:1998+A1:2003)  
- zamijenjena s: HRN EN ISO 9773:2024

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

HRN EN ISO 21012:2019 en  
Kriogenične posude – Crijeva (ISO 21012:2018; EN ISO 21012:2018)  
Cryogenic vessels – Hoses (ISO 21012:2018; EN ISO 21012:2018)  
- zamijenjena s: HRN EN ISO 21012:2024

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

HRN ISO 7905-4:2008 en  
Klizni ležajevi – Oštećenja ležajeva – 4. dio: Ispitivanja poluležajeva izrađenih iz metalnog višeslojnoga ležajnog materijala (ISO 7905-4:1995)  
Plain bearings – Bearing fatigue – Part 4: Tests on half-bearings of a metallic multilayer bearing material (ISO 7905-4:1995)  
- zamijenjena s: HRN ISO 7905-4:2024

HRN ISO 9083:2009 en  
Proračun nosivosti cilindričnih zupčanika s ravnim ili kosim zubima – Primjena za brodske zupčanike (ISO 9083:2001)  
Calculation of load capacity of spur and helical gears – Application to marine gears (ISO 9083:2001)  
- bez zamjene

HRN ISO 16287:2008 en  
Klizni ležajevi – Termoplastične čahure – Mjere i tolerancije (ISO 16287:2005)  
Plain bearings – Thermoplastic bushes – Dimensions and tolerances (ISO 16287:2005)  
- zamijenjena s: HRN ISO 16287:2024

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

HRN EN 817:2009 en  
Sanitarne armature – Mehaničke miješalice (PN 10) – Opće tehničke specifikacije (EN 817:2008)  
Sanitary tapware – Mechanical mixing valves (PN 10) – General technical specifications (EN 817:2008)  
- zamijenjena s: HRN EN 817:2024

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

HRN EN 353-2:2008 en  
Osobna zaštitna oprema protiv pada s visine – 2. dio: Naprave za zaustavljanje pada s vodilicom uključujući prilagodljivu sidrenu liniju (EN 353-2:2002)  
Personal protective equipment against falls from a height – Part 2: Guided type fall arresters including a flexible anchor line (EN 353-2:2002)  
- zamijenjena s: HRN EN 353-2:2024

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

HRN EN ISO 2411:2017 en  
Plošni tekstil naslojen gumom ili plastikom – Određivanje adhezije naslojavanja (ISO 2411:2017; EN ISO 2411:2017)  
Rubber- or plastics-coated fabrics – Determination of coating adhesion (ISO 2411:2017; EN ISO 2411:2017)  
- zamijenjena s: HRN EN ISO 2411:2024

## **HZN/TO 569, *Hrana za životinje***

HRS CEN/TS 17174:2020 en  
Hrana za životinje: Metode uzorkovanja i analize – Kriteriji prihvatljivosti za interno validirane metode analize i metode analize validirane suradničkim pokusima za određivanje teških metala (CEN/TS 17174:2018)  
Animal feeding stuffs: Methods of sampling and analysis – Performance criteria for single laboratory validated and ring-trial validated methods of analysis for the determination of heavy metals (CEN/TS 17174:2018)  
- zamijenjena s: HRN EN ISO 17174:2024

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

HRN EN 62056-3-1:2014 en  
Razmjena podataka mjerenja električne energije – Oprema DLMS/COSEM (Device Language Message Specification / Companion Specification for Energy Metering) – Dio 3-1: Uporaba upletenim paricama izvedenih lokalnih mreža sa nositeljem signala (IEC 62056-3-1:2013; EN 62056-3-1:2014)  
Electricity metering data exchange – The DLMS/COSEM suite – Part 3-1: Use of local area networks on twisted pair with carrier signalling (IEC 62056-3-1:2013; EN 62056-3-1:2014)  
- zamijenjena s: HRN EN IEC 62056-3-1:2021

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

HRN EN 61226:2011 en  
Nuklearne elektrane – Instrumentacija i upravljanje važni za sigurnost – Razredba instrumentacijskih i upravljačkih funkcija (IEC 61226:2009; EN 61226:2010)  
Nuclear power plants – Instrumentation and control important to safety – Classification of instrumentation and control functions (IEC 61226:2009; EN 61226:2010)  
- zamijenjena s: HRN EN IEC 61226:2021

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

HRN EN IEC 61968-3:2018 en  
Integracija aplikacija u elektroprivredi – Sučelja za sustave upravljanja u distribuciji – 3. dio: Sučelje za upravljanje distribucijskom mrežom (IEC 61968-3:2017; EN IEC 61968-3:2018)  
Application integration at electric utilities – System interfaces for distribution management – Part 3: Interface for network operations (IEC 61968-3:2017; EN IEC 61968-3:2018)  
- zamijenjena s: HRN EN IEC 61968-3:2021

HRN EN 61968-13:2011 en  
Integracija aplikacija u elektroprivredi – Sučelja za sustave upravljanja u distribuciji – 13. dio: CIM RDF format za razmjenu modela za distribuciju (IEC 61968-13:2008; EN 61968-13:2008)  
Application integration at electric utilities – System interfaces for distribution management – Part 13: CIM RDF Model exchange format for distribution (IEC 61968-13:2008; EN 61968-13:2008)  
- zamijenjena s: HRN EN IEC 61968-13:2021

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

HRN EN 60601-2-1:2015 en  
Medicinska električna oprema – Dio 2-1: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke elektronskih akceleratora u području od 1 MeV do 50 MeV (IEC 60601-2-1:2009+am1:2014; EN 60601-2-1:2015)  
Medical electrical equipment – Part 2-1: Particular requirements for the basic safety and essential performance of electron accelerators in the range 1 MeV to 50 MeV (IEC 60601-2-1:2009+am1:2014; EN 60601-2-1:2015)  
- zamijenjena s: HRN EN IEC 60601-2-1:2021

HRN EN 60601-2-19:2010 en  
Medicinski električni uređaji – Dio 2-19: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke inkubatora za novorođenčad (IEC 60601-2-19:2009; EN 60601-2-19:2009)  
Medical electrical equipment – Part 2-19: Particular requirements for the basic safety and essential performance of infant incubators (IEC 60601-2-19:2009; EN 60601-2-19:2009)  
- zamijenjena s: HRN EN IEC 60601-2-19:2021

HRN EN 60601-2-19:2010/A11:2012 en  
Medicinski električni uređaji – Dio 2-19: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke inkubatora za novorođenčad (EN 60601-2-19:2009/A11:2011)  
Medical electrical equipment – Part 2-19: Particular requirements for the basic safety and essential performance of infant incubators (EN 60601-2-19:2009/A11:2011)  
- zamijenjena s: HRN EN IEC 60601-2-19:2021

HRN EN 60601-2-19:2010/A1:2017 en  
Medicinski električni uređaji – Dio 2-19: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke inkubatora za novorođenčad (IEC 60601-2-19:2009/am1:2016; EN 60601-2-19:2009/A1:2016)  
Medical electrical equipment – Part 2-19: Particular requirements for the basic safety and essential performance of infant incubators (IEC 60601-2-19:2009/am1:2016; EN 60601-2-19:2009/A1:2016)  
- zamijenjena s: HRN EN IEC 60601-2-19:2021

HRN EN 60601-2-21:2010 en

Medicinski električni uređaji – Dio 2-21: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke za grijače novorođenčadi koji griju zračenjem (IEC 60601-2-21:2009; EN 60601-2-21:2009)  
Medical electrical equipment – Part 2-21: Particular requirements for the basic safety and essential performance of infant radiant warmers (IEC 60601-2-21:2009; EN 60601-2-21:2009)  
- zamijenjena s: HRN EN 60601-2-21:2021

HRN EN 60601-2-21:2010/A11:2012 en

Medicinski električni uređaji – Dio 2-21: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke za grijače novorođenčadi koji griju zračenjem (EN 60601-2-21:2009/A11:2011)  
Medical electrical equipment – Part 2-21: Particular requirements for the basic safety and essential performance of infant radiant warmers (EN 60601-2-21:2009/A11:2011)  
- zamijenjena s: HRN EN 60601-2-21:2021

HRN EN 60601-2-21:2010/A1:2017 en

Medicinski električni uređaji – Dio 2-21: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke za grijače novorođenčadi koji griju zračenjem (EN 60601-2-21:2009/am1:2016; EN 60601-2-21:2009/A1:2016)  
Medical electrical equipment – Part 2-21: Particular requirements for the basic safety and essential performance of infant radiant warmers (EN 60601-2-21:2009/am1:2016; EN 60601-2-21:2009/A1:2016)  
- zamijenjena s: HRN EN 60601-2-21:2021

HRN EN 60601-2-41:2010 en

Medicinska električna oprema – Dio 2-41: Posebni zahtjevi za sigurnost i bitne radne značajke kirurške i dijagnostičke opreme za osvjetljavanje (IEC 60601-2-41:2009; EN 60601-2-41:2009)  
Medical electrical equipment – Part 2-41: Particular requirements for basic safety and essential performance of surgical luminaires and luminaires for diagnosis (IEC 60601-2-41:2009; EN 60601-2-41:2009)  
- zamijenjena s: HRN EN IEC 60601-2-41:2022

HRN EN 60601-2-41:2010/A11:2012 en

Medicinski električni uređaji – Dio 2-41: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke kirurške i dijagnostičke opreme za osvjetljavanje (EN 60601-2-41:2009/A11:2011)  
Medical electrical equipment – Part 2-41: Particular requirements for basic safety and essential performance of surgical luminaires and luminaires for diagnosis (EN 60601-2-41:2009/A11:2011)  
- zamijenjena s: HRN EN IEC 60601-2-41:2022

HRN EN 60601-2-41:2010/A1:2015 en

Medicinska električna oprema – Dio 2-41: Posebni zahtjevi za sigurnost i bitne radne značajke kirurške i dijagnostičke opreme za osvjetljavanje (IEC 60601-2-41:2009/am1:2013; EN 60601-2-41:2009/A1:2015)  
Medical electrical equipment – Part 2-41: Particular requirements for basic safety and essential performance of surgical luminaires and luminaires for diagnosis (IEC 60601-2-41:2009/am1:2013; EN 60601-2-41:2009/A1:2015)  
- zamijenjena s: HRN EN IEC 60601-2-41:2022

HRN EN 60601-2-50:2010 en

Medicinska električna oprema – Dio 2-50: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke opreme za fototerapiju novorođenčadi (IEC 60601-2-50:2009+Corr.1:2010; EN 60601-2-50:2009)  
Medical electrical equipment – Part 2-50: Particular requirements for the basic safety and essential performance of infant phototherapy equipment (IEC 60601-2-50:2009+Corr.1:2010; EN 60601-2-50:2009)  
- zamijenjena s: HRN EN IEC 60601-2-50:2021

HRN EN 60601-2-50:2010/A11:2012 en

Medicinski električni uređaji – Dio 2-50: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke uređaja za fototerapiju novorođenčadi (EN 60601-2-50:2009/A11:2011)  
Medical electrical equipment – Part 2-50: Particular requirements for the basic safety and essential performance of infant phototherapy equipment (EN 60601-2-50:2009/A11:2011)  
- zamijenjena s: HRN EN IEC 60601-2-50:2021

HRN EN 60601-2-50:2010/A1:2017 en

Medicinska električna oprema – Dio 2-50: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke opreme za fototerapiju novorođenčadi (IEC 60601-2-50:2009/am1:2016; EN 60601-2-50:2009/A1:2016)  
Medical electrical equipment – Part 2-50: Particular requirements for the basic safety and essential performance of infant phototherapy equipment (IEC 60601-2-50:2009/am1:2016; EN 60601-2-50:2009/A1:2016)  
- zamijenjena s: HRN EN IEC 60601-2-50:2021

HRN EN 62464-2:2012 en

Uređaji za dobivanje medicinskih slika pomoću magnetske rezonancije – 2. dio: Kriteriji (mjerila) razredbe impulsnih nizova (IEC 62464-2:2010; EN 62464-2:2011)  
Magnetic resonance equipment for medical imaging – Part 2: Classification criteria for pulse sequences (IEC 62464-2:2010; EN 62464-2:2011)  
- bez zamjene

HRN EN 80601-2-35:2010 en

Medicinska električna oprema – Dio 2-35: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke uređaja za grijanje koji upotrebljavaju pokrivače, jastuke i madrace, a namijenjeni su za grijanje u medicinske svrhe (IEC 80601-2-35:2009; EN 80601-2-35:2009)  
Medical electrical equipment – Part 2-35: Particular requirements for the basic safety and essential performance of heating devices using blankets, pads and mattresses and intended for heating in medical use (IEC 80601-2-35:2009; EN 80601-2-35:2009)  
- zamijenjena s: HRN EN IEC 60601-2-35:2021

HRN EN 80601-2-35:2010/A11:2012 en

Medicinska električna oprema – Dio 2-35: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke uređaja za grijanje koji upotrebljavaju pokrivače, jastuke i madrace, a namijenjeni su za grijanje u medicinske svrhe (EN 80601-2-35:2009/A11:2011)  
Medical electrical equipment – Part 2-35: Particular requirements for the basic safety and essential performance of heating devices using blankets, pads and mattresses and intended for heating in medical use (EN 80601-2-35:2009/A11:2011)  
- zamijenjena s: HRN EN IEC 60601-2-35:2021

HRN EN 80601-2-35:2010/A1:2017 en

Medicinska električna oprema – Dio 2-35: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke uređaja za grijanje koji upotrebljavaju pokrivače, jastuke i madrace, a namijenjeni su za grijanje u medicinske svrhe (IEC 80601-2-35:2009/am1:2016; EN 80601-2-35:2009/A1:2016)  
Medical electrical equipment – Part 2-35: Particular requirements for the basic safety and essential performance of heating devices using blankets, pads and mattresses and intended for heating in medical use (IEC 80601-2-35:2009/am1:2016; EN 80601-2-35:2009/A1:2016)  
- zamijenjena s: HRN EN IEC 60601-2-35:2021

HRN EN 80601-2-35:2010/Ispr.1:2015 en

Medicinska električna oprema – Dio 2-35: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke uređaja za grijanje koji upotrebljavaju pokrivače, jastuke i madrace, a namijenjeni su za grijanje u medicinske svrhe (IEC 80601-2-35:2009/Corr.2:2015; EN 80601-2-35:2009/AC:2015)  
Medical electrical equipment – Part 2-35: Particular requirements for the basic safety and essential performance of heating devices using blankets, pads and mattresses and intended for heating in medical use (IEC 80601-2-35:2009/Corr.2:2015; EN 80601-2-35:2009/AC:2015)  
- zamijenjena s: HRN EN IEC 60601-2-35:2021

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

HRN EN 61326-1:2013 en

Električna oprema za mjerenje, vođenje i laboratorijsku uporabu – Zahtjevi za elektromagnetsku kompatibilnost (EMC) – 1. dio: Opći zahtjevi (IEC 61326-1:2012; EN 61326-1:2013)  
Electrical equipment for measurement, control and laboratory use – EMC requirements – Part 1: General requirements (IEC 61326-1:2012; EN 61326-1:2013)  
- zamijenjena s: HRN EN IEC 61326-1:2021

- HRN EN 61326-2-1:2013 en  
Električna oprema za mjerenje, vođenje i laboratorijsku uporabu – Zahtjevi za elektromagnetsku kompatibilnost (EMC) – Dio 2-1: Posebni zahtjevi – Ispitne konfiguracije, radni uvjeti i kriteriji djelovanja za osjetljivu ispitnu i mjernu opremu za EMC nezaštićene primjene (IEC 61326-2-1:2012; EN 61326-2-1:2013)  
Electrical equipment for measurement, control and laboratory use – EMC requirements – Part 2-1: Particular requirements – Test configurations, operational conditions and performance criteria for sensitive test and measurement equipment for EMC unprotected applications (IEC 61326-2-1:2012; EN 61326-2-1:2013)  
- zamijenjena s: HRN EN IEC 61326-2-1:2021
- HRN EN 61326-2-2:2013 en  
Električna oprema za mjerenje, vođenje i laboratorijsku uporabu – Zahtjevi za elektromagnetsku kompatibilnost (EMC) – Dio 2-2: Posebni zahtjevi – Ispitna konfiguracija, radni uvjeti i kriteriji djelovanja u nisko naponskim distribucijskim sustavima (IEC 61326-2-2:2012; EN 61326-2-2:2013)  
Electrical equipment for measurement, control and laboratory use – EMC requirements – Part 2-2: Particular requirements – Test configurations, operational conditions and performance criteria for portable test, measuring and monitoring equipment used in low-voltage distribution systems (IEC 61326-2-2:2012; EN 61326-2-2:2013)  
- zamijenjena s: HRN EN IEC 61326-2-2:2021
- HRN EN 61326-2-3:2013 en  
Električna oprema za mjerenje, vođenje i laboratorijsku uporabu – Zahtjevi za elektromagnetsku kompatibilnost (EMC) – Dio 2-3: Posebni zahtjevi – Ispitna konfiguracija, radni uvjeti i kriteriji djelovanja za pretvornike s integriranim ili daljinskom prilagodbom signala (IEC 61326-2-3:2012; EN 61326-2-3:2013)  
Electrical equipment for measurement, control and laboratory use – EMC requirements – Part 2-3: Particular requirements – Test configuration, operational conditions and performance criteria for transducers with integrated or remote signal conditioning (IEC 61326-2-3:2012; EN 61326-2-3:2013)  
- zamijenjena s: HRN EN IEC 61326-2-3:2021
- HRN EN 61326-2-4:2013 en  
Električna oprema za mjerenje, vođenje i laboratorijsku uporabu – Zahtjevi za elektromagnetsku kompatibilnost (EMC) – Dio 2-4: Posebni zahtjevi – Ispitna konfiguracija, radni uvjeti i kriteriji djelovanja za uređaje za motrenje izolacije prema IEC 61557-8 i za opremu za traženje pogrešaka izolacije prema IEC 61557-9 (IEC 61326-2-4:2012; EN 61326-2-4:2013)  
Electrical equipment for measurement, control and laboratory use – EMC requirements – Part 2-4: Particular requirements – Test configurations, operational conditions and performance criteria for insulation monitoring devices according to IEC 61557-8 and for equipment for insulation fault location according to IEC 61557-9 (IEC 61326-2-4:2012; EN 61326-2-4:2013)  
- zamijenjena s: HRN EN IEC 61326-2-4:2021
- HRN EN 61326-2-5:2013 en  
Električna oprema za mjerenje, vođenje i laboratorijsku uporabu – Zahtjevi za elektromagnetsku kompatibilnost (EMC) – Dio 2-5: Posebni zahtjevi – Ispitna konfiguracija, radni uvjeti i kriteriji djelovanja za vanjske uređaje sa sučeljima prema IEC 61784-1 (IEC 61326-2-5:2012; EN 61326-2-5:2013)  
Electrical equipment for measurement, control and laboratory use – EMC requirements – Part 2-5: Particular requirements – Test configurations, operational conditions and performance criteria for devices with field bus interfaces according to IEC 61784-1 (IEC 61326-2-5:2012; EN 61326-2-5:2013)  
- zamijenjena s: HRN EN IEC 61326-2-5:2021
- HRN EN 61326-2-6:2013 en  
Električna oprema za mjerenje, vođenje i laboratorijsku uporabu – Zahtjevi za elektromagnetsku kompatibilnost (EMC) – Dio 2-6: Posebni zahtjevi – Medicinski uređaji za in vitro dijagnostiku (IEC 61326-2-6:2012; EN 61326-2-6:2013)  
Electrical equipment for measurement, control and laboratory use – EMC requirements – Part 2-6: Particular requirements – In vitro diagnostic (IVD) medical equipment (IEC 61326-2-6:2012; EN 61326-2-6:2013)  
- zamijenjena s: HRN EN IEC 61326-2-6:2021
- HRN EN 61784-3-13:2018 en  
Industrijske komunikacijske mreže – Profili – Dio 3-13: Industrijske sabirnice (fieldbus) za funkcijsku sigurnost – Dodatne specifikacije za CPF 13 (IEC 61784-3-13:2016; EN 61784-3-13:2017)  
Industrial communication networks – Profiles – Part 3-13: Functional safety fieldbuses – Additional specifications for CPF 13 (IEC 61784-3-13:2016; EN 61784-3-13:2017)  
- zamijenjena s: HRN EN IEC 61784-3-13:2021
- HRN EN 61784-3-2:2017 en  
Industrijske komunikacijske mreže – Profili – Dio 3-2: Industrijske sabirnice (fieldbus) za funkcijsku sigurnost – Dodatne specifikacije za CPF 2 (IEC 61784-3-2:2016; EN 61784-3-2:2017)  
Industrial communication networks – Profiles – Part 3-2: Functional safety fieldbuses – Additional specifications for CPF 2 (IEC 61784-3-2:2016; EN 61784-3-2:2017)  
- zamijenjena s: HRN EN IEC 61784-3-2:2021
- HRN EN 61784-3-3:2018 en  
Industrijske komunikacijske mreže – Profili – Dio 3-3: Industrijske sabirnice (fieldbus) za funkcijsku sigurnost – Dodatne specifikacije za CPF 3 (IEC 61784-3-3:2016; EN 61784-3-3:2017)  
Industrial communication networks – Profiles – Part 3-3: Functional safety fieldbuses – Additional specifications for CPF 3 (IEC 61784-3-3:2016; EN 61784-3-3:2017)  
- zamijenjena s: HRN EN IEC 61784-3-3:2021
- HRN EN 61784-3-8:2018 en  
Industrijske komunikacijske mreže – Profili – Dio 3-8: Industrijske sabirnice (fieldbus) za funkcijsku sigurnost – Dodatne specifikacije za CPF 8 (IEC 61784-3-8:2016; EN 61784-3-8:2017)  
Industrial communication networks – Profiles – Part 3-8: Functional safety fieldbuses – Additional specifications for CPF 8 (IEC 61784-3-8:2016; EN 61784-3-8:2017)  
- zamijenjena s: HRN EN IEC 61784-3-8:2021
- HZN/TO E72, Naprave za automatsko upravljanje u kućanstvu**
- HRN EN 60730-1:2000 en  
Električne naprave za automatsko upravljanje u kućanstvu i sličnu uporabu – 1. dio: Opći zahtjevi (IEC 60730-1:1993, preinačena+A1:1994, preinačena+A2:1997; EN 60730-1:1995+A11:1996+A12:1996+A1:1997+A2:1998+A14:1998+A15:1998+A16:1999)  
Automatic electrical controls for household and similar use – Part 1: General requirements (IEC 60730-1:1993, modified+A1:1994, modified+A2:1997; EN 60730-1:1995+A11:1996+A12:1996+A1:1997+A2:1998+A14:1998+A15:1998+A16:1999)  
- zamijenjena s: HRN EN 60730-1:2007
- HRN EN 60730-1:2000/A17:2004 en  
Električne naprave za automatsko upravljanje u kućanstvu i sličnu uporabu – 1. dio: Opći zahtjevi – Amandman na članke 1, 7, 23, 26 i dodatak H europske norme da bi udovoljila zahtjeve smjernice o elektromagnetskoj kompatibilnosti (EMC) (EN 60730-1:1995/A17:2000)  
Automatic electrical controls for household and similar use – Part 1: General requirements – Amendment to clauses 1, 7, 23, 26 and annex H of EN to comply with EMC Directive (EN 60730-1:1995/A17:2000)  
- zamijenjena s: HRN EN 60730-1:2007
- HRN EN 60730-1:2000/A18:2004 en  
Električne naprave za automatsko upravljanje u kućanstvu i sličnu uporabu – 1. dio: Opći zahtjevi (EN 60730-1:1995/A18:2003)  
Automatic electrical controls for household and similar use – Part 1: General requirements (EN 60730-1:1995/A18:2003)  
- bez zamjene
- HRN EN 60730-1:2000/Corr.:2007 en  
Električne naprave za automatsko upravljanje u kućanstvu i sličnu uporabu – 1. dio: Opći zahtjevi (EN 60730-1:1995/Corr.:2007)  
Automatic electrical controls for household and similar use – Part 1: General requirements (EN 60730-1:1995/Corr.:2007)  
- bez zamjene
- HZN/TO E79, Alarmni sustavi**
- HRN EN 50134-5:2009 en  
Alarmni sustavi – Socijalni alarmni sustavi – 5. dio: Veze i komunikacije (EN 50134-5:2004)  
Alarm systems – Social alarm systems – Part 5: Interconnections and communications (EN 50134-5:2004)  
- zamijenjena s: HRN EN 50134-5:2021

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

HRN EN IEC 61162-460:2018 en  
Pomorska navigacijska i radiokomunikacijska oprema i sustavi – Digitalno sučelje – 460. dio: Više govornika i više slušatelja – Ethernet povezivanje – Sigurnost i zaštita (IEC 61162-460:2018; EN IEC 61162-460:2018)  
Maritime navigation and radiocommunication equipment and systems – Digital interfaces – Part 460: Multiple talkers and multiple listeners – Ethernet interconnection – Safety and security (IEC 61162-460:2018; EN IEC 61162-460:2018)  
- bez zamjene

HRN EN IEC 61162-460:2018/A1:2020 en  
Pomorska navigacijska i radiokomunikacijska oprema i sustavi – Digitalno sučelje – 460. dio: Više govornika i više slušatelja – Ethernet povezivanje – Sigurnost i zaštita (IEC 61162-460:2018/am1:2020; EN IEC 61162-460:2018/am1:2020)  
Maritime navigation and radiocommunication equipment and systems – Digital interfaces – Part 460: Multiple talkers and multiple listeners – Ethernet interconnection – Safety and security (IEC 61162-460:2018/am1:2020; EN IEC 61162-460:2018/am1:2020)  
- bez zamjene

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

HRN EN 60051-2:2008 en  
Pokazni analogni električni mjerni instrumenti s izravnim djelovanjem i njihov pribor – 2. dio: Posebni zahtjevi za ampermetre i voltmetre (IEC 60051-2:1984; EN 60051-2:1989)  
Direct acting indicating analogue electrical measuring instruments and their accessories – Part 2: Special requirements for ammeters and voltmeters (IEC 60051-2:1984; EN 60051-2:1989)  
- zamijenjena s: HRN EN 60051-2:2021

HRN EN 60051-3:2008 en  
Pokazni analogni električni mjerni instrumenti s izravnim djelovanjem i njihov pribor – 3. dio: Posebni zahtjevi za vatmetre i varmetre (IEC 60051-3:1984+am1:1994; EN 60051-3:1989+A1:1995)  
Direct acting indicating analogue electrical measuring instruments and their accessories – Part 3: Special requirements for wattmeters and varmeters (IEC 60051-3:1984+am1:1994; EN 60051-3:1989+A1:1995)  
- zamijenjena s: HRN EN IEC 60051-3:2021

HRN EN 60051-4:2008 en  
Pokazni analogni električni mjerni instrumenti s izravnim djelovanjem i njihov pribor – 4. dio: Posebni zahtjevi za mjerila frekvencije (IEC 60051-4:1984; EN 60051-4:1989)  
Direct acting indicating analogue electrical measuring instruments and their accessories – Part 4: Special requirements for frequency meters (IEC 60051-4:1984; EN 60051-4:1989)  
- zamijenjena s: HRN EN 60051-4:2021

HRN EN 60051-9:2008 en  
Pokazni analogni električni mjerni instrumenti s izravnim djelovanjem i njihov pribor – 9. dio: Preporučene metode ispitivanja (IEC 60051-9:1988+am1:1994+am2:1995; EN 60051-9:1989+A1:1995+A2:1995)  
Direct acting indicating analogue electrical-measuring instruments and their accessories – Part 9: Recommended test methods (IEC 60051-9:1988+am1:1994+am2:1995; EN 60051-9:1989+A1:1995+A2:1995)  
- zamijenjena s: HRN EN 60051-9:2021

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

HRN EN 60958-1:2011 en  
Digitalno audiosučelje – 1. dio: Općenito (IEC 60958-1:2008; EN 60958-1:2008)  
Digital audio interface – Part 1: General (IEC 60958-1:2008; EN 60958-1:2008)  
- zamijenjena s: HRN EN IEC 60958-1:2021

HRN EN 60958-1:2011/A1:2014 en  
Digitalno audiosučelje – 1. dio: Općenito (IEC 60958-1:2008/am1:2014; EN 60958-1:2008/A1:2014)  
Digital audio interface – Part 1: General (IEC 60958-1:2008/am1:2014; EN 60958-1:2008/A1:2014)  
- zamijenjena s: HRN EN IEC 60958-1:2021

HRN EN 60958-3:2008 en  
Digitalno audiosučelje – 3. dio: Uređaji za široku potrošnju (IEC 60958-3:2006; EN 60958-3:2006)  
Digital audio interface – Part 3: Consumer applications (IEC 60958-3:2006; EN 60958-3:2006)  
- zamijenjena s: HRN EN IEC 60958-3:2021

HRN EN 60958-3:2008/A1:2011 en  
Digitalno audiosučelje – 3. dio: Uređaji za široku potrošnju (IEC 60958-3:2006/am1:2009; EN 60958-3:2006/A1:2010)  
Digital audio interface – Part 3: Consumer applications (IEC 60958-3:2006/am1:2009; EN 60958-3:2006/A1:2010)  
- zamijenjena s: HRN EN IEC 60958-3:2021

HRN EN 60958-3:2008/A2:2015 en  
Digitalno audiosučelje – 3. dio: Uređaji za široku potrošnju (IEC 60958-3:2006/am2:2015; EN 60958-3:2006/A2:2015)  
Digital audio interface – Part 3: Consumer applications (IEC 60958-3:2006/am2:2015; EN 60958-3:2006/A2:2015)  
- zamijenjena s: HRN EN IEC 60958-3:2021

HRN EN IEC 62680-1-2:2020 en  
Sučelja univerzalnih serijskih sabirnica za podatke i napajanje – Dio 1-2: Opći dijelovi – Specifikacija USB-a za isporuku energije (IEC 62680-1-2:2019; EN IEC 62680-1-2:2020)  
Universal serial bus interfaces for data and power – Part 1-2: Common components – USB Power Delivery specification (IEC 62680-1-2:2019; EN IEC 62680-1-2:2020)  
- zamijenjena s: HRN EN IEC 62680-1-2:2021

HRN EN 63002:2017 en  
Metoda prepoznavanja i interoperabilnosti komunikacije s vanjskim izvorima napajanja koji se upotrebljavaju kod prijenosnih računala (TA 14) (IEC 63002:2016; EN 63002:2017)  
Identification and communication interoperability method for external power supplies used with portable computing devices (TA 14) (IEC 63002:2016; EN 63002:2017)  
- zamijenjena s: HRN EN IEC 63002:2021

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

HRN IEC/TS 61956:2005 en  
Metode ispitivanja za procjenu nakupljanja vlage u izolacijskim materijalima (IEC/TS 61956:1999)  
Methods of test for the evaluation of water treeing in insulating materials (IEC/TS 61956:1999)  
- bez zamjene

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

HRI CLC/TR 50600-99-3:2024 en  
Informacijska tehnologija – Sredstva i infrastrukture podatkovnih centara – Dio 99-3: Vodiči za primjenu niza norma HRN EN 50600 (CLC/TR 50600-99-3:2018)  
Information technology – Data centre facilities and infrastructures – Part 99-3: Guidance to the application of EN 50600 series (CLC/TR 50600-99-3:2018)  
- bez zamjene

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

HRN EN ISO 2884-1:2008 en  
Boje i lakovi – Određivanje viskoznosti rotacijskim viskozimetrom – 1. dio: Konusno-pločasti viskozimetar s velikom obodnom brzinom (ISO 2884-1:1999; EN ISO 2884-1:2006)  
Paints and varnishes – Determination of viscosity using rotary viscometers – Part 1: Cone-and-plate viscometer operated at a high rate of shear (ISO 2884-1:1999; EN ISO 2884-1:2006)  
- zamijenjena s: HRN EN ISO 2884-1:2024

HRN EN ISO 19403-2:2020 en  
Boje i lakovi – Kvašenje – 2. dio: Određivanje slobodne površinske energije krute površine mjerenjem kontaktnog kuta (ISO 19403-2:2017; EN ISO 19403-2:2020)  
Paints and varnishes – Wettability – Part 2: Determination of the surface free energy of solid surfaces by measuring the contact angle (ISO 19403-2:2017; EN ISO 19403-2:2020)  
- zamijenjena s: HRN EN ISO 19403-2:2024

HRN EN ISO 19403-3:2020 en  
Boje i lakovi – Kvašenje – 3. dio: Određivanje površinske napetosti tekućina metodom viseće kapi (ISO 19403-3:2017; EN ISO 19403-3:2020)  
Paints and varnishes – Wettability – Part 3: Determination of the surface tension of liquids using the pendant drop method (ISO 19403-3:2017; EN ISO 19403-3:2020)  
- zamijenjena s: HRN EN ISO 19403-3:2024

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

HRN EN 455-1:2022 en

Medicinske rukavice za jednokratnu upotrebu – 1. dio: Zahtjevi i ispitivanje na postojanje rupa (EN 455-1:2020+A1:2022)  
Medical gloves for single use – Part 1: Requirements and testing for freedom from holes (EN 455-1:2020+A1:2022)  
- zamijenjena s: HRN EN 455-1:2024

HRN EN ISO 7199:2017 en

Kardiovaskularni implantati i umjetni organi – Izmjenjivači plinova u krvi (uređaji za obogaćivanje krvi kisikom) (ISO 7199:2016; EN ISO 7199:2017)  
Cardiovascular implants and artificial organs – Blood-gas exchangers (oxygenators) (ISO 7199:2016; EN ISO 7199:2017)  
- zamijenjena s: HRN EN ISO 7199:2024

HRN EN ISO 7199:2017/A1:2020 en

Kardiovaskularni implantati i umjetni organi – Izmjenjivači plinova u krvi (uređaji za obogaćivanje krvi kisikom) – Amandman 1: Spojnici (ISO 7199:2016/Amd 1:2020; EN ISO 7199:2017/A1:2020)  
Cardiovascular implants and artificial organs – Blood-gas exchangers (oxygenators) – Amendment 1: Connectors (ISO 7199:2016/Amd 1:2020; EN ISO 7199:2017/A1:2020)  
- zamijenjena s: HRN EN ISO 7199:2024

HRN EN ISO 8536-13:2016 en

Oprema za infuziju za medicinsku primjenu – 13. dio: Regulatori protoka sa stupnjevanjem za jednokratnu upotrebu u kontaktu s tekućinom (ISO 8536-13:2016; EN ISO 8536-13:2016)  
Infusion equipment for medical use – Part 13: Graduated flow regulators for single use with fluid contact (ISO 8536-13:2016; EN ISO 8536-13:2016)  
- zamijenjena s: HRN EN ISO 8536-13:2024

## 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 134, Gnojiva i poboljšivači tla

- **umjesto**

HRN EN 1482-4:2024

Gnojiva, tvari za kalcizaciju i inhibitori – Uzorkovanje i priprema **uzoraka** – 4. dio: Uzorkovanje za prisutnost mikroorganizama (EN 1482-4:2024)  
Fertilizers, liming materials and inhibitors – Sampling and sample preparation – Part 4: Sampling for microbial presence (EN 1482-4:2024)

- **treba biti**

HRN EN 1482-4:2024

Gnojiva, tvari za kalcizaciju i inhibitori – Uzorkovanje i priprema **uzorka** – 4. dio: Uzorkovanje za prisutnost mikroorganizama (EN 1482-4:2024)  
Fertilizers, liming materials and inhibitors – Sampling and sample preparation – Part 4: Sampling for microbial presence (EN 1482-4:2024)

- **umjesto**

HRN EN 12048:2001

Kruta gnojiva i **poboljšivači tla** – Određivanje sadržaja **vode** – Gravimetrijska metoda sušenjem pri (105+/-2) °C (ISO 8190:1992 modificirana; EN 12048:1996, ispravljena 1996)  
Solid fertilizers and liming materials – Determination of moisture content – Gravimetric method by drying at (105+/-2) °C (ISO 8190:1992, modified; EN 12048:1996, Corrected 1996)

- **treba biti**

HRN EN 12048:2001

Kruta gnojiva i **tvari za kalcizaciju** – Određivanje sadržaja **vlage** – Gravimetrijska metoda sušenjem pri (105+/-2) °C (ISO 8190:1992, modificirana; EN 12048:1996, ispravljena 1996)  
Solid fertilizers and liming materials – Determination of moisture content – Gravimetric method by drying at (105+/-2) °C (ISO 8190:1992, modified; EN 12048:1996, Corrected 1996)

- **umjesto**

HRN EN 12049:2002

Kruta gnojiva i tvari za kalcizaciju – Određivanje **udjela vlage** – Gravimetrijska metoda sušenjem pod smanjenim pritiskom (ISO 8189:1992, mod.; EN 12049:1996)  
Solid fertilizers and liming materials – Determination of moisture content – Gravimetric method by drying under reduced pressure (ISO 8189:1992, mod.; EN 12049:1996)

- **treba biti**

HRN EN 12049:2002

Kruta gnojiva i tvari za kalcizaciju – Određivanje **sadržaja vlage** – Gravimetrijska metoda sušenjem pod smanjenim pritiskom (ISO 8189:1992, mod.; EN 12049:1996)  
Solid fertilizers and liming materials – Determination of moisture content – Gravimetric method by drying under reduced pressure (ISO 8189:1992, mod.; EN 12049:1996)

- **umjesto**

HRN CR 13456:2005

Poboljšivači tla i **sredstva za rast** – Deklariranje, specifikacije i redoslijed proizvoda (CR 13456:1999)  
Soil improvers and growing media – Labelling, specifications and product schedules (CR 13456:1999)

- **treba biti**

HRN CR 13456:2005

Poboljšivači tla i **supstrati** – Deklariranje, specifikacije i redoslijed proizvoda (CR 13456:1999)  
Soil improvers and growing media – Labelling, specifications and product schedules (CR 13456:1999)

- **umjesto**

HRN EN 13475:2003

**Poboljšivači tla** – Određivanje sadržaja kalcija – Oksalatna metoda (EN 13475:2001)  
Liming materials – Determination of calcium content – Oxalate method (EN 13475:2001)

- **treba biti**

HRN EN 13475:2003

**Tvari za kalcizaciju** – Određivanje sadržaja kalcija – Oksalatna metoda (EN 13475:2001)  
Liming materials – Determination of calcium content – Oxalate method (EN 13475:2001)

- **umjesto**

HRN EN 13654-1:2005

Poboljšivači tla i **sredstva za rast** – Određivanje dušika – 1. dio: Modificirana Kjeldahlova metoda (EN 13654-1:2001)  
Soil improvers and growing media – Determination of nitrogen – Part 1: Modified Kjeldahl metoda (EN 13654-1:2001)

- **treba biti**

HRN EN 13654-1:2005

Poboljšivači tla i **supstrati** – Određivanje dušika – 1. dio: Modificirana Kjeldahlova metoda (EN 13654-1:2001)  
Soil improvers and growing media – Determination of nitrogen – Part 1: Modified Kjeldahl metoda (EN 13654-1:2001)

- **umjesto**

HRN EN 13654-2:2008

Poboljšivači tla i supstrati – 2. dio: Dumasova metoda (EN 13654-2:2001)  
Soil improvers and growing media – Determination of nitrogen – Part 2: Dumas method (EN 13654-2:2001)

- **treba biti**

HRN EN 13654-2:2008

Poboljšivači tla i supstrati – **Određivanje dušika** – 2. dio: Dumasova metoda (EN 13654-2:2001)  
Soil improvers and growing media – Determination of nitrogen – Part 2: Dumas method (EN 13654-2:2001)

- **umjesto**

HRN EN 14397-2:2008

Gnojiva i tvari za **kalcifikaciju** – Određivanje **ugličnog** dioksida – 2. dio: Metoda za tvari za **kalcifikaciju** (EN 14397-2:2004)  
Fertilizers and liming materials – Determination of carbon dioxide – Part 2: Method for liming materials (EN 14397-2:2004)

- **treba biti**

HRN EN 14397-2:2008

Gnojiva i tvari za **kalcizaciju** – Određivanje **uglikovog** dioksida – 2. dio: Metoda za tvari za **kalcizaciju** (EN 14397-2:2004)  
Fertilizers and liming materials – Determination of carbon dioxide – Part 2: Method for liming materials (EN 14397-2:2004)

- **umjesto**

HRN EN 17816:2023

**Materijali** za kalcizaciju – Određivanje fizikalnih i kemijskih svojstava i specifičnih kontaminanata (EN 17816:2023)  
Liming materials – Determination of physical and chemical properties and specific contaminants (EN 17816:2023)

- **treba biti**

HRN EN 17816:2023

**Tvari** za kalcizaciju – Određivanje fizikalnih i kemijskih svojstava i specifičnih kontaminanata (EN 17816:2023)  
Liming materials – Determination of physical and chemical properties and specific contaminants (EN 17816:2023)

### HZN/TO 548, Konstrukcijski eurokodovi

- **umjesto**

HRN EN 1993-1-13:2024

Eurokod 3 – Projektiranje čeličnih konstrukcija – Dio 1-13: **Pravila za grede s velikim otvorima u hrptu** (EN 1993-1-13:2024)  
Eurocode 3 – Design of steel structures – Part 1-13: Beams with large web openings (EN 1993-1-13:2024)

- **treba biti**

HRN EN 1993-1-13:2024

Eurokod 3 – Projektiranje čeličnih konstrukcija – Dio 1-13: **Grede s velikim otvorima u hrptu** (EN 1993-1-13:2024)  
Eurocode 3 – Design of steel structures – Part 1-13: Beams with large web openings (EN 1993-1-13:2024)



## HZN/TO 555, *Medicinski proizvodi*

- **umjesto**

HRN EN ISO 80369-2:2024

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

- **treba biti**

HRN EN ISO 80369-2:2024

Spojnice malog promjera za tekućine i plinove za primjenu u zdravstvu – 2. dio: Spojnici za respiratornu primjenu (ISO 80369-2:2024, **ispravljena verzija 2024-09**; EN ISO 80369-2:2024)  
Small-bore connectors for liquids and gases in healthcare applications – Part 2: Connectors for respiratory applications (ISO 80369-2:2024, **Corrected version 2024-09**; EN ISO 80369-2:2024)

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

- **umjesto**

HRN EN 60601-2-3:2015

Medicinski električni uređaji – Dio 2-3: Posebni **sigurnosni** zahtjevi za osnovnu sigurnost i bitne radne značajke kratkovaljnih terapijskih uređaja (IEC 60601-2-3:2012; EN 60601-2-3:2015)  
Medical electrical equipment – Part 2-3: Particular requirements for the basic safety and essential performance of short-wave therapy equipment (IEC 60601-2-3:2012; EN 60601-2-3:2015)

- **treba biti**

HRN EN 60601-2-3:2015

Medicinska električna oprema – Dio 2-3: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke kratkovaljnih terapijskih uređaja (IEC 60601-2-3:2012; EN 60601-2-3:2015)  
Medical electrical equipment – Part 2-3: Particular requirements for the basic safety and essential performance of short-wave therapy equipment (IEC 60601-2-3:2012; EN 60601-2-3:2015)

- **umjesto**

HRN EN 60601-2-3:2015/A1:2016

Medicinski električni uređaji – Dio 2-3: Posebni **sigurnosni** zahtjevi za osnovnu sigurnost i bitne radne značajke kratkovaljnih terapijskih uređaja (IEC 60601-2-3:2012/am1:2016; EN 60601-2-3:2015/A1:2016)  
Medical electrical equipment – Part 2-3: Particular requirements for the basic safety and essential performance of short-wave therapy equipment (IEC 60601-2-3:2012/am1:2016; EN 60601-2-3:2015/A1:2016)

- **treba biti**

HRN EN 60601-2-3:2015/A1:2016

Medicinska električna oprema – Dio 2-3: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke kratkovaljnih terapijskih uređaja (IEC 60601-2-3:2012/am1:2016; EN 60601-2-3:2015/A1:2016)  
Medical electrical equipment – Part 2-3: Particular requirements for the basic safety and essential performance of short-wave therapy equipment (IEC 60601-2-3:2012/am1:2016; EN 60601-2-3:2015/A1:2016)

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

- **umjesto**

HRN EN 60825-2:2008

Sigurnost laserskih proizvoda – 2. dio: Sigurnost komunikacijskih sustava s optičkim vlaknima (IEC 60825-2:2004+am1:2006; EN 60825-2:2004+A1:2007)  
Safety of laser products – Part 2: Safety of optical fibre communication systems (OFCS) (IEC 60825-2:2004+am1:2006; EN 60825-2:2004+A1:2007)

- **treba biti**

HRN EN 60825-2:2008

Sigurnost laserskih proizvoda – 2. dio: Sigurnost komunikacijskih sustava s optičkim vlaknima (**OFCS**) (IEC 60825-2:2004+am1:2006; EN 60825-2:2004+A1:2007)  
Safety of laser products – Part 2: Safety of optical fibre communication systems (OFCS) (IEC 60825-2:2004+am1:2006; EN 60825-2:2004+A1:2007)

- **umjesto**

HRN EN 60825-2:2008/A2:2010

Sigurnost laserskih proizvoda – 2. dio: Sigurnost komunikacijskih sustava s optičkim vlaknima (**KSOV**) (IEC 60825-2:2004/am2:2010; EN 60825-2:2004/A2:2010)  
Safety of laser products – Part 2: Safety of optical fibre communication systems (OFCS) (IEC 60825-2:2004/am2:2010; EN 60825-2:2004/A2:2010)

- **treba biti**

HRN EN 60825-2:2008/A2:2010

Sigurnost laserskih proizvoda – 2. dio: Sigurnost komunikacijskih sustava s optičkim vlaknima (**OFCS**) (IEC 60825-2:2004/am2:2010; EN 60825-2:2004/A2:2010)  
Safety of laser products – Part 2: Safety of optical fibre communication systems (OFCS) (IEC 60825-2:2004/am2:2010; EN 60825-2:2004/A2:2010)

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

- **umjesto**

HRN EN IEC 60601-2-66:2020

Medicinska električna oprema – Dio 2-66: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke slušnih **instrumenata** i sustava **slušnih instrumenata** (IEC 60601-2-66:2019; EN IEC 60601-2-66:2020)  
Medical electrical equipment – Part 2-66: Particular requirements for the basic safety and essential performance of hearing aids and hearing aid systems (IEC 60601-2-66:2019; EN IEC 60601-2-66:2020)

- **treba biti**

HRN EN IEC 60601-2-66:2020

Medicinska električna oprema – Dio 2-66: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke slušnih **pomagala** i sustava **sa slušnim pomagalima** (IEC 60601-2-66:2019; EN IEC 60601-2-66:2020)  
Medical electrical equipment – Part 2-66: Particular requirements for the basic safety and essential performance of hearing aids and hearing aid systems (IEC 60601-2-66:2019; EN IEC 60601-2-66:2020)

## 2 Rezultati mednarodne i evropske normizacije

### Evropska normizacija (CEN)

Oznaka norme	Naslov norme	ICS	Datum objave
EN 480-6	Admixtures for concrete, mortar and grout – Test methods – Part 6: Infrared analysis	91.100.10; 91.100.30	kolovoz 2024.
EN 1143-2	Secure storage units – Requirements, classification and methods of tests for resistance to burglary – Part 2: Deposit systems	13.310	kolovoz 2024.
EN 1514-1	Flanges and their joints – Dimensions of gaskets for PN-designated flanges – Part 1: Non-metallic flat gaskets with or without inserts	23.040.80	kolovoz 2024.
EN 2467	Aerospace series – Steel X2CrNi18-9 (1.4307) – Air melted – Softened – Plates, sheets and strips – $0,4 \text{ mm} \leq a \leq 20 \text{ mm}$ – $520 \text{ MPa} \leq R_m \leq 670 \text{ MPa}$	49.025.10	kolovoz 2024.
EN 2821	Aerospace series – Steel X5CrNiCu15-5 (1.4545) – Consumable electrode remelted – Solution treated and precipitation treated – Bars for machining – $a$ or $D \leq 200 \text{ mm}$ – $R_m \geq 1\ 310 \text{ MPa}$	49.025.10	kolovoz 2024.
EN 3155-015/A1	Aerospace series – Electrical contacts used in elements of connection – Part 015: Contacts, electrical, female, type A, crimp, class S – Product standard	49.060	kolovoz 2024.
EN 3361	Aerospace series – Steel X5CrNiCu15-5 (1.4545) – Consumable electrode remelted – Solution treated and and precipitation treated – Sheets and strips – $a \leq 6 \text{ mm}$ – $1\ 070 \text{ MPa} \leq R_m \leq 1\ 220 \text{ MPa}$	49.025.10	kolovoz 2024.
EN 3488	Aerospace series – Steel X6CrNiTi18-10 (1.4541) – Air melted – Softened – Sheet and strip – $a \leq 6 \text{ mm}$ – $500 \text{ MPa} \leq R_m \leq 700 \text{ MPa}$	49.025.10	kolovoz 2024.
EN 4258	Aerospace series – Metallic materials – General organization of standardization – Link between types of European Standards and their use	01.120; 49.025.05; 49.025.15	kolovoz 2024.
EN 4500-001	Aerospace series – Metallic materials – Rules for drafting and presentation of material standards – Part 001: General rules	01.120; 49.025.05; 49.025.15	kolovoz 2024.
EN 4500-002	Aerospace series – Metallic materials – Rules for drafting and presentation of material standards – Part 002: Specific rules for aluminium, aluminium alloys and magnesium alloys	01.120; 49.025.05; 49.025.15	kolovoz 2024.
EN 4500-003	Aerospace series – Metallic materials – Rules for drafting and presentation of material standards – Part 003: Specific rules for heat resisting alloys	01.120; 49.025.05; 49.025.15	kolovoz 2024.
EN 4500-004	Aerospace series – Metallic materials – Rules for drafting and presentation of material standards – Part 004: Specific rules for titanium and titanium alloys	01.120; 49.025.30	kolovoz 2024.
EN 4500-005	Aerospace series – Metallic materials – Rules for drafting and presentation of material standards – Part 005: Specific rules for steels	01.120; 49.025.10	kolovoz 2024.
EN 4500-006	Aerospace series – Metallic materials – Rules for drafting and presentation of material standards – Part 006: Specific rules for filler metals for brazing	01.120; 49.025.05; 49.025.15	kolovoz 2024.
EN 4630	Aerospace series – Steel X4CrNiMo16-5-1 (1.4418) – Air melted – Hardened and tempered – Forgings – $D_e \leq 200 \text{ mm}$ – $900 \text{ MPa} \leq R_m \leq 1\ 050 \text{ MPa}$	49.025.10	kolovoz 2024.
EN 4631	Aerospace series – Steel X4CrNiMo16-5-1 (1.4418) – Air melted – Hardened and tempered – Bars – $D_e \leq 200 \text{ mm}$ – $900 \text{ MPa} \leq R_m \leq 1\ 050 \text{ MPa}$	49.025.10	kolovoz 2024.
EN 4641-301	Aerospace series – Cables, optical, 125 $\mu\text{m}$ diameter cladding – Part 301: Tight structure 50/125 $\mu\text{m}$ GI, fibre nominal 1,8 mm, outside diameter – Product standard	49.090	kolovoz 2024.
EN 9239	Aerospace series – Programme management – Recommendations to implement risk management and opportunity management	49.020	kolovoz 2024.
EN 12259-14+A2	Fixed firefighting systems – Components for sprinkler and water spray systems – Part 14: Sprinklers for residential applications	13.220.20	kolovoz 2024.
EN 12560-1	Flanges and their joints – Dimensions of gaskets for Class-designated flanges – Part 1: Non-metallic flat gaskets with or without inserts	23.040.80	kolovoz 2024.
EN 13445-5+A1	Unfired pressure vessels – Part 5: Inspection and testing	23.020.30	kolovoz 2024.
EN 13451-1+A1	Swimming pool equipment – Part 1: General safety requirements and test methods for equipment installed in pools for public use	97.220.10	kolovoz 2024.

Oznaka norme	Naslov norme	ICS	Datum objave
EN 13880-3	Hot applied joint sealants – Part 3: Test method for the determination of penetration and recovery (resilience)	93.080.20	kolovoz 2024.
EN 13880-4	Hot applied joint sealants – Part 4: Test method for the characterization of heat resistance – Change in penetration value	93.080.20	kolovoz 2024.
EN 14587-2	Railway applications – Infrastructure – Flash butt welding of new rails – Part 2: R200, R220, R260, R260Mn, R320Cr, R350HT, R350LHT, R370CrHT and R400HT grade rails by mobile welding machines at sites other than a fixed plant	25.160.10; 93.100	kolovoz 2024.
EN 15288-1+A1	Swimming pools for public use – Part 1: Safety requirements for design	97.220.10	kolovoz 2024.
EN 15346	Plastics – Recycled plastics – Characterization of poly(vinyl chloride) (PVC) recyclates	13.030.50; 83.080.20	kolovoz 2024.
EN 15347-1	Plastics – Sorted plastics wastes – Part 1: General characterisation	13.030.50; 83.080.01	kolovoz 2024.
EN 16942	Fuels – Identification of vehicle compatibility – Graphical expression for consumer information	75.160.20	kolovoz 2024.
EN 17955	Industrial valves – Functional safety of safety-related automated valves	23.060.01	kolovoz 2024.
EN 17963	Natural gas vehicles – LNG vehicle fuelling procedures	43.080.01; 75.200	kolovoz 2024.
EN 18031-1	Common security requirements for radio equipment – Part 1: Internet connected radio equipment	35.030	kolovoz 2024.
EN 18031-2	Common security requirements for radio equipment – Part 2: radio equipment processing data, namely Internet connected radio equipment, childcare radio equipment, toys radio equipment and wearable radio equipment	33.060.20	kolovoz 2024.
EN 18031-3	Common security requirements for radio equipment – Part 3: Internet connected radio equipment processing virtual money or monetary value	33.060.20	kolovoz 2024.
CWA 18133	Raman instruments calibration and verification protocols	17.180.30	kolovoz 2024.
CWA 18134	Raman instruments twinning protocol	17.180.30	kolovoz 2024.
EN 50171/AC	Central safety power supply systems	29.200	kolovoz 2024.
EN 50463-3/A1	Railway applications – Energy measurement on board trains – Part 3: Data handling	45.060.10	kolovoz 2024.
EN IEC 60228	Conductors of insulated cables (IEC 60228:2023)	29.060.20	kolovoz 2024.
EN IEC 60300-1	Dependability management – Part 1: Managing dependability (IEC 60300-1:2024)	03.100.40; 03.100.70; 03.120.01; 21.020; 29.020	kolovoz 2024.
EN 60317-0-9/A1	Specifications for particular types of winding wires – Part 0-9: General requirements – Enamelled rectangular aluminium wire (IEC 60317-0-9:2015/AMD1:2024)	29.060.10	kolovoz 2024.
EN 60317-8/A1	Specifications for particular types of winding wires – Part 8: Polyesterimide enamelled round copper wire, class 180 (IEC 60317-8:2010/AMD1:2024)	29.060.10	kolovoz 2024.
EN 60317-13/A1	Specifications for particular types of winding wires – Part 13: Polyester or polyesterimide overcoated with polyamide-imide enamelled round copper wire, class 200 (IEC 60317-13:2010/AMD1:2024)	29.060.10	kolovoz 2024.
EN 60317-15/A2	Specifications for particular types of winding wires – Part 15: Polyesterimide enamelled round aluminium wire, class 180 (IEC 60317-15:2004/AMD2:2024)	29.060.10	kolovoz 2024.
EN IEC 60317-27-3/A1	Specifications for particular types of winding wires – Part 27-3: Paper tape covered rectangular copper wire (IEC 60317-27-3:2019/AMD1:2024)	29.060.10	kolovoz 2024.
EN IEC 60317-27-4/A1	Specifications for particular types of winding wires – Part 27-4: Paper tape covered rectangular aluminium wire (IEC 60317-27-4:2020/AMD1:2024)	29.060.10	kolovoz 2024.
EN 60317-28/A1	Specifications for particular types of winding wires – Part 28: Polyesterimide enamelled rectangular copper wire, class 180 (IEC 60317-28:2013/AMD1:2024)	29.060.10	kolovoz 2024.

Oznaka norme	Naslov norme	ICS	Datum objave
EN 60317-35/A2	Specifications for particular types of winding wires – Part 35: Solderable polyurethane enamelled round copper wire, class 155, with a bonding layer (IEC 60317-35:2013/AMD2:2024)	29.060.10	kolovoz 2024.
EN 60317-36/A2	Specifications for particular types of winding wires – Part 36: Solderable polyesterimide enamelled round copper wire, class 180, with a bonding layer (IEC 60317-36:2013/AMD2:2024)	29.060.10	kolovoz 2024.
EN 60317-37/A1	Specifications for particular types of winding wires – Part 37: Polyesterimide enamelled round copper wire, class 180, with a bonding layer (IEC 60317-37:2013/AMD1:2024)	29.060.10	kolovoz 2024.
EN 60317-38/A1	Specifications for particular types of winding wires – Part 38: Polyester or polyesterimide overcoated with polyamide-imide, enamelled round copper wire, class 200, with a bonding layer (IEC 60317-38:2013/AMD1:2024)	29.060.10	kolovoz 2024.
EN 60317-46/A1	Specifications for particular types of winding wires – Part 46: Aromatic polyimide enamelled round copper wire, class 240 (IEC 60317-46:2013/AMD1:2024)	29.060.10	kolovoz 2024.
EN 60317-47/A1	Specifications for particular types of winding wires – Part 47: Aromatic polyimide enamelled rectangular copper wire, class 240 (IEC 60317-47:2013/AMD1:2024)	29.060.10	kolovoz 2024.
EN 60317-57/A1	Specifications for particular types of winding wires – Part 57: Polyamide-imide enamelled round copper wire, class 220 (IEC 60317-57:2010/AMD1:2024)	29.060.10	kolovoz 2024.
EN 60317-58/A1	Specifications for particular types of winding wires – Part 58: Polyamide-imide enamelled rectangular copper wire, class 220 (IEC 60317-58:2010/AMD1:2024)	29.060.10	kolovoz 2024.
EN 60317-59/A1	Specifications for particular types of winding wires – Part 59: Polyamide-imide enamelled round copper wire, class 240 (IEC 60317-59:2015/AMD1:2024)	29.060.10	kolovoz 2024.
EN 60317-68/A2	Specifications for particular types of winding wires – Part 68: Polyvinyl acetal enamelled rectangular aluminium wire, class 120 (IEC 60317-68:2017/AMD2:2024)	29.060.10	kolovoz 2024.
EN 60317-69/A1	Specifications for particular types of winding wires – Part 69: Polyester or polyesterimide overcoated with polyamide-imide enamelled rectangular aluminium wire, class 220 (IEC 60317-69:2017/AMD1:2024)	29.060.10	kolovoz 2024.
EN IEC 60317-73/A1	Specifications for particular types of winding wires – Part 73: Polyester or polyesterimide overcoated with polyamide-imide enamelled rectangular aluminium wire, class 200 (IEC 60317-73:2018/AMD1:2024)	29.060.10	kolovoz 2024.
EN IEC 60317-74/A1	Specifications for particular types of winding wires – Part 74: Polyesterimide enamelled rectangular aluminium wire, class 180 (IEC 60317-74:2018/AMD1:2024)	29.060.10	kolovoz 2024.
EN IEC 60317-82/A1	Specifications for particular types of winding wires – Part 82: Polyesterimide enamelled rectangular copper wire, class 200 (IEC 60317-82:2020/AMD1:2024)	29.060.10	kolovoz 2024.
EN IEC 60384-21	Fixed capacitors for use in electronic equipment – Part 21: Sectional specification – Fixed surface mount multilayer capacitors of ceramic dielectric, Class 1 (IEC 60384-21:2024)	31.060.10; 31.060.20	kolovoz 2024.
EN IEC 60384-22	Fixed capacitors for use in electronic equipment – Part 22: Sectional specification – Fixed surface mount multilayer capacitors of ceramic dielectric, Class 2 (IEC 60384-22:2024)	31.060.10; 31.060.20	kolovoz 2024.
EN IEC 60422	Mineral insulating oils in electrical equipment – Supervision and maintenance guidance (IEC 60422:2024)	29.040.10	kolovoz 2024.
EN 60670-22/A1	Boxes and enclosures for electrical accessories for household and similar fixed electrical installations – Part 22: Particular requirements for connecting boxes and enclosures (IEC 60670-22:2003/A1:2015)	29.120.10	kolovoz 2024.
EN 60670-22/A11	Boxes and enclosures for electrical accessories for household and similar fixed electrical installations – Part 22: Particular requirements for connecting boxes and enclosures	29.120.10	kolovoz 2024.
EN IEC 60704-2-9	Household and similar electrical appliances – Test code for the determination of airborne acoustical noise – Part 2-9: Particular requirements for electric hair care appliances (IEC 60704-2-9:2024)	17.140.20; 97.170	kolovoz 2024.

Oznaka norme	Naslov norme	ICS	Datum objave
EN IEC 60793-1-22	Optical fibres – Part 1-22: Measurement methods and test procedures – Length measurement (IEC 60793-1-22:2024)	33.180.10	kolovoz 2024.
EN IEC 60793-1-46	Optical fibres – Part 1-46: Measurement methods and test procedures – Monitoring of changes in attenuation (IEC 60793-1-46:2024)	33.180.10	kolovoz 2024.
EN IEC 61169-69	Radio-frequency connectors – Part 69: Sectional specification for RF coaxial connectors with push on mating – Characteristic impedance 50 $\Omega$ (type SMP3) (IEC 61169-69:2024)	33.120.30	kolovoz 2024.
EN IEC 61300-2-22	Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 2-22: Tests – Change of temperature (IEC 61300-2-22:2024)	33.180.20	kolovoz 2024.
EN IEC 61400-8	Wind energy generation systems – Part 8: Design of wind turbine structural components (IEC 61400-8:2024)	27.180	kolovoz 2024.
EN IEC 61535	Installation couplers intended for permanent connection in fixed installations (IEC 61535:2023)	29.120.99	kolovoz 2024.
EN IEC 61674	Medical electrical equipment – Dosimeters with ionization chambers and/or semiconductor detectors as used in X-ray diagnostic imaging (IEC 61674:2024)	11.040.50; 17.240	kolovoz 2024.
EN IEC 62053-41	Electricity metering equipment – Particular requirements – Part 41: Static meters for DC energy (classes 0,5 and 1) (IEC 62053-41:2021)	17.220.20; 91.140.50	kolovoz 2024.
EN IEC 62271-200/A1	High-voltage switchgear and controlgear – Part 200: AC metal-enclosed switchgear and controlgear for rated voltages above 1 kV and up to and including 52 kV (IEC 62271-200:2021/AMD1:2024)	29.130.10	kolovoz 2024.
EN IEC 62282-8-201	Fuel cell technologies – Part 8-201: Energy storage systems using fuel cell modules in reverse mode – Test procedures for the performance of power-to-power systems (IEC 62282-8-201:2024)	27.070	kolovoz 2024.
EN IEC 62522	Calibration of tuneable laser sources (IEC 62522:2024)	31.260; 33.180.01; 33.180.99	kolovoz 2024.
EN 62552-1/A11	Household refrigerating appliances – Characteristics and test methods – Part 1: General requirements	97.030; 97.040.30	kolovoz 2024.
EN 62552-2/A11	Household refrigerating appliances – Characteristics and test methods – Part 2: Performance requirements	97.030; 97.040.30	kolovoz 2024.
EN 62552-3/A11	Household refrigerating appliances – Characteristics and test methods – Part 3: Energy consumption and volume	97.030; 97.040.30	kolovoz 2024.
EN IEC 62631-3-12	Dielectric and resistive properties of solid insulating materials – Part 3-12: Determination of resistive properties (DC methods) – Volume resistance and volume resistivity – Method for casting resins (IEC 62631-3-12:2024)	17.220.99; 29.035.01	kolovoz 2024.
EN IEC 62841-2-12	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 2-12: Particular requirements for hand-held concrete vibrators (IEC 62841-2-12:2024)	25.140.20	kolovoz 2024.
EN IEC 62841-2-12/A11	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 2-12: Particular requirements for hand-held concrete vibrators	25.140.20	kolovoz 2024.
EN IEC 63128/A1	Lighting control interface for dimming – Analogue voltage dimming interface for electronic current sourcing controlgear (IEC 63128:2019/AMD1:2024)	29.140.99	kolovoz 2024.
EN IEC 63252/A11	Energy consumption of vending machines	27.015; 55.230; 97.130.20	kolovoz 2024.
EN IEC 63461	Pelton hydraulic turbines – Model acceptance tests (IEC 63461:2024)	27.140	kolovoz 2024.
EN ISO 2419	Leather – Physical and mechanical tests – Specimen and test piece conditioning (ISO 2419:2024)	59.140.30	kolovoz 2024.
EN ISO 6872	Dentistry – Ceramic materials (ISO 6872:2024)	11.060.10	kolovoz 2024.
EN ISO 8028	Rubber and/or plastics hoses and hose assemblies for airless paint spraying – Specification (ISO 8028:2024)	83.140.40; 87.100	kolovoz 2024.
EN ISO 10705-3	Water quality – Detection and enumeration of bacteriophages – Part 3: Validation of methods for concentration of bacteriophages from water (ISO 10705-3:2003)	07.100.20	kolovoz 2024.

Oznaka norme	Naslov norme	ICS	Datum objave
EN ISO 13032	Petroleum products – Determination of low concentration of sulfur in automotive fuels – Energy-dispersive X-ray fluorescence spectrometric method (ISO 13032:2024)	75.160.20	kolovoz 2024.
EN ISO 13431	Geotextiles and geotextile-related products – Determination of tensile creep and creep rupture behaviour (ISO 13431:2024)	59.080.70	kolovoz 2024.
EN ISO 15923-1	Water quality – Determination of selected parameters by discrete analysis systems – Part 1: Ammonium, nitrate, nitrite, chloride, orthophosphate, sulfate and silicate with photometric detection (ISO 15923-1:2013)	13.060.50	kolovoz 2024.
EN ISO 17895	Paints and varnishes – Determination of volatile organic compound (VOC) – Gas-chromatographic method with headspace injection for VOC determination (ISO 17895:2024)	87.040	kolovoz 2024.
EN ISO 18497-1	Agricultural machinery and tractors – Safety of partially automated, semi-autonomous and autonomous machinery – Part 1: Machine design principles and vocabulary (ISO 18497-1:2024)	01.040.65; 65.060.01	kolovoz 2024.
EN ISO 18497-2	Agricultural machinery and tractors – Safety of partially automated, semi-autonomous and autonomous machinery – Part 2: Design principles for obstacle protection systems (ISO 18497-2:2024)	65.060.01	kolovoz 2024.
EN ISO 18497-3	Agricultural machinery and tractors – Safety of partially automated, semi-autonomous and autonomous machinery – Part 3: Autonomous operating zones (ISO 18497-3:2024)	65.060.01	kolovoz 2024.
EN ISO 18497-4	Agricultural machinery and tractors – Safety of partially automated, semi-autonomous and autonomous machinery – Part 4: Verification methods and validation principles (ISO 18497-4:2024)	65.060.01	kolovoz 2024.
EN ISO 19164	Geographic information – Indoor feature model (ISO 19164:2024)	35.240.70	kolovoz 2024.
CEN ISO/TS 19590	Nanotechnologies – Characterization of nano-objects using single particle inductively coupled plasma mass spectrometry (ISO/TS 19590:2024)	7.120	kolovoz 2024.
EN ISO 20427	Pigments and extenders – Dispersion procedure for sedimentation-based particle sizing of suspended pigment or extender with liquid sedimentation methods (ISO 20427:2023)	87.060.10	kolovoz 2024.
EN ISO 20701	Leather – Tests for colour fastness – Colour fastness to saliva (ISO 20701:2024)	59.140.30	kolovoz 2024.
EN ISO 22459	Fine ceramics (advanced ceramics, advanced technical ceramics) – Reinforcement of ceramic composites – Determination of distribution of tensile strength and tensile strain to failure of filaments within a multifilament tow at ambient temperature (ISO 22459:2024)	81.060.30	kolovoz 2024.
EN ISO 23611-5	Soil quality – Sampling of soil invertebrates – Part 5: Sampling and extraction of soil macro-invertebrates (ISO 23611-5:2024)	13.080.05; 13.080.30	kolovoz 2024.
EN ISO 24478	Railway applications – Braking – General vocabulary (ISO 24478:2023, corrected version 2024-04)	01.040.45; 45.040	kolovoz 2024.
EN ISO/IEC 25059	Software engineering – Systems and software Quality Requirements and Evaluation (SQuaRE) – Quality model for AI systems (ISO/IEC 25059:2023)	35.080	kolovoz 2024.
EN ISO/IEC 27005	Information security, cybersecurity and privacy protection – Guidance on managing information security risks (ISO/IEC 27005:2022)	35.030	kolovoz 2024.
EN ISO 80369-2	Small-bore connectors for liquids and gases in healthcare applications – Part 2: Connectors for respiratory applications (ISO 80369-2:2024)	11.040.10; 11.040.20	kolovoz 2024.

## Europska normizacija (CENELEC)

Oznaka norme	Naslov norme	ICS	Datum objave
EN 18031-1	Common security requirements for radio equipment – Part 1: Internet connected radio equipment	35.030	kolovoz 2024.
EN 18031-2	Common security requirements for radio equipment – Part 2: radio equipment processing data, namely Internet connected radio equipment, childcare radio equipment, toys radio equipment and wearable radio equipment	33.060.20	kolovoz 2024.
EN 18031-3	Common security requirements for radio equipment – Part 3: Internet connected radio equipment processing virtual money or monetary value	33.060.20	kolovoz 2024.
EN 50171/AC	Central safety power supply systems	29.200	kolovoz 2024.
EN 50463-3/A1	Railway applications – Energy measurement on board trains – Part 3: Data handling	45.060.10	kolovoz 2024.
EN IEC 60228	Conductors of insulated cables (IEC 60228:2023)	29.060.20	kolovoz 2024.
EN IEC 60300-1	Dependability management – Part 1: Managing dependability (IEC 60300-1:2024)	03.100.40; 03.100.70; 03.120.01; 21.020; 29.020	kolovoz 2024.
EN 60317-0-9/A1	Specifications for particular types of winding wires – Part 0-9: General requirements – Enamelled rectangular aluminium wire (IEC 60317-0-9:2015/AMD1:2024)	29.060.10	kolovoz 2024.
EN 60317-8/A1	Specifications for particular types of winding wires – Part 8: Polyesterimide enamelled round copper wire, class 180 (IEC 60317-8:2010/AMD1:2024)	29.060.10	kolovoz 2024.
EN 60317-13/A1	Specifications for particular types of winding wires – Part 13: Polyester or polyesterimide overcoated with polyamide-imide enamelled round copper wire, class 200 (IEC 60317-13:2010/AMD1:2024)	29.060.10	kolovoz 2024.
EN 60317-15/A2	Specifications for particular types of winding wires – Part 15: Polyesterimide enamelled round aluminium wire, class 180 (IEC 60317-15:2004/AMD2:2024)	29.060.10	kolovoz 2024.
EN IEC 60317-27-3/A1	Specifications for particular types of winding wires – Part 27-3: Paper tape covered rectangular copper wire (IEC 60317-27-3:2019/AMD1:2024)	29.060.10	kolovoz 2024.
EN IEC 60317-27-4/A1	Specifications for particular types of winding wires – Part 27-4: Paper tape covered rectangular aluminium wire (IEC 60317-27-4:2020/AMD1:2024)	29.060.10	kolovoz 2024.
EN 60317-28/A1	Specifications for particular types of winding wires – Part 28: Polyesterimide enamelled rectangular copper wire, class 180 (IEC 60317-28:2013/AMD1:2024)	29.060.10	kolovoz 2024.
EN 60317-35/A2	Specifications for particular types of winding wires – Part 35: Solderable polyurethane enamelled round copper wire, class 155, with a bonding layer (IEC 60317-35:2013/AMD2:2024)	29.060.10	kolovoz 2024.
EN 60317-36/A2	Specifications for particular types of winding wires – Part 36: Solderable polyesterimide enamelled round copper wire, class 180, with a bonding layer (IEC 60317-36:2013/AMD2:2024)	29.060.10	kolovoz 2024.
EN 60317-37/A1	Specifications for particular types of winding wires – Part 37: Polyesterimide enamelled round copper wire, class 180, with a bonding layer (IEC 60317-37:2013/AMD1:2024)	29.060.10	kolovoz 2024.
EN 60317-38/A1	Specifications for particular types of winding wires – Part 38: Polyester or polyesterimide overcoated with polyamide-imide, enamelled round copper wire, class 200, with a bonding layer (IEC 60317-38:2013/AMD1:2024)	29.060.10	kolovoz 2024.
EN 60317-46/A1	Specifications for particular types of winding wires – Part 46: Aromatic polyimide enamelled round copper wire, class 240 (IEC 60317-46:2013/AMD1:2024)	29.060.10	kolovoz 2024.
EN 60317-47/A1	Specifications for particular types of winding wires – Part 47: Aromatic polyimide enamelled rectangular copper wire, class 240 (IEC 60317-47:2013/AMD1:2024)	29.060.10	kolovoz 2024.
EN 60317-57/A1	Specifications for particular types of winding wires – Part 57: Polyamide-imide enamelled round copper wire, class 220 (IEC 60317-57:2010/AMD1:2024)	29.060.10	kolovoz 2024.
EN 60317-58/A1	Specifications for particular types of winding wires – Part 58: Polyamide-imide enamelled rectangular copper wire, class 220 (IEC 60317-58:2010/AMD1:2024)	29.060.10	kolovoz 2024.

Oznaka norme	Naslov norme	ICS	Datum objave
EN 60317-59/A1	Specifications for particular types of winding wires – Part 59: Polyamide-imide enamelled round copper wire, class 240 (IEC 60317-59:2015/AMD1:2024)	29.060.10	kolovoz 2024.
EN 60317-68/A2	Specifications for particular types of winding wires – Part 68: Polyvinyl acetal enamelled rectangular aluminium wire, class 120 (IEC 60317-68:2017/AMD2:2024)	29.060.10	kolovoz 2024.
EN 60317-69/A1	Specifications for particular types of winding wires – Part 69: Polyester or polyesterimide overcoated with polyamide-imide enamelled rectangular aluminium wire, class 220 (IEC 60317-69:2017/AMD1:2024)	29.060.10	kolovoz 2024.
EN IEC 60317-73/A1	Specifications for particular types of winding wires – Part 73: Polyester or polyesterimide overcoated with polyamide-imide enamelled rectangular aluminium wire, class 200 (IEC 60317-73:2018/AMD1:2024)	29.060.10	kolovoz 2024.
EN IEC 60317-74/A1	Specifications for particular types of winding wires – Part 74: Polyesterimide enamelled rectangular aluminium wire, class 180 (IEC 60317-74:2018/AMD1:2024)	29.060.10	kolovoz 2024.
EN IEC 60317-82/A1	Specifications for particular types of winding wires – Part 82: Polyesterimide enamelled rectangular copper wire, class 200 (IEC 60317-82:2020/AMD1:2024)	29.060.10	kolovoz 2024.
EN IEC 60384-21	Fixed capacitors for use in electronic equipment – Part 21: Sectional specification – Fixed surface mount multilayer capacitors of ceramic dielectric, Class 1 (IEC 60384-21:2024)	31.060.10; 31.060.20	kolovoz 2024.
EN IEC 60384-22	Fixed capacitors for use in electronic equipment – Part 22: Sectional specification – Fixed surface mount multilayer capacitors of ceramic dielectric, Class 2 (IEC 60384-22:2024)	31.060.10; 31.060.20	kolovoz 2024.
EN IEC 60422	Mineral insulating oils in electrical equipment – Supervision and maintenance guidance (IEC 60422:2024)	29.040.10	kolovoz 2024.
EN 60670-22/A1	Boxes and enclosures for electrical accessories for household and similar fixed electrical installations – Part 22: Particular requirements for connecting boxes and enclosures (IEC 60670-22:2003/A1:2015)	29.120.10	kolovoz 2024.
EN 60670-22/A11	Boxes and enclosures for electrical accessories for household and similar fixed electrical installations – Part 22: Particular requirements for connecting boxes and enclosures	29.120.10	kolovoz 2024.
EN IEC 60704-2-9	Household and similar electrical appliances – Test code for the determination of airborne acoustical noise – Part 2-9: Particular requirements for electric hair care appliances (IEC 60704-2-9:2024)	17.140.20; 97.170	kolovoz 2024.
EN IEC 60793-1-22	Optical fibres – Part 1-22: Measurement methods and test procedures – Length measurement (IEC 60793-1-22:2024)	33.180.10	kolovoz 2024.
EN IEC 60793-1-46	Optical fibres – Part 1-46: Measurement methods and test procedures – Monitoring of changes in attenuation (IEC 60793-1-46:2024)	33.180.10	kolovoz 2024.
EN IEC 61169-69	Radio-frequency connectors – Part 69: Sectional specification for RF coaxial connectors with push on mating – Characteristic impedance 50 $\Omega$ (type SMP3) (IEC 61169-69:2024)	33.120.30	kolovoz 2024.
EN IEC 61300-2-22	Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 2-22: Tests – Change of temperature (IEC 61300-2-22:2024)	33.180.20	kolovoz 2024.
EN IEC 61400-8	Wind energy generation systems – Part 8: Design of wind turbine structural components (IEC 61400-8:2024)	27.180	kolovoz 2024.
EN IEC 61535	Installation couplers intended for permanent connection in fixed installations (IEC 61535:2023)	29.120.99	kolovoz 2024.
EN IEC 61674	Medical electrical equipment – Dosimeters with ionization chambers and/or semiconductor detectors as used in X-ray diagnostic imaging (IEC 61674:2024)	11.040.50; 17.240	kolovoz 2024.
EN IEC 62053-41	Electricity metering equipment – Particular requirements – Part 41: Static meters for DC energy (classes 0,5 and 1) (IEC 62053-41:2021)	17.220.20; 91.140.50	kolovoz 2024.
EN IEC 62271-200/A1	High-voltage switchgear and controlgear – Part 200: AC metal- enclosed switchgear and controlgear for rated voltages above 1 kV and up to and including 52 kV (IEC 62271-200:2021/AMD1:2024)	29.130.10	kolovoz 2024.



Oznaka norme	Naslov norme	ICS	Datum objave
EN IEC 62282-8-201	Fuel cell technologies – Part 8-201: Energy storage systems using fuel cell modules in reverse mode – Test procedures for the performance of power-to-power systems (IEC 62282-8-201:2024)	27.070	kolovoz 2024.
EN IEC 62522	Calibration of tuneable laser sources (IEC 62522:2024)	31.260; 33.180.01; 33.180.99	kolovoz 2024.
EN 62552-1/A11	Household refrigerating appliances – Characteristics and test methods – Part 1: General requirements	97.030; 97.040.30	kolovoz 2024.
EN 62552-2/A11	Household refrigerating appliances – Characteristics and test methods – Part 2: Performance requirements	97.030; 97.040.30	kolovoz 2024.
EN 62552-3/A11	Household refrigerating appliances – Characteristics and test methods – Part 3: Energy consumption and volume	97.030; 97.040.30	kolovoz 2024.
EN IEC 62631-3-12	Dielectric and resistive properties of solid insulating materials – Part 3-12: Determination of resistive properties (DC methods) – Volume resistance and volume resistivity – Method for casting resins (IEC 62631-3-12:2024)	17.220.99; 29.035.01	kolovoz 2024.
EN IEC 62841-2-12	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 2-12: Particular requirements for hand-held concrete vibrators (IEC 62841-2-12:2024)	25.140.20	kolovoz 2024.
EN IEC 62841-2-12/A11	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 2-12: Particular requirements for hand-held concrete vibrators	25.140.20	kolovoz 2024.
EN IEC 63128/A1	Lighting control interface for dimming – Analogue voltage dimming interface for electronic current sourcing controlgear (IEC 63128:2019/AMD1:2024)	29.140.99	kolovoz 2024.
EN IEC 63252/A11	Energy consumption of vending machines	27.015; 55.230; 97.130.20	kolovoz 2024.
EN IEC 63461	Pelton hydraulic turbines – Model acceptance tests (IEC 63461:2024)	27.140	kolovoz 2024.
EN ISO/IEC 25059	Software engineering – Systems and software Quality Requirements and Evaluation (SQuaRE) – Quality model for AI systems (ISO/IEC 25059:2023)	35.080	kolovoz 2024.
EN ISO/IEC 27005	Information security, cybersecurity and privacy protection – Guidance on managing information security risks (ISO/IEC 27005:2022)	35.030	kolovoz 2024.
EN ISO 80369-2	Small-bore connectors for liquids and gases in healthcare applications – Part 2: Connectors for respiratory applications (ISO 80369-2:2024)	11.040.10; 11.040.20	kolovoz 2024.

## Europska normizacija (ETSI)

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 101220 V 17.2.0	Smart Cards – ETSI numbering system for telecommunication application providers (Release 17)	33.070.50; 35.240.15	kolovoz 2024.
ETSI TS 101220 V 18.1.0	Smart Cards – ETSI numbering system for telecommunication application providers (Release 18)	33.070.50; 35.240.15	kolovoz 2024.
ETSI TS 102223 V 17.4.0	Smart Cards – Card Application Toolkit (CAT) (Release 17)	35.240.15	kolovoz 2024.
ETSI TS 102223 V 18.0.0	Smart Cards – Card Application Toolkit (CAT) (Release 18)	35.240.15	kolovoz 2024.
ETSI TS 102226 V 16.2.1	Smart Cards – Remote APDU structure for UICC based applications (Release 16)	35.240.15	kolovoz 2024.
ETSI TS 102384 V 12.0.0	Smart Cards – UICC-Terminal interface – Card Application Toolkit (CAT) conformance specification (Release 12)	35.240.15	kolovoz 2024.
ETSI TS 102384 V 13.0.0	Smart Cards – UICC-Terminal interface – Card Application Toolkit (CAT) conformance specification (Release 13)	35.240.15	kolovoz 2024.
ETSI TS 102384 V 14.0.0	Smart Cards – UICC-Terminal interface – Card Application Toolkit (CAT) conformance specification (Release 14)	35.240.15	kolovoz 2024.
ETSI TS 102384 V 15.0.0	Smart Cards – UICC-Terminal interface – Card Application Toolkit (CAT) conformance specification (Release 15)	35.240.15	kolovoz 2024.
ETSI TS 102384 V 16.0.0	Smart Cards – UICC-Terminal interface – Card Application Toolkit (CAT) conformance specification (Release 16)	35.240.15	kolovoz 2024.
ETSI TS 102384 V 17.0.0	Smart Cards – UICC-Terminal interface – Card Application Toolkit (CAT) conformance specification (Release 17)	35.240.15	kolovoz 2024.
ETSI TS 102412 V 18.1.0	Smart Cards – Smart Card Platform Requirements Stage 1 (Release 18)	35.240.15	kolovoz 2024.
ETSI TS 102894-2 V 2.3.1	Intelligent Transport Systems (ITS) – Users and applications requirements – Part 2: Applications and facilities layer common data dictionary – Release 2	35.240.60	kolovoz 2024.
ETSI TS 103120 V 1.17.1	Lawful Interception (LI) – Interface for warrant information	33.040.35	kolovoz 2024.
ETSI TS 103300-2 V 2.3.1	Intelligent Transport Systems (ITS) – Vulnerable Road Users (VRU) awareness – Part 2: Functional Architecture and Requirements definition – Release 2	35.240.60	kolovoz 2024.
ETSI TR 103702 V 1.2.1	Speech and multimedia Transmission Quality (STQ) – QoS parameters and test scenarios for assessing network capabilities in 5G performance measurements	33.040.01	kolovoz 2024.
ETSI TS 103705 V 1.1.1	Lawful Interception (LI) – Data Structures for Lawful Disclosure	33.040.35	kolovoz 2024.
ETSI TS 103707 V 1.9.1	Lawful Interception (LI) – Handover Interface for HTTP delivery	33.040.35	kolovoz 2024.
ETSI TS 103846 V 1.1.1	SmartM2M – Digital Twins: Functionalities and communication Reference Architecture	33.200	kolovoz 2024.
ETSI TS 103871 V 1.2.1	Emergency Communications (EMTEL) – PEMEA Real-Time Text Extension	33.040.01	kolovoz 2024.
ETSI TR 103907 V 1.1.1	Speech and multimedia Transmission Quality (STQ) – Test methods for insert type headsets enabled with structure-borne speech capture	33.040.01	kolovoz 2024.
ETSI TR 103937 V 1.1.1	Cyber Security (CYBER) – Cyber Resiliency and Supply Chain Management	33.040.99; 35.030	kolovoz 2024.
ETSI TS 123122 V 18.7.1 *3GPP TS 23.122 Version 18.7.1 Release 18	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Non-Access-Stratum (NAS) functions related to Mobile Station (MS) in idle mode (3GPP TS 23.122 version 18.7.1 Release 18)	33.070.50	kolovoz 2024.
ETSI TS 124186 V 18.1.0 *3GPP TS 24.186 Version 18.1.0 Release 18	5G – IMS Data Channel applications – Protocol specification (3GPP TS 24.186 version 18.1.0 Release 18)	33.070.50	kolovoz 2024.
ETSI TS 124514 V 18.1.0 *3GPP TS 24.514 Version 18.1.0 Release 18	5G – Ranging based services and sidelink positioning in 5G system(5GS) – Stage 3 (3GPP TS 24.514 version 18.1.0 Release 18)	33.070.50	kolovoz 2024.
ETSI TS 124549 V 18.2.1 *3GPP TS 24.549 Version 18.2.1 Release 18	5G – Network slice capability enablement- Service Enabler Architecture Layer for Verticals (SEAL) – Protocol specification – Stage 3 (3GPP TS 24.549 version 18.2.1 Release 18)	33.070.50	kolovoz 2024.
ETSI TS 124554 V 17.9.1 *3GPP TS 24.554 Version 17.9.1 Release 17	5G – Proximity-services (ProSe) in 5G System (5GS) protocol aspects – Stage 3 (3GPP TS 24.554 version 17.9.1 Release 17)	33.070.50	kolovoz 2024.

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 124554 V 18.5.1 *3GPP TS 24.554 Version 18.5.1 Release 18	5G – Proximity-services (ProSe) in 5G System (5GS) protocol aspects – Stage 3 (3GPP TS 24.554 version 18.5.1 Release 18)	33.070.50	kolovoz 2024.
ETSI TS 124558 V 18.5.1 *3GPP TS 24.558 Version 18.5.1 Release 18	5G – Enabling Edge Applications – Protocol specification (3GPP TS 24.558 version 18.5.1 Release 18)	33.070.50	kolovoz 2024.
ETSI TS 124571 V 18.5.1 *3GPP TS 24.571 Version 18.5.1 Release 18	5G – 5G System (5GS) – Control plane Location Services (LCS) procedures – Stage 3 (3GPP TS 24.571 version 18.5.1 Release 18)	33.070.50; 33.070.99	kolovoz 2024.
ETSI TS 124572 V 18.1.1 *3GPP TS 24.572 Version 18.1.1 Release 18	5G – 5G System (5GS) – User plane Location Services (LCS) protocols and procedures – Stage 3 (3GPP TS 24.572 version 18.1.1 Release 18)	33.070.50	kolovoz 2024.
ETSI TS 124583 V 18.1.0 *3GPP TS 24.583 Version 18.1.0 Release 18	5G – Application layer support for Personal IoT Network (PINAPP) – Stage 3 (3GPP TS 24.583 version 18.1.0 Release 18)	33.070.50	kolovoz 2024.
ETSI TS 126253 V 18.1.1 *3GPP TS 26.253 Version 18.1.1 Release 18	LTE – 5G – Codec for Immersive Voice and Audio Services (IVAS) – Detailed Algorithmic Description including RTP payload format and SDP parameter definitions (3GPP TS 26.253 version 18.1.1 Release 18)	33.070.50	kolovoz 2024.
ETSI TS 126510 V 18.0.2 *3GPP TS 26.510 Version 18.0.2 Release 18	5G – Media delivery – interactions and APIs for provisioning and media session handling (3GPP TS 26.510 version 18.0.2 Release 18)	33.070.50	kolovoz 2024.
ETSI TS 126512 V 17.9.1 *3GPP TS 26.512 Version 17.9.1 Release 17	5G – 5G Media Streaming (5GMS) – Protocols (3GPP TS 26.512 version 17.9.1 Release 17)	33.070.50	kolovoz 2024.
ETSI TS 126512 V 18.2.1 *3GPP TS 26.512 Version 18.2.1 Release 18	5G – 5G Media Streaming (5GMS) – Protocols (3GPP TS 26.512 version 18.2.1 Release 18)	33.070.50	kolovoz 2024.
ETSI TS 126532 V 18.2.1 *3GPP TS 26.532 Version 18.2.1 Release 18	5G – Data Collection and Reporting – Protocols and Formats (3GPP TS 26.532 version 18.2.1 Release 18)	33.070.50	kolovoz 2024.
ETSI TR 126996 V 18.0.0 *3GPP TR 26.996 Version 18.0.0 Release 18	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Immersive Audio for Split Rendering Scenarios – Performance characterization (3GPP TR 26.996 version 18.0.0 Release 18)	33.070.50	kolovoz 2024.
ETSI TS 128204 V 18.1.1 *3GPP TS 28.204 Version 18.1.1 Release 18	5G – Charging management – Network slice-specific authentication and authorization charging in the 5G System (5GS) (3GPP TS 28.204 version 18.1.1 Release 18)	33.070.50	kolovoz 2024.
ETSI TS 128531 V 18.6.1 *3GPP TS 28.531 Version 18.6.1 Release 18	5G – Management and orchestration – Provisioning (3GPP TS 28.531 version 18.6.1 Release 18)	33.070.50	kolovoz 2024.
ETSI TS 128538 V 18.7.0 *3GPP TS 28.538 Version 18.7.0 Release 18	5G – Management and orchestration – Edge Computing Management (3GPP TS 28.538 version 18.7.0 Release 18)	33.070.50	kolovoz 2024.
ETSI TS 128541 V 15.12.0 *3GPP TS 28.541 Version 15.12.0 Release 15	5G – Management and orchestration – 5G Network Resource Model (NRM) – Stage 2 and stage 3 (3GPP TS 28.541 version 15.12.0 Release 15)	33.070.50	kolovoz 2024.
ETSI TS 128541 V 16.20.0 *3GPP TS 28.541 Version 16.20.0 Release 16	5G – Management and orchestration – 5G Network Resource Model (NRM) – Stage 2 and stage 3 (3GPP TS 28.541 version 16.20.0 Release 16)	33.070.50	kolovoz 2024.
ETSI TS 128541 V 17.15.0 *3GPP TS 28.541 Version 17.15.0 Release 17	5G – Management and orchestration – 5G Network Resource Model (NRM) – Stage 2 and stage 3 (3GPP TS 28.541 version 17.15.0 Release 17)	33.070.50	kolovoz 2024.
ETSI TS 128541 V 18.8.0 *3GPP TS 28.541 Version 18.8.0 Release 18	5G – Management and orchestration – 5G Network Resource Model (NRM) – Stage 2 and stage 3 (3GPP TS 28.541 version 18.8.0 Release 18)	33.070.50	kolovoz 2024.
ETSI TS 128552 V 16.18.0 *3GPP TS 28.552 Version 16.18.0 Release 16	5G – Management and orchestration – 5G performance measurements (3GPP TS 28.552 version 16.18.0 Release 16)	33.070.50	kolovoz 2024.
ETSI TS 128622 V 18.7.0 *3GPP TS 28.622 Version 18.7.0 Release 18	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Telecommunication management – Generic Network Resource Model (NRM) Integration Reference Point (IRP) – Information Service (IS) (3GPP TS 28.622 version 18.7.0 Release 18)	33.070.50	kolovoz 2024.

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 129061 V 18.1.0 *3GPP TS 29.061 Version 18.1.0 Release 18	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Interworking between the Public Land Mobile Network (PLMN) supporting packet based services and Packet Data Networks (PDN) (3GPP TS 29.061 version 18.1.0 Release 18)	33.070.50	kolovoz 2024.
ETSI TS 129175 V 18.1.0 *3GPP TS 29.175 Version 18.1.0 Release 18	5G – IP Multimedia Subsystem (IMS) Application Server (AS) Services Stage 3 (3GPP TS 29.175 version 18.1.0 Release 18)	33.070.50	kolovoz 2024.
ETSI TS 129176 V 18.2.0 *3GPP TS 29.176 Version 18.2.0 Release 18	5G – IP Multimedia Subsystems (IMS) – Media Function (MF) Services – Stage 3 (Release 18) (3GPP TS 29.176 version 18.2.0 Release 18)	33.070.50	kolovoz 2024.
ETSI TS 129255 V 18.3.1 *3GPP TS 29.255 Version 18.3.1 Release 18	5G – Uncrewed Aerial System Service Supplier (USS) Services – Stage 3 (3GPP TS 29.255 version 18.3.1 Release 18)	33.070.50	kolovoz 2024.
ETSI TS 129435 V 18.1.1 *3GPP TS 29.435 Version 18.1.1 Release 18	5G – Service Enabler Architecture Layer for Verticals (SEAL) – Network Slice Capability Enablement (NSCE) Server Services (3GPP TS 29.435 version 18.1.1 Release 18)	33.070.50	kolovoz 2024.
ETSI TS 129500 V 18.6.1 *3GPP TS 29.500 Version 18.6.1 Release 18	5G – 5G System – Technical Realization of Service Based Architecture – Stage 3 (3GPP TS 29.500 version 18.6.1 Release 18)	33.070.99	kolovoz 2024.
ETSI TS 129509 V 18.5.0 *3GPP TS 29.509 Version 18.5.0 Release 18	5G – 5G System – Authentication Server Services – Stage 3 (3GPP TS 29.509 version 18.5.0 Release 18)	33.070.50; 33.070.99	kolovoz 2024.
ETSI TS 129512 V 18.6.1 *3GPP TS 29.512 Version 18.6.1 Release 18	5G – 5G System – Session Management Policy Control Service – Stage 3 (3GPP TS 29.512 version 18.6.1 Release 18)	33.070.99	kolovoz 2024.
ETSI TS 129522 V 18.6.1 *3GPP TS 29.522 Version 18.6.1 Release 18	5G – 5G System – Network Exposure Function Northbound APIs – Stage 3 (3GPP TS 29.522 version 18.6.1 Release 18)	33.070.99	kolovoz 2024.
ETSI TS 129525 V 18.6.1 *3GPP TS 29.525 Version 18.6.1 Release 18	5G – 5G System – UE Policy Control Service – Stage 3 (3GPP TS 29.525 version 18.6.1 Release 18)	33.070.99	kolovoz 2024.
ETSI TS 129535 V 18.5.1 *3GPP TS 29.535 Version 18.5.1 Release 18	5G – 5G System – AKMA Anchor Services – Stage 3 (3GPP TS 29.535 version 18.5.1 Release 18)	33.070.50	kolovoz 2024.
ETSI TS 129538 V 18.6.1 *3GPP TS 29.538 Version 18.6.1 Release 18	5G – Enabling MSGin5G Service – Application Programming Interfaces (API) specification – Stage 3 (3GPP TS 29.538 version 18.6.1 Release 18)	33.070.50	kolovoz 2024.
ETSI TS 129565 V 18.6.0 *3GPP TS 29.565 Version 18.6.0 Release 18	5G – 5G System – Time Sensitive Communication and Time Synchronization Function Services – Stage 3 (3GPP TS 29.565 version 18.6.0 Release 18)	33.070.50	kolovoz 2024.
ETSI TS 129583 V 18.1.1 *3GPP TS 29.583 Version 18.1.1 Release 18	5G – Application layer support for Personal IoT Network (PINAPP) – Personal IoT Network (PIN) server services (3GPP TS 29.583 version 18.1.1 Release 18)	33.070.50	kolovoz 2024.
ETSI TS 131121 V 17.3.0 *3GPP TS 31.121 Version 17.3.0 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 17.3.0 Release 17)	33.070.50	kolovoz 2024.
ETSI TS 131124 V 17.3.0 *3GPP TS 31.124 Version 17.3.0 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 17.3.0 Release 17)	33.070.50	kolovoz 2024.
ETSI TS 132240 V 18.7.0 *3GPP TS 32.240 Version 18.7.0 Release 18	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Telecommunication management – Charging management – Charging architecture and principles (3GPP TS 32.240 version 18.7.0 Release 18)	33.070.50	kolovoz 2024.
ETSI TS 132256 V 18.4.1 *3GPP TS 32.256 Version 18.4.1 Release 18	5G – Charging management – 5G connection and mobility domain charging – Stage 2 (3GPP TS 32.256 version 18.4.1 Release 18)	33.070.50	kolovoz 2024.
ETSI TS 132291 V 18.6.1 *3GPP TS 32.291 Version 18.6.1 Release 18	5G – Telecommunication management – Charging management – 5G system, charging service – Stage 3 (3GPP TS 32.291 version 18.6.1 Release 18)	33.070.50	kolovoz 2024.

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 132297 V 18.1.0 *3GPP TS 32.297 Version 18.1.0 Release 18	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Telecommunication management – Charging management – Charging Data Record (CDR) file format and transfer (3GPP TS 32.297 version 18.1.0 Release 18)	33.070.50	kolovoz 2024.
ETSI TS 132298 V 17.11.0 *3GPP TS 32.298 Version 17.11.0 Release 17	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Telecommunication management – Charging management – Charging Data Record (CDR) parameter description (3GPP TS 32.298 version 17.11.0 Release 17)	33.070.50	kolovoz 2024.
ETSI TS 134123-3 V 17.5.0 *3GPP TS 34.123-3 Version 17.5.0 Release 17	Universal Mobile Telecommunications System (UMTS) – User Equipment (UE) conformance specification – Part 3: Abstract test suite (ATS) (3GPP TS 34.123-3 version 17.5.0 Release 17)	33.070.50	kolovoz 2024.
ETSI TS 134229-2 V 16.11.0 *3GPP TS 34.229-2 Version 16.11.0 Release 16	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP) – User Equipment (UE) conformance specification – Part 2: Implementation Conformance Statement (ICS) specification (3GPP TS 34.229-2 version 16.11.0 Release 16)	33.070.50	kolovoz 2024.
ETSI TS 134229-2 V 17.1.0 *3GPP TS 34.229-2 Version 17.1.0 Release 17	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP) – User Equipment (UE) conformance specification – Part 2: Implementation Conformance Statement (ICS) specification (3GPP TS 34.229-2 version 17.1.0 Release 17)	33.070.50	kolovoz 2024.
ETSI TS 134229-3 V 16.9.0 *3GPP TS 34.229-3 Version 16.9.0 Release 16	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP) – User Equipment (UE) conformance specification – Part 3: Abstract test suite (ATS) (3GPP TS 34.229-3 version 16.9.0 Release 16)	33.070.50	kolovoz 2024.
ETSI TS 134229-3 V 17.6.0 *3GPP TS 34.229-3 Version 17.6.0 Release 17	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP) – User Equipment (UE) conformance specification – Part 3: Abstract test suite (ATS) (3GPP TS 34.229-3 version 17.6.0 Release 17)	33.070.50	kolovoz 2024.
ETSI TS 134229-5 V 16.11.0 *3GPP TS 34.229-5 Version 16.11.0 Release 16	5G – Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP) – User Equipment (UE) conformance specification – Part 5: Protocol conformance specification using 5G System (5GS) (3GPP TS 34.229-5 version 16.11.0 Release 16)	33.070.50	kolovoz 2024.
ETSI TS 134229-5 V 17.1.0 *3GPP TS 34.229-5 Version 17.1.0 Release 17	5G – Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP) – User Equipment (UE) conformance specification – Part 5: Protocol conformance specification using 5G System (5GS) (3GPP TS 34.229-5 version 17.1.0 Release 17)	33.070.50	kolovoz 2024.
ETSI TS 136101 V 18.6.0 *3GPP TS 36.101 Version 18.6.0 Release 18	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – User Equipment (UE) radio transmission and reception (3GPP TS 36.101 version 18.6.0 Release 18)	33.070.50; 33.070.99	kolovoz 2024.
ETSI TS 136108 V 18.6.0 *3GPP TS 36.108 Version 18.6.0 Release 18	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Satellite Access Node radio transmission and reception (3GPP TS 36.108 version 18.6.0 Release 18)	33.070.50	kolovoz 2024.
ETSI TS 136133 V 18.6.0 *3GPP TS 36.133 Version 18.6.0 Release 18	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Requirements for support of radio resource management (3GPP TS 36.133 version 18.6.0 Release 18)	33.070.50; 33.070.99	kolovoz 2024.
ETSI TS 136181 V 18.4.0 *3GPP TS 36.181 Version 18.4.0 Release 18	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Satellite Access Node conformance testing (3GPP TS 36.181 version 18.4.0 Release 18)	33.070.50	kolovoz 2024.
ETSI TS 136300 V 17.8.0 *3GPP TS 36.300 Version 17.8.0 Release 17	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 17.8.0 Release 17)	33.070.50	kolovoz 2024.

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 136300 V 18.2.0 *3GPP TS 36.300 Version 18.2.0 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 18.2.0 Release 18)	33.070.50	kolovoz 2024.
ETSI TS 136304 V 18.2.0 *3GPP TS 36.304 Version 18.2.0 Release 18	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – User Equipment (UE) procedures in idle mode (3GPP TS 36.304 version 18.2.0 Release 18)	33.070.50	kolovoz 2024.
ETSI TS 136306 V 15.12.0 *3GPP TS 36.306 Version 15.12.0 Release 15	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – User Equipment (UE) radio access capabilities (3GPP TS 36.306 version 15.12.0 Release 15)	33.070.50	kolovoz 2024.
ETSI TS 136306 V 16.13.0 *3GPP TS 36.306 Version 16.13.0 Release 16	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – User Equipment (UE) radio access capabilities (3GPP TS 36.306 version 16.13.0 Release 16)	33.070.50	kolovoz 2024.
ETSI TS 136306 V 17.7.0 *3GPP TS 36.306 Version 17.7.0 Release 17	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – User Equipment (UE) radio access capabilities (3GPP TS 36.306 version 17.7.0 Release 17)	33.070.50	kolovoz 2024.
ETSI TS 136306 V 18.2.0 *3GPP TS 36.306 Version 18.2.0 Release 18	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – User Equipment (UE) radio access capabilities (3GPP TS 36.306 version 18.2.0 Release 18)	33.070.50	kolovoz 2024.
ETSI TS 136307 V 18.5.0 *3GPP TS 36.307 Version 18.5.0 Release 18	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Requirements on User Equipments (UEs) supporting a release-independent frequency band (3GPP TS 36.307 version 18.5.0 Release 18)	33.070.50	kolovoz 2024.
ETSI TS 136321 V 18.2.0 *3GPP TS 36.321 Version 18.2.0 Release 18	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Medium Access Control (MAC) protocol specification (3GPP TS 36.321 version 18.2.0 Release 18)	33.070.50	kolovoz 2024.
ETSI TS 136331 V 14.17.0 *3GPP TS 36.331 Version 14.17.0 Release 14	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Radio Resource Control (RRC) – Protocol specification (3GPP TS 36.331 version 14.17.0 Release 14)	33.070.50	kolovoz 2024.
ETSI TS 136331 V 15.22.0 *3GPP TS 36.331 Version 15.22.0 Release 15	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Radio Resource Control (RRC) – Protocol specification (3GPP TS 36.331 version 15.22.0 Release 15)	33.070.50	kolovoz 2024.
ETSI TS 136331 V 16.16.0 *3GPP TS 36.331 Version 16.16.0 Release 16	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Radio Resource Control (RRC) – Protocol specification (3GPP TS 36.331 version 16.16.0 Release 16)	33.070.50	kolovoz 2024.
ETSI TS 136331 V 17.9.0 *3GPP TS 36.331 Version 17.9.0 Release 17	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Radio Resource Control (RRC) – Protocol specification (3GPP TS 36.331 version 17.9.0 Release 17)	33.070.50	kolovoz 2024.
ETSI TS 136331 V 18.2.0 *3GPP TS 36.331 Version 18.2.0 Release 18	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Radio Resource Control (RRC) – Protocol specification (3GPP TS 36.331 version 18.2.0 Release 18)	33.070.50	kolovoz 2024.
ETSI TS 136401 V 18.1.0 *3GPP TS 36.401 Version 18.1.0 Release 18	LTE – Evolved Universal Terrestrial Radio Access Network (E-UTRAN) – Architecture description (3GPP TS 36.401 version 18.1.0 Release 18)	33.070.50	kolovoz 2024.
ETSI TS 136412 V 18.1.0 *3GPP TS 36.412 Version 18.1.0 Release 18	LTE – Evolved Universal Terrestrial Radio Access Network (E-UTRAN) – S1 signalling transport (3GPP TS 36.412 version 18.1.0 Release 18)	33.070.50	kolovoz 2024.
ETSI TS 136413 V 18.2.0 *3GPP TS 36.413 Version 18.2.0 Release 18	LTE – Evolved Universal Terrestrial Radio Access Network (E-UTRAN) – S1 Application Protocol (S1AP) (3GPP TS 36.413 version 18.2.0 Release 18)	33.070.50	kolovoz 2024.
ETSI TS 136422 V 18.1.0 *3GPP TS 36.422 Version 18.1.0 Release 18	LTE – Evolved Universal Terrestrial Radio Access Network (E-UTRAN) – X2 signalling transport (3GPP TS 36.422 version 18.1.0 Release 18)	33.070.50	kolovoz 2024.
ETSI TS 136423 V 18.2.0 *3GPP TS 36.423 Version 18.2.0 Release 18	LTE – Evolved Universal Terrestrial Radio Access Network (E-UTRAN) – X2 Application Protocol (X2AP) (3GPP TS 36.423 version 18.2.0 Release 18)	33.070.50	kolovoz 2024.
ETSI TS 136455 V 18.1.0 *3GPP TS 36.455 Version 18.1.0 Release 18	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – LTE Positioning Protocol A (LPPa) (3GPP TS 36.455 version 18.1.0 Release 18)	33.070.50	kolovoz 2024.
ETSI TS 136508 V 18.5.0 *3GPP TS 36.508 Version 18.5.0 Release 18	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Packet Core (EPC) – Common test environments for User Equipment (UE) conformance testing (3GPP TS 36.508 version 18.5.0 Release 18)	33.070.50	kolovoz 2024.

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 136521-1 V 18.5.0 *3GPP TS 36.521-1 Version 18.5.0 Release 18	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – User Equipment (UE) conformance specification – Radio transmission and reception – Part 1: Conformance testing (3GPP TS 36.521-1 version 18.5.0 Release 18)	33.070.50	kolovoz 2024.
ETSI TS 136521-2 V 18.5.0 *3GPP TS 36.521-2 Version 18.5.0 Release 18	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – User Equipment (UE) conformance specification – Radio transmission and reception – Part 2: Implementation Conformance Statement (ICS) (3GPP TS 36.521-2 version 18.5.0 Release 18)	33.070.50	kolovoz 2024.
ETSI TS 136521-3 V 17.2.0 *3GPP TS 36.521-3 Version 17.2.0 Release 17	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – User Equipment (UE) conformance specification – Radio transmission and reception – Part 3: Radio Resource Management (RRM) conformance testing (3GPP TS 36.521-3 version 17.2.0 Release 17)	33.070.50	kolovoz 2024.
ETSI TS 136521-3 V 18.5.0 *3GPP TS 36.521-3 Version 18.5.0 Release 18	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – User Equipment (UE) conformance specification – Radio transmission and reception – Part 3: Radio Resource Management (RRM) conformance testing (3GPP TS 36.521-3 version 18.5.0 Release 18)	33.070.50	kolovoz 2024.
ETSI TS 136521-4 V 18.2.0 *3GPP TS 36.521-4 Version 18.2.0 Release 18	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – User Equipment (UE) conformance specification – Radio transmission and reception – Part 4: Satellite access Radio Frequency (RF) and performance Conformance Testing (3GPP TS 36.521-4 version 18.2.0 Release 18)	33.070.50	kolovoz 2024.
ETSI TS 136523-1 V 18.5.0 *3GPP TS 36.523-1 Version 18.5.0 Release 18	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Packet Core (EPC) – User Equipment (UE) conformance specification – Part 1: Protocol conformance specification (3GPP TS 36.523-1 version 18.5.0 Release 18)	33.070.50	kolovoz 2024.
ETSI TS 136523-2 V 18.5.0 *3GPP TS 36.523-2 Version 18.5.0 Release 18	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Packet Core (EPC) – User Equipment (UE) conformance specification – Part 2: Implementation Conformance Statement (ICS) proforma specification (3GPP TS 36.523-2 version 18.5.0 Release 18)	33.070.50	kolovoz 2024.
ETSI TS 136523-3 V 17.8.0 *3GPP TS 36.523-3 Version 17.8.0 Release 17	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Packet Core (EPC) – User Equipment (UE) conformance specification – Part 3: Test suites (3GPP TS 36.523-3 version 17.8.0 Release 17)	33.070.50	kolovoz 2024.
ETSI TS 136523-3 V 18.4.0 *3GPP TS 36.523-3 Version 18.4.0 Release 18	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Packet Core (EPC) – User Equipment (UE) conformance specification – Part 3: Test suites (3GPP TS 36.523-3 version 18.4.0 Release 18)	33.070.50	kolovoz 2024.
ETSI TS 136579-1 V 16.5.0 *3GPP TS 36.579-1 Version 16.5.0 Release 16	LTE – Mission Critical (MC) services over LTE – Part 1: Common test environment (3GPP TS 36.579-1 version 16.5.0 Release 16)	33.070.99	kolovoz 2024.
ETSI TS 136579-2 V 16.5.0 *3GPP TS 36.579-2 Version 16.5.0 Release 16	LTE – Mission Critical (MC) services over LTE – Part 2: Mission Critical Push To Talk (MCPTT) User Equipment (UE) Protocol conformance specification (3GPP TS 36.579-2 version 16.5.0 Release 16)	33.070.99	kolovoz 2024.
ETSI TS 136579-3 V 13.4.0 *3GPP TS 36.579-3 Version 13.4.0 Release 13	LTE – Mission Critical (MC) services over LTE – Part 3: Mission Critical Push To Talk (MCPTT) Server Application conformance specification (3GPP TS 36.579-3 version 13.4.0 Release 13)	33.070.99	kolovoz 2024.
ETSI TS 136579-3 V 14.1.0 *3GPP TS 36.579-3 Version 14.1.0 Release 14	LTE – Mission Critical (MC) services over LTE – Part 3: Mission Critical Push To Talk (MCPTT) Server Application conformance specification (3GPP TS 36.579-3 version 14.1.0 Release 14)	33.070.99	kolovoz 2024.
ETSI TS 136579-4 V 16.5.0 *3GPP TS 36.579-4 Version 16.5.0 Release 16	LTE – Mission Critical (MC) services over LTE – Part 4: Test Applicability and Implementation Conformance Statement (ICS) proforma specification (3GPP TS 36.579-4 version 16.5.0 Release 16)	33.070.99	kolovoz 2024.
ETSI TS 136579-5 V 15.2.0 *3GPP TS 36.579-5 Version 15.2.0 Release 15	LTE – Mission Critical (MC) services over LTE – Part 5: Abstract test suite (ATS) (3GPP TS 36.579-5 version 15.2.0 Release 15)	33.070.99	kolovoz 2024.
ETSI TS 136579-5 V 16.1.0 *3GPP TS 36.579-5 Version 16.1.0 Release 16	LTE – Mission Critical (MC) services over LTE – Part 5: Abstract test suite (ATS) (3GPP TS 36.579-5 version 16.1.0 Release 16)	33.070.99	kolovoz 2024.

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 136579-5 V 17.6.0 *3GPP TS 36.579-5 Version 17.6.0 Release 17	LTE – Mission Critical (MC) services over LTE – Part 5: Abstract test suite (ATS) (3GPP TS 36.579-5 version 17.6.0 Release 17)	33.070.99	kolovoz 2024.
ETSI TS 136579-6 V 16.5.0 *3GPP TS 36.579-6 Version 16.5.0 Release 16	LTE – Mission Critical (MC) services over LTE – Part 6: Mission Critical Video (MCVideo) User Equipment (UE) Protocol conformance specification (3GPP TS 36.579-6 version 16.5.0 Release 16)	33.070.99	kolovoz 2024.
ETSI TS 136579-7 V 15.6.0 *3GPP TS 36.579-7 Version 15.6.0 Release 15	LTE – Mission Critical (MC) services over LTE – Part 7: Mission Critical Data (MCDATA) User Equipment (UE) Protocol conformance specification (3GPP TS 36.579-7 version 15.6.0 Release 15)	33.070.99	kolovoz 2024.
ETSI TS 136579-7 V 16.4.0 *3GPP TS 36.579-7 Version 16.4.0 Release 16	LTE – Mission Critical (MC) services over LTE – Part 7: Mission Critical Data (MCDATA) User Equipment (UE) Protocol conformance specification (3GPP TS 36.579-7 version 16.4.0 Release 16)	33.070.99	kolovoz 2024.
ETSI TR 136903 V 18.3.0 *3GPP TR 36.903 Version 18.3.0 Release 18	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Universal Terrestrial Radio Access Network (E-UTRAN) – Derivation of test tolerances for Radio Resource Management (RRM) conformance tests (3GPP TR 36.903 version 18.3.0 Release 18)	33.070.50	kolovoz 2024.
ETSI TR 136905 V 18.5.0 *3GPP TR 36.905 Version 18.5.0 Release 18	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Universal Terrestrial Radio Access Network (E-UTRAN) – Derivation of test points for radio transmission and reception conformance test cases (3GPP TR 36.905 version 18.5.0 Release 18)	33.070.99	kolovoz 2024.
ETSI TS 137104 V 17.13.0 *3GPP TS 37.104 Version 17.13.0 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 17.13.0 Release 17)	33.070.50	kolovoz 2024.
ETSI TS 137104 V 18.6.0 *3GPP TS 37.104 Version 18.6.0 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 18.6.0 Release 18)	33.070.50	kolovoz 2024.
ETSI TS 137105 V 15.20.0 *3GPP TS 37.105 Version 15.20.0 Release 15	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Active Antenna System (AAS) Base Station (BS) transmission and reception (3GPP TS 37.105 version 15.20.0 Release 15)	33.070.99	kolovoz 2024.
ETSI TS 137105 V 16.16.0 *3GPP TS 37.105 Version 16.16.0 Release 16	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Active Antenna System (AAS) Base Station (BS) transmission and reception (3GPP TS 37.105 version 16.16.0 Release 16)	33.070.99	kolovoz 2024.
ETSI TS 137105 V 17.10.0 *3GPP TS 37.105 Version 17.10.0 Release 17	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Active Antenna System (AAS) Base Station (BS) transmission and reception (3GPP TS 37.105 version 17.10.0 Release 17)	33.070.99	kolovoz 2024.
ETSI TS 137105 V 18.5.0 *3GPP TS 37.105 Version 18.5.0 Release 18	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Active Antenna System (AAS) Base Station (BS) transmission and reception (3GPP TS 37.105 version 18.5.0 Release 18)	33.070.99	kolovoz 2024.
ETSI TS 137141 V 17.14.0 *3GPP TS 37.141 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) conformance testing (3GPP TS 37.141 version 17.14.0 Release 17)	33.070.50	kolovoz 2024.
ETSI TS 137141 V 18.6.0 *3GPP TS 37.141 Version 18.6.0 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 18.6.0 Release 18)	33.070.50	kolovoz 2024.
ETSI TS 137145-2 V 16.18.0 *3GPP TS 37.145-2 Version 16.18.0 Release 16	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Active Antenna System (AAS) Base Station (BS) conformance testing – Part 2: radiated conformance testing (3GPP TS 37.145-2 version 16.18.0 Release 16)	33.070.99	kolovoz 2024.
ETSI TS 137145-2 V 17.12.0 *3GPP TS 37.145-2 Version 17.12.0 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 17.12.0 Release 17)	33.070.99	kolovoz 2024.
ETSI TS 137145-2 V 18.6.0 *3GPP TS 37.145-2 Version 18.6.0 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 18.6.0 Release 18)	33.070.99	kolovoz 2024.



Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 137213 V 16.14.0 *3GPP TS 37.213 Version 16.14.0 Release 16	LTE – 5G – Physical layer procedures for shared spectrum channel access (3GPP TS 37.213 version 16.14.0 Release 16)	33.070.99	kolovoz 2024.
ETSI TS 137213 V 17.8.0 *3GPP TS 37.213 Version 17.8.0 Release 17	LTE – 5G – Physical layer procedures for shared spectrum channel access (3GPP TS 37.213 version 17.8.0 Release 17)	33.070.99	kolovoz 2024.
ETSI TS 137213 V 18.3.0 *3GPP TS 37.213 Version 18.3.0 Release 18	LTE – 5G – Physical layer procedures for shared spectrum channel access (3GPP TS 37.213 version 18.3.0 Release 18)	33.070.99	kolovoz 2024.
ETSI TS 137320 V 18.2.0 *3GPP TS 37.320 Version 18.2.0 Release 18	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Radio measurement collection for Minimization of Drive Tests (MDT) – Overall description – Stage 2 (3GPP TS 37.320 version 18.2.0 Release 18)	33.070.50	kolovoz 2024.
ETSI TS 137340 V 18.2.0 *3GPP TS 37.340 Version 18.2.0 Release 18	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – NR – Multi-connectivity – Overall description – Stage-2 (3GPP TS 37.340 version 18.2.0 Release 18)	33.070.99	kolovoz 2024.
ETSI TS 137355 V 18.2.0 *3GPP TS 37.355 Version 18.2.0 Release 18	LTE – 5G – LTE Positioning Protocol (LPP) (3GPP TS 37.355 version 18.2.0 Release 18)	33.070.50	kolovoz 2024.
ETSI TS 137482 V 18.1.0 *3GPP TS 37.482 Version 18.1.0 Release 18	5G – E1 signalling transport (3GPP TS 37.482 version 18.1.0 Release 18)	33.070.50	kolovoz 2024.
ETSI TS 137483 V 18.2.0 *3GPP TS 37.483 Version 18.2.0 Release 18	5G – E1 Application Protocol (E1AP) (3GPP TS 37.483 version 18.2.0 Release 18)	33.070.50	kolovoz 2024.
ETSI TS 137544 V 16.4.0 *3GPP TS 37.544 Version 16.4.0 Release 16	Universal Mobile Telecommunications System (UMTS) – LTE – Universal Terrestrial Radio Access (UTRA) and Evolved UTRA (E-UTRA) – User Equipment (UE) Over The Air (OTA) performance – Conformance testing (3GPP TS 37.544 version 16.4.0 Release 16)	33.070.99	kolovoz 2024.
ETSI TS 137571-1 V 17.5.0 *3GPP TS 37.571-1 Version 17.5.0 Release 17	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – User Equipment (UE) conformance specification for UE positioning – Part 1: Conformance test specification (3GPP TS 37.571-1 version 17.5.0 Release 17)	33.070.50	kolovoz 2024.
ETSI TS 137571-2 V 17.4.0 *3GPP TS 37.571-2 Version 17.4.0 Release 17	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – User Equipment (UE) conformance specification for UE positioning – Part 2: Protocol conformance (3GPP TS 37.571-2 version 17.4.0 Release 17)	33.070.50	kolovoz 2024.
ETSI TS 137571-3 V 16.15.0 *3GPP TS 37.571-3 Version 16.15.0 Release 16	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – User Equipment (UE) conformance specification for UE positioning – Part 3: Implementation Conformance Statement (ICS) (3GPP TS 37.571-3 version 16.15.0 Release 16)	33.070.50	kolovoz 2024.
ETSI TS 137571-3 V 17.5.0 *3GPP TS 37.571-3 Version 17.5.0 Release 17	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – User Equipment (UE) conformance specification for UE positioning – Part 3: Implementation Conformance Statement (ICS) (3GPP TS 37.571-3 version 17.5.0 Release 17)	33.070.50	kolovoz 2024.
ETSI TS 137571-4 V 16.9.0 *3GPP TS 37.571-4 Version 16.9.0 Release 16	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – User Equipment (UE) conformance specification for UE positioning – Part 4: Test suites (3GPP TS 37.571-4 version 16.9.0 Release 16)	33.070.50	kolovoz 2024.
ETSI TS 137571-4 V 17.6.0 *3GPP TS 37.571-4 Version 17.6.0 Release 17	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – User Equipment (UE) conformance specification for UE positioning – Part 4: Test suites (3GPP TS 37.571-4 version 17.6.0 Release 17)	33.070.50	kolovoz 2024.
ETSI TS 137571-5 V 17.5.0 *3GPP TS 37.571-5 Version 17.5.0 Release 17	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – User Equipment (UE) conformance specification for UE positioning – Part 5: Test scenarios and assistance data (3GPP TS 37.571-5 version 17.5.0 Release 17)	33.070.50	kolovoz 2024.
ETSI TR 137941 V 17.4.0 *3GPP TR 37.941 Version 17.4.0 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 17.4.0 Release 17)	33.070.50	kolovoz 2024.
ETSI TR 137941 V 18.1.0 *3GPP TR 37.941 Version 18.1.0 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 18.1.0 Release 18)	33.070.50	kolovoz 2024.

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 138101-1 V 15.26.0 *3GPP TS 38.101-1 Version 15.26.0 Release 15	5G – NR – User Equipment (UE) radio transmission and reception – Part 1: Range 1 Standalone (3GPP TS 38.101-1 version 15.26.0 Release 15)	33.070.99	kolovoz 2024.
ETSI TS 138101-1 V 16.20.0 *3GPP TS 38.101-1 Version 16.20.0 Release 16	5G – NR – User Equipment (UE) radio transmission and reception – Part 1: Range 1 Standalone (3GPP TS 38.101-1 version 16.20.0 Release 16)	33.070.99	kolovoz 2024.
ETSI TS 138101-1 V 17.14.0 *3GPP TS 38.101-1 Version 17.14.0 Release 17	5G – NR – User Equipment (UE) radio transmission and reception – Part 1: Range 1 Standalone (3GPP TS 38.101-1 version 17.14.0 Release 17)	33.070.99	kolovoz 2024.
ETSI TS 138101-1 V 18.6.0 *3GPP TS 38.101-1 Version 18.6.0 Release 18	5G – NR – User Equipment (UE) radio transmission and reception – Part 1: Range 1 Standalone (3GPP TS 38.101-1 version 18.6.0 Release 18)	33.070.99	kolovoz 2024.
ETSI TS 138101-2 V 15.26.0 *3GPP TS 38.101-2 Version 15.26.0 Release 15	5G – NR – User Equipment (UE) radio transmission and reception – Part 2: Range 2 Standalone (3GPP TS 38.101-2 version 15.26.0 Release 15)	33.070.99	kolovoz 2024.
ETSI TS 138101-2 V 16.20.0 *3GPP TS 38.101-2 Version 16.20.0 Release 16	5G – NR – User Equipment (UE) radio transmission and reception – Part 2: Range 2 Standalone (3GPP TS 38.101-2 version 16.20.0 Release 16)	33.070.99	kolovoz 2024.
ETSI TS 138101-2 V 17.14.0 *3GPP TS 38.101-2 Version 17.14.0 Release 17	5G – NR – User Equipment (UE) radio transmission and reception – Part 2: Range 2 Standalone (3GPP TS 38.101-2 version 17.14.0 Release 17)	33.070.99	kolovoz 2024.
ETSI TS 138101-2 V 18.6.0 *3GPP TS 38.101-2 Version 18.6.0 Release 18	5G – NR – User Equipment (UE) radio transmission and reception – Part 2: Range 2 Standalone (3GPP TS 38.101-2 version 18.6.0 Release 18)	33.070.99	kolovoz 2024.
ETSI TS 138101-3 V 15.26.0 *3GPP TS 38.101-3 Version 15.26.0 Release 15	5G – NR – User Equipment (UE) radio transmission and reception – Part 3: Range 1 and Range 2 Interworking operation with other radios (3GPP TS 38.101-3 version 15.26.0 Release 15)	33.070.99	kolovoz 2024.
ETSI TS 138101-3 V 16.20.0 *3GPP TS 38.101-3 Version 16.20.0 Release 16	5G – NR – User Equipment (UE) radio transmission and reception – Part 3: Range 1 and Range 2 Interworking operation with other radios (3GPP TS 38.101-3 version 16.20.0 Release 16)	33.070.99	kolovoz 2024.
ETSI TS 138101-3 V 17.14.0 *3GPP TS 38.101-3 Version 17.14.0 Release 17	5G – NR – User Equipment (UE) radio transmission and reception – Part 3: Range 1 and Range 2 Interworking operation with other radios (3GPP TS 38.101-3 version 17.14.0 Release 17)	33.070.99	kolovoz 2024.
ETSI TS 138101-3 V 18.6.0 *3GPP TS 38.101-3 Version 18.6.0 Release 18	5G – NR – User Equipment (UE) radio transmission and reception – Part 3: Range 1 and Range 2 Interworking operation with other radios (3GPP TS 38.101-3 version 18.6.0 Release 18)	33.070.99	kolovoz 2024.
ETSI TS 138101-4 V 15.22.0 *3GPP TS 38.101-4 Version 15.22.0 Release 15	5G – NR – User Equipment (UE) radio transmission and reception – Part 4: Performance requirements (3GPP TS 38.101-4 version 15.22.0 Release 15)	33.070.99	kolovoz 2024.
ETSI TS 138101-4 V 16.17.0 *3GPP TS 38.101-4 Version 16.17.0 Release 16	5G – NR – User Equipment (UE) radio transmission and reception – Part 4: Performance requirements (3GPP TS 38.101-4 version 16.17.0 Release 16)	33.070.99	kolovoz 2024.
ETSI TS 138101-4 V 17.13.0 *3GPP TS 38.101-4 Version 17.13.0 Release 17	5G – NR – User Equipment (UE) radio transmission and reception – Part 4: Performance requirements (3GPP TS 38.101-4 version 17.13.0 Release 17)	33.070.99	kolovoz 2024.
ETSI TS 138101-4 V 18.4.0 *3GPP TS 38.101-4 Version 18.4.0 Release 18	5G – NR – User Equipment (UE) radio transmission and reception – Part 4: Performance requirements (3GPP TS 38.101-4 version 18.4.0 Release 18)	33.070.99	kolovoz 2024.
ETSI TS 138101-5 V 17.8.0 *3GPP TS 38.101-5 Version 17.8.0 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 17.8.0 Release 17)	33.070.50	kolovoz 2024.
ETSI TS 138101-5 V 18.6.0 *3GPP TS 38.101-5 Version 18.6.0 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 18.6.0 Release 18)	33.070.50	kolovoz 2024.
ETSI TS 138104 V 16.20.0 *3GPP TS 38.104 Version 16.20.0 Release 16	5G – NR – Base Station (BS) radio transmission and reception (3GPP TS 38.104 version 16.20.0 Release 16)	33.070.99	kolovoz 2024.
ETSI TS 138104 V 17.14.0 *3GPP TS 38.104 Version 17.14.0 Release 17	5G – NR – Base Station (BS) radio transmission and reception (3GPP TS 38.104 version 17.14.0 Release 17)	33.070.99	kolovoz 2024.

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 138104 V 18.6.0 *3GPP TS 38.104 Version 18.6.0 Release 18	5G – NR – Base Station (BS) radio transmission and reception (3GPP TS 38.104 version 18.6.0 Release 18)	33.070.99	kolovoz 2024.
ETSI TS 138106 V 17.9.0 *3GPP TS 38.106 Version 17.9.0 Release 17	5G – NR repeater radio transmission and reception (3GPP TS 38.106 version 17.9.0 Release 17)	33.070.99	kolovoz 2024.
ETSI TS 138106 V 18.5.0 *3GPP TS 38.106 Version 18.5.0 Release 18	5G – NR repeater radio transmission and reception (3GPP TS 38.106 version 18.5.0 Release 18)	33.070.99	kolovoz 2024.
ETSI TS 138108 V 17.8.0 *3GPP TS 38.108 Version 17.8.0 Release 17	5G – NR – Satellite Access Node radio transmission and reception (3GPP TS 38.108 version 17.8.0 Release 17)	33.070.50	kolovoz 2024.
ETSI TS 138108 V 18.3.0 *3GPP TS 38.108 Version 18.3.0 Release 18	5G – NR – Satellite Access Node radio transmission and reception (3GPP TS 38.108 version 18.3.0 Release 18)	33.070.50	kolovoz 2024.
ETSI TS 138113 V 15.20.0 *3GPP TS 38.113 Version 15.20.0 Release 15	5G – NR – Base Station (BS) ElectroMagnetic Compatibility (EMC) (3GPP TS 38.113 version 15.20.0 Release 15)	33.070.99	kolovoz 2024.
ETSI TS 138113 V 16.11.0 *3GPP TS 38.113 Version 16.11.0 Release 16	5G – NR – Base Station (BS) ElectroMagnetic Compatibility (EMC) (3GPP TS 38.113 version 16.11.0 Release 16)	33.070.99	kolovoz 2024.
ETSI TS 138113 V 17.7.0 *3GPP TS 38.113 Version 17.7.0 Release 17	5G – NR – Base Station (BS) ElectroMagnetic Compatibility (EMC) (3GPP TS 38.113 version 17.7.0 Release 17)	33.070.99	kolovoz 2024.
ETSI TS 138113 V 18.3.0 *3GPP TS 38.113 Version 18.3.0 Release 18	5G – NR – Base Station (BS) ElectroMagnetic Compatibility (EMC) (3GPP TS 38.113 version 18.3.0 Release 18)	33.070.99	kolovoz 2024.
ETSI TS 138114 V 17.6.0 *3GPP TS 38.114 Version 17.6.0 Release 17	5G – NR – Repeaters ElectroMagnetic Compatibility (EMC) (3GPP TS 38.114 version 17.6.0 Release 17)	33.070.99	kolovoz 2024.
ETSI TS 138114 V 18.2.0 *3GPP TS 38.114 Version 18.2.0 Release 18	5G – NR – Repeaters ElectroMagnetic Compatibility (EMC) (3GPP TS 38.114 version 18.2.0 Release 18)	33.070.99	kolovoz 2024.
ETSI TS 138115-1 V 18.5.0 *3GPP TS 38.115-1 Version 18.5.0 Release 18	5G – NR – Repeater conformance testing – Part 1: Conducted conformance testing (3GPP TS 38.115-1 version 18.5.0 Release 18)	33.070.50	kolovoz 2024.
ETSI TS 138115-2 V 18.1.0 *3GPP TS 38.115-2 Version 18.1.0 Release 18	5G – NR – Repeater conformance testing – Part 2: Radiated conformance testing (3GPP TS 38.115-2 version 18.1.0 Release 18)	33.070.50	kolovoz 2024.
ETSI TS 138133 V 15.26.0 *3GPP TS 38.133 Version 15.26.0 Release 15	5G – NR – Requirements for support of radio resource management (3GPP TS 38.133 version 15.26.0 Release 15)	33.070.99	kolovoz 2024.
ETSI TS 138133 V 16.20.0 *3GPP TS 38.133 Version 16.20.0 Release 16	5G – NR – Requirements for support of radio resource management (3GPP TS 38.133 version 16.20.0 Release 16)	33.070.99	kolovoz 2024.
ETSI TS 138133 V 17.14.0 *3GPP TS 38.133 Version 17.14.0 Release 17	5G – NR – Requirements for support of radio resource management (3GPP TS 38.133 version 17.14.0 Release 17)	33.070.99	kolovoz 2024.
ETSI TS 138133 V 18.6.0 *3GPP TS 38.133 Version 18.6.0 Release 18	5G – NR – Requirements for support of radio resource management (3GPP TS 38.133 version 18.6.0 Release 18)	33.070.99	kolovoz 2024.
ETSI TS 138141-1 V 17.14.0 *3GPP TS 38.141-1 Version 17.14.0 Release 17	5G – NR – Base Station (BS) conformance testing Part 1: Conducted conformance testing (3GPP TS 38.141-1 version 17.14.0 Release 17)	33.070.99	kolovoz 2024.
ETSI TS 138141-1 V 18.6.0 *3GPP TS 38.141-1 Version 18.6.0 Release 18	5G – NR – Base Station (BS) conformance testing Part 1: Conducted conformance testing (3GPP TS 38.141-1 version 18.6.0 Release 18)	33.070.99	kolovoz 2024.
ETSI TS 138141-2 V 17.14.0 *3GPP TS 38.141-2 Version 17.14.0 Release 17	5G – NR – Base Station (BS) conformance testing Part 2: Radiated conformance testing (3GPP TS 38.141-2 version 17.14.0 Release 17)	33.070.99	kolovoz 2024.
ETSI TS 138141-2 V 18.6.0 *3GPP TS 38.141-2 Version 18.6.0 Release 18	5G – NR – Base Station (BS) conformance testing Part 2: Radiated conformance testing (3GPP TS 38.141-2 version 18.6.0 Release 18)	33.070.99	kolovoz 2024.

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 138151 V 17.8.0 *3GPP TS 38.151 Version 17.8.0 Release 17	5G – NR – User Equipment (UE) Multiple Input Multiple Output (MIMO) Over-the-Air (OTA) performance requirements (3GPP TS 38.151 version 17.8.0 Release 17)	33.070.99	kolovoz 2024.
ETSI TS 138151 V 18.1.0 *3GPP TS 38.151 Version 18.1.0 Release 18	5G – NR – User Equipment (UE) Multiple Input Multiple Output (MIMO) Over-the-Air (OTA) performance requirements (3GPP TS 38.151 version 18.1.0 Release 18)	33.070.99	kolovoz 2024.
ETSI TS 138161 V 17.4.1 *3GPP TS 38.161 Version 17.4.1 Release 17	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 17.4.1 Release 17)	33.070.50	kolovoz 2024.
ETSI TS 138161 V 18.1.0 *3GPP TS 38.161 Version 18.1.0 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 18.1.0 Release 18)	33.070.50	kolovoz 2024.
ETSI TS 138174 V 16.11.0 *3GPP TS 38.174 Version 16.11.0 Release 16	5G – NR – Integrated Access and Backhaul (IAB) radio transmission and reception (3GPP TS 38.174 version 16.11.0 Release 16)	33.070.99	kolovoz 2024.
ETSI TS 138174 V 17.8.0 *3GPP TS 38.174 Version 17.8.0 Release 17	5G – NR – Integrated Access and Backhaul (IAB) radio transmission and reception (3GPP TS 38.174 version 17.8.0 Release 17)	33.070.99	kolovoz 2024.
ETSI TS 138174 V 18.5.0 *3GPP TS 38.174 Version 18.5.0 Release 18	5G – NR – Integrated Access and Backhaul (IAB) radio transmission and reception (3GPP TS 38.174 version 18.5.0 Release 18)	33.070.99	kolovoz 2024.
ETSI TS 138175 V 18.1.0 *3GPP TS 38.175 Version 18.1.0 Release 18	5G – NR – Integrated Access and Backhaul (IAB) Electromagnetic Compatibility (EMC) (3GPP TS 38.175 version 18.1.0 Release 18)	33.070.99	kolovoz 2024.
ETSI TS 138176-1 V 16.9.0 *3GPP TS 38.176-1 Version 16.9.0 Release 16	5G – NR – Integrated Access and Backhaul (IAB) conformance testing – Part 1: Conducted conformance testing (3GPP TS 38.176-1 version 16.9.0 Release 16)	33.070.99	kolovoz 2024.
ETSI TS 138176-1 V 17.9.0 *3GPP TS 38.176-1 Version 17.9.0 Release 17	5G – NR – Integrated Access and Backhaul (IAB) conformance testing – Part 1: Conducted conformance testing (3GPP TS 38.176-1 version 17.9.0 Release 17)	33.070.99	kolovoz 2024.
ETSI TS 138176-1 V 18.5.0 *3GPP TS 38.176-1 Version 18.5.0 Release 18	5G – NR – Integrated Access and Backhaul (IAB) conformance testing – Part 1: Conducted conformance testing (3GPP TS 38.176-1 version 18.5.0 Release 18)	33.070.99	kolovoz 2024.
ETSI TS 138176-2 V 16.10.0 *3GPP TS 38.176-2 Version 16.10.0 Release 16	5G – NR – Integrated Access and Backhaul (IAB) conformance testing – Part 2: Radiated conformance testing (3GPP TS 38.176-2 version 16.10.0 Release 16)	33.070.99	kolovoz 2024.
ETSI TS 138176-2 V 17.9.0 *3GPP TS 38.176-2 Version 17.9.0 Release 17	5G – NR – Integrated Access and Backhaul (IAB) conformance testing – Part 2: Radiated conformance testing (3GPP TS 38.176-2 version 17.9.0 Release 17)	33.070.99	kolovoz 2024.
ETSI TS 138176-2 V 18.5.0 *3GPP TS 38.176-2 Version 18.5.0 Release 18	5G – NR – Integrated Access and Backhaul (IAB) conformance testing – Part 2: Radiated conformance testing (3GPP TS 38.176-2 version 18.5.0 Release 18)	33.070.99	kolovoz 2024.
ETSI TS 138181 V 17.5.0 *3GPP TS 38.181 Version 17.5.0 Release 17	5G – NR – Satellite Access Node conformance testing (3GPP TS 38.181 version 17.5.0 Release 17)	33.070.50	kolovoz 2024.
ETSI TS 138181 V 18.2.0 *3GPP TS 38.181 Version 18.2.0 Release 18	5G – NR – Satellite Access Node conformance testing (3GPP TS 38.181 version 18.2.0 Release 18)	33.070.50	kolovoz 2024.
ETSI TS 138202 V 18.3.0 *3GPP TS 38.202 Version 18.3.0 Release 18	5G – NR – Services provided by the physical layer (3GPP TS 38.202 version 18.3.0 Release 18)	33.070.99	kolovoz 2024.
ETSI TS 138211 V 17.8.0 *3GPP TS 38.211 Version 17.8.0 Release 17	5G – NR – Physical channels and modulation (3GPP TS 38.211 version 17.8.0 Release 17)	33.070.99	kolovoz 2024.
ETSI TS 138211 V 18.3.0 *3GPP TS 38.211 Version 18.3.0 Release 18	5G – NR – Physical channels and modulation (3GPP TS 38.211 version 18.3.0 Release 18)	33.070.99	kolovoz 2024.
ETSI TS 138212 V 16.14.0 *3GPP TS 38.212 Version 16.14.0 Release 16	5G – NR – Multiplexing and channel coding (3GPP TS 38.212 version 16.14.0 Release 16)	33.070.99	kolovoz 2024.
ETSI TS 138212 V 17.9.0 *3GPP TS 38.212 Version 17.9.0 Release 17	5G – NR – Multiplexing and channel coding (3GPP TS 38.212 version 17.9.0 Release 17)	33.070.99	kolovoz 2024.

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 138212 V 18.3.0 *3GPP TS 38.212 Version 18.3.0 Release 18	5G – NR – Multiplexing and channel coding (3GPP TS 38.212 version 18.3.0 Release 18)	33.070.99	kolovoz 2024.
ETSI TS 138213 V 17.10.0 *3GPP TS 38.213 Version 17.10.0 Release 17	5G – NR – Physical layer procedures for control (3GPP TS 38.213 version 17.10.0 Release 17)	33.070.99	kolovoz 2024.
ETSI TS 138213 V 18.3.0 *3GPP TS 38.213 Version 18.3.0 Release 18	5G – NR – Physical layer procedures for control (3GPP TS 38.213 version 18.3.0 Release 18)	33.070.99	kolovoz 2024.
ETSI TS 138214 V 16.17.0 *3GPP TS 38.214 Version 16.17.0 Release 16	5G – NR – Physical layer procedures for data (3GPP TS 38.214 version 16.17.0 Release 16)	33.070.99	kolovoz 2024.
ETSI TS 138214 V 17.10.0 *3GPP TS 38.214 Version 17.10.0 Release 17	5G – NR – Physical layer procedures for data (3GPP TS 38.214 version 17.10.0 Release 17)	33.070.99	kolovoz 2024.
ETSI TS 138214 V 18.3.0 *3GPP TS 38.214 Version 18.3.0 Release 18	5G – NR – Physical layer procedures for data (3GPP TS 38.214 version 18.3.0 Release 18)	33.070.99	kolovoz 2024.
ETSI TS 138215 V 17.5.0 *3GPP TS 38.215 Version 17.5.0 Release 17	5G – NR – Physical layer measurements (3GPP TS 38.215 version 17.5.0 Release 17)	33.070.99	kolovoz 2024.
ETSI TS 138215 V 18.3.0 *3GPP TS 38.215 Version 18.3.0 Release 18	5G – NR – Physical layer measurements (3GPP TS 38.215 version 18.3.0 Release 18)	33.070.99	kolovoz 2024.
ETSI TS 138300 V 15.17.0 *3GPP TS 38.300 Version 15.17.0 Release 15	5G – NR – NR and NG-RAN Overall description – Stage-2 (3GPP TS 38.300 version 15.17.0 Release 15)	33.070.99	kolovoz 2024.
ETSI TS 138300 V 16.16.0 *3GPP TS 38.300 Version 16.16.0 Release 16	5G – NR – NR and NG-RAN Overall description – Stage-2 (3GPP TS 38.300 version 16.16.0 Release 16)	33.070.99	kolovoz 2024.
ETSI TS 138300 V 17.9.0 *3GPP TS 38.300 Version 17.9.0 Release 17	5G – NR – NR and NG-RAN Overall description – Stage-2 (3GPP TS 38.300 version 17.9.0 Release 17)	33.070.99	kolovoz 2024.
ETSI TS 138300 V 18.2.0 *3GPP TS 38.300 Version 18.2.0 Release 18	5G – NR – NR and NG-RAN Overall description – Stage-2 (3GPP TS 38.300 version 18.2.0 Release 18)	33.070.99	kolovoz 2024.
ETSI TS 138304 V 17.9.0 *3GPP TS 38.304 Version 17.9.0 Release 17	5G – NR – User Equipment (UE) procedures in Idle mode and in RRC Inactive state (3GPP TS 38.304 version 17.9.0 Release 17)	33.070.99	kolovoz 2024.
ETSI TS 138304 V 18.2.0 *3GPP TS 38.304 Version 18.2.0 Release 18	5G – NR – User Equipment (UE) procedures in Idle mode and in RRC Inactive state (3GPP TS 38.304 version 18.2.0 Release 18)	33.070.99	kolovoz 2024.
ETSI TS 138305 V 18.2.0 *3GPP TS 38.305 Version 18.2.0 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 18.2.0 Release 18)	33.070.99	kolovoz 2024.
ETSI TS 138306 V 15.25.0 *3GPP TS 38.306 Version 15.25.0 Release 15	5G – NR – User Equipment (UE) radio access capabilities (3GPP TS 38.306 version 15.25.0 Release 15)	33.070.99	kolovoz 2024.
ETSI TS 138306 V 16.17.0 *3GPP TS 38.306 Version 16.17.0 Release 16	5G – NR – User Equipment (UE) radio access capabilities (3GPP TS 38.306 version 16.17.0 Release 16)	33.070.99	kolovoz 2024.
ETSI TS 138306 V 17.9.0 *3GPP TS 38.306 Version 17.9.0 Release 17	5G – NR – User Equipment (UE) radio access capabilities (3GPP TS 38.306 version 17.9.0 Release 17)	33.070.99	kolovoz 2024.
ETSI TS 138306 V 18.2.0 *3GPP TS 38.306 Version 18.2.0 Release 18	5G – NR – User Equipment (UE) radio access capabilities (3GPP TS 38.306 version 18.2.0 Release 18)	33.070.99	kolovoz 2024.
ETSI TS 138307 V 17.13.0 *3GPP TS 38.307 Version 17.13.0 Release 17	5G – NR – Requirements on User Equipments (UEs) supporting a release-independent frequency band (3GPP TS 38.307 version 17.13.0 Release 17)	33.070.99	kolovoz 2024.
ETSI TS 138307 V 18.2.0 *3GPP TS 38.307 Version 18.2.0 Release 18	5G – NR – Requirements on User Equipments (UEs) supporting a release-independent frequency band (3GPP TS 38.307 version 18.2.0 Release 18)	33.070.99	kolovoz 2024.

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 138321 V 16.16.0 *3GPP TS 38.321 Version 16.16.0 Release 16	5G – NR – Medium Access Control (MAC) protocol specification (3GPP TS 38.321 version 16.16.0 Release 16)	33.070.99	kolovoz 2024.
ETSI TS 138321 V 17.9.0 *3GPP TS 38.321 Version 17.9.0 Release 17	5G – NR – Medium Access Control (MAC) protocol specification (3GPP TS 38.321 version 17.9.0 Release 17)	33.070.99	kolovoz 2024.
ETSI TS 138321 V 18.2.0 *3GPP TS 38.321 Version 18.2.0 Release 18	5G – NR – Medium Access Control (MAC) protocol specification (3GPP TS 38.321 version 18.2.0 Release 18)	33.070.99	kolovoz 2024.
ETSI TS 138322 V 18.1.0 *3GPP TS 38.322 Version 18.1.0 Release 18	5G – NR – Radio Link Control (RLC) protocol specification (3GPP TS 38.322 version 18.1.0 Release 18)	33.070.99	kolovoz 2024.
ETSI TS 138323 V 18.2.0 *3GPP TS 38.323 Version 18.2.0 Release 18	5G – NR – Packet Data Convergence Protocol (PDCP) specification (3GPP TS 38.323 version 18.2.0 Release 18)	33.070.99	kolovoz 2024.
ETSI TS 138331 V 15.26.0 *3GPP TS 38.331 Version 15.26.0 Release 15	5G – NR – Radio Resource Control (RRC) – Protocol specification (3GPP TS 38.331 version 15.26.0 Release 15)	33.070.99	kolovoz 2024.
ETSI TS 138331 V 16.17.0 *3GPP TS 38.331 Version 16.17.0 Release 16	5G – NR – Radio Resource Control (RRC) – Protocol specification (3GPP TS 38.331 version 16.17.0 Release 16)	33.070.99	kolovoz 2024.
ETSI TS 138331 V 17.9.0 *3GPP TS 38.331 Version 17.9.0 Release 17	5G – NR – Radio Resource Control (RRC) – Protocol specification (3GPP TS 38.331 version 17.9.0 Release 17)	33.070.99	kolovoz 2024.
ETSI TS 138331 V 18.2.0 *3GPP TS 38.331 Version 18.2.0 Release 18	5G – NR – Radio Resource Control (RRC) – Protocol specification (3GPP TS 38.331 version 18.2.0 Release 18)	33.070.99	kolovoz 2024.
ETSI TS 138351 V 18.2.0 *3GPP TS 38.351 Version 18.2.0 Release 18	5G – NR – Sidelink Relay Adaptation Protocol (SRAP) Specification (3GPP TS 38.351 version 18.2.0 Release 18)	33.070.50	kolovoz 2024.
ETSI TS 138355 V 18.2.0 *3GPP TS 38.355 Version 18.2.0 Release 18	5G – NR – Sidelink Positioning Protocol (SLPP) – Protocol Specification (3GPP TS 38.355 version 18.2.0 Release 18)	33.070.50	kolovoz 2024.
ETSI TS 138401 V 17.9.0 *3GPP TS 38.401 Version 17.9.0 Release 17	5G – NG-RAN – Architecture description (3GPP TS 38.401 version 17.9.0 Release 17)	33.070.99	kolovoz 2024.
ETSI TS 138401 V 18.2.0 *3GPP TS 38.401 Version 18.2.0 Release 18	5G – NG-RAN – Architecture description (3GPP TS 38.401 version 18.2.0 Release 18)	33.070.99	kolovoz 2024.
ETSI TS 138410 V 18.2.0 *3GPP TS 38.410 Version 18.2.0 Release 18	5G – NG-RAN – NG general aspects and principles (3GPP TS 38.410 version 18.2.0 Release 18)	33.070.99	kolovoz 2024.
ETSI TS 138412 V 18.1.0 *3GPP TS 38.412 Version 18.1.0 Release 18	5G – NG-RAN – NG signalling transport (3GPP TS 38.412 version 18.1.0 Release 18)	33.070.99	kolovoz 2024.
ETSI TS 138413 V 17.9.0 *3GPP TS 38.413 Version 17.9.0 Release 17	5G – NG-RAN – NG Application Protocol (NGAP) (3GPP TS 38.413 version 17.9.0 Release 17)	33.070.99	kolovoz 2024.
ETSI TS 138413 V 18.2.0 *3GPP TS 38.413 Version 18.2.0 Release 18	5G – NG-RAN – NG Application Protocol (NGAP) (3GPP TS 38.413 version 18.2.0 Release 18)	33.070.99	kolovoz 2024.
ETSI TS 138422 V 18.1.0 *3GPP TS 38.422 Version 18.1.0 Release 18	5G – NG-RAN – Xn signalling transport (3GPP TS 38.422 version 18.1.0 Release 18)	33.070.99	kolovoz 2024.
ETSI TS 138423 V 16.18.0 *3GPP TS 38.423 Version 16.18.0 Release 16	5G – NG-RAN – Xn Application Protocol (XnAP) (3GPP TS 38.423 version 16.18.0 Release 16)	33.070.99	kolovoz 2024.
ETSI TS 138423 V 17.9.0 *3GPP TS 38.423 Version 17.9.0 Release 17	5G – NG-RAN – Xn Application Protocol (XnAP) (3GPP TS 38.423 version 17.9.0 Release 17)	33.070.99	kolovoz 2024.
ETSI TS 138423 V 18.2.0 *3GPP TS 38.423 Version 18.2.0 Release 18	5G – NG-RAN – Xn Application Protocol (XnAP) (3GPP TS 38.423 version 18.2.0 Release 18)	33.070.99	kolovoz 2024.

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 138425 V 18.1.0 *3GPP TS 38.425 Version 18.1.0 Release 18	5G – NG-RAN – NR user plane protocol (3GPP TS 38.425 version 18.1.0 Release 18)	33.070.99	kolovoz 2024.
ETSI TS 138455 V 17.8.0 *3GPP TS 38.455 Version 17.8.0 Release 17	5G – NG-RAN – NR Positioning Protocol A (NRPPa) (3GPP TS 38.455 version 17.8.0 Release 17)	33.070.99	kolovoz 2024.
ETSI TS 138455 V 18.2.1 *3GPP TS 38.455 Version 18.2.1 Release 18	5G – NG-RAN – NR Positioning Protocol A (NRPPa) (3GPP TS 38.455 version 18.2.1 Release 18)	33.070.99	kolovoz 2024.
ETSI TS 138462 V 16.4.0 *3GPP TS 38.462 Version 16.4.0 Release 16	5G – NG-RAN – E1 signalling transport (3GPP TS 38.462 version 16.4.0 Release 16)	33.070.99	kolovoz 2024.
ETSI TS 138470 V 18.2.0 *3GPP TS 38.470 Version 18.2.0 Release 18	5G – NG-RAN – F1 general aspects and principles (3GPP TS 38.470 version 18.2.0 Release 18)	33.070.99	kolovoz 2024.
ETSI TS 138472 V 18.1.0 *3GPP TS 38.472 Version 18.1.0 Release 18	5G – NG-RAN – F1 signalling transport (3GPP TS 38.472 version 18.1.0 Release 18)	33.070.99	kolovoz 2024.
ETSI TS 138473 V 16.18.0 *3GPP TS 38.473 Version 16.18.0 Release 16	5G – NG-RAN – F1 Application Protocol (F1AP) (3GPP TS 38.473 version 16.18.0 Release 16)	33.070.99	kolovoz 2024.
ETSI TS 138473 V 17.9.0 *3GPP TS 38.473 Version 17.9.0 Release 17	5G – NG-RAN – F1 Application Protocol (F1AP) (3GPP TS 38.473 version 17.9.0 Release 17)	33.070.99	kolovoz 2024.
ETSI TS 138473 V 18.2.0 *3GPP TS 38.473 Version 18.2.0 Release 18	5G – NG-RAN – F1 Application Protocol (F1AP) (3GPP TS 38.473 version 18.2.0 Release 18)	33.070.99	kolovoz 2024.
ETSI TS 138508-1 V 18.3.0 *3GPP TS 38.508-1 Version 18.3.0 Release 18	LTE – 5G – 5GS – User Equipment (UE) conformance specification – Part 1: Common test environment (3GPP TS 38.508-1 version 18.3.0 Release 18)	33.070.99	kolovoz 2024.
ETSI TS 138508-2 V 18.3.0 *3GPP TS 38.508-2 Version 18.3.0 Release 18	LTE – 5G – 5GS – User Equipment (UE) conformance specification – Part 2: Common Implementation Conformance Statement (ICS) proforma (3GPP TS 38.508-2 version 18.3.0 Release 18)	33.070.99	kolovoz 2024.
ETSI TS 138521-1 V 18.3.0 *3GPP TS 38.521-1 Version 18.3.0 Release 18	5G – NR – User Equipment (UE) conformance specification – Radio transmission and reception – Part 1: Range 1 standalone (3GPP TS 38.521-1 version 18.3.0 Release 18)	33.070.50; 33.070.99	kolovoz 2024.
ETSI TS 138521-2 V 18.3.0 *3GPP TS 38.521-2 Version 18.3.0 Release 18	5G – NR – User Equipment (UE) conformance specification – Radio transmission and reception – Part 2: Range 2 standalone (3GPP TS 38.521-2 version 18.3.0 Release 18)	33.070.99	kolovoz 2024.
ETSI TS 138521-3 V 18.3.0 *3GPP TS 38.521-3 Version 18.3.0 Release 18	5G – NR – User Equipment (UE) conformance specification – Radio transmission and reception – Part 3: Range 1 and Range 2 Interworking operation with other radios (3GPP TS 38.521-3 version 18.3.0 Release 18)	33.070.99	kolovoz 2024.
ETSI TS 138521-4 V 18.3.0 *3GPP TS 38.521-4 Version 18.3.0 Release 18	5G – NR – User Equipment (UE) conformance specification – Radio transmission and reception – Part 4: Performance (3GPP TS 38.521-4 version 18.3.0 Release 18)	33.070.99	kolovoz 2024.
ETSI TS 138521-5 V 17.1.0 *3GPP TS 38.521-5 Version 17.1.0 Release 17	5G – NR – User Equipment (UE) conformance specification – Radio transmission and reception – Part 5: Satellite access Radio Frequency (RF) and performance (3GPP TS 38.521-5 version 17.1.0 Release 17)	33.070.99	kolovoz 2024.
ETSI TS 138521-5 V 18.2.0 *3GPP TS 38.521-5 Version 18.2.0 Release 18	5G – NR – User Equipment (UE) conformance specification – Radio transmission and reception – Part 5: Satellite access Radio Frequency (RF) and performance (3GPP TS 38.521-5 version 18.2.0 Release 18)	33.070.99	kolovoz 2024.
ETSI TS 138522 V 15.4.0 *3GPP TS 38.522 Version 15.4.0 Release 15	5G – NR – User Equipment (UE) conformance specification – Applicability of radio transmission, radio reception and radio resource management test cases (3GPP TS 38.522 version 15.4.0 Release 15)	33.070.99	kolovoz 2024.
ETSI TS 138522 V 18.3.0 *3GPP TS 38.522 Version 18.3.0 Release 18	5G – NR – User Equipment (UE) conformance specification – Applicability of radio transmission, radio reception and radio resource management test cases (3GPP TS 38.522 version 18.3.0 Release 18)	33.070.99	kolovoz 2024.

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 138523-1 V 17.7.0 *3GPP TS 38.523-1 Version 17.7.0 Release 17	LTE – 5G – 5GS – User Equipment (UE) conformance specification – Part 1: Protocol (3GPP TS 38.523-1 version 17.7.0 Release 17)	33.070.99	kolovoz 2024.
ETSI TS 138523-2 V 17.7.1 *3GPP TS 38.523-2 Version 17.7.1 Release 17	LTE – 5G – 5GS – User Equipment (UE) conformance specification – Part 2: Applicability of protocol test cases (3GPP TS 38.523-2 version 17.7.1 Release 17)	33.070.99	kolovoz 2024.
ETSI TS 138523-3 V 17.11.0 *3GPP TS 38.523-3 Version 17.11.0 Release 17	LTE – 5G – 5GS – User Equipment (UE) conformance specification – Part 3: Protocol Test Suites (3GPP TS 38.523-3 version 17.11.0 Release 17)	33.070.99	kolovoz 2024.
ETSI TS 138533 V 18.3.0 *3GPP TS 38.533 Version 18.3.0 Release 18	5G – NR – User Equipment (UE) conformance specification – Radio Resource Management (RRM) (3GPP TS 38.533 version 18.3.0 Release 18)	33.070.50; 33.070.99	kolovoz 2024.
ETSI TS 138551 V 17.2.0 *3GPP TS 38.551 Version 17.2.0 Release 17	5G – NR – User Equipment (UE) Multiple Input Multiple Output (MIMO) Over-the-Air (OTA) performance – Conformance testing (3GPP TS 38.551 version 17.2.0 Release 17)	33.070.99	kolovoz 2024.
ETSI TS 138561 V 17.2.0 *3GPP TS 38.561 Version 17.2.0 Release 17	5G – NR – User Equipment (UE) conformance specification – UE TRP (Total Radiated Power) and TRS (Total Radiated Sensitivity) requirements and test methodologies for FR1 (NR SA and EN-DC) (3GPP TS 38.561 version 17.2.0 Release 17)	33.070.99	kolovoz 2024.
ETSI TR 138903 V 16.15.0 *3GPP TR 38.903 Version 16.15.0 Release 16	5G – NR – Derivation of test tolerances and measurement uncertainty for User Equipment (UE) conformance test cases (3GPP TR 38.903 version 16.15.0 Release 16)	33.070.99	kolovoz 2024.
ETSI TR 138903 V 18.3.0 *3GPP TR 38.903 Version 18.3.0 Release 18	5G – NR – Derivation of test tolerances and measurement uncertainty for User Equipment (UE) conformance test cases (3GPP TR 38.903 version 18.3.0 Release 18)	33.070.99	kolovoz 2024.
ETSI TR 138905 V 18.3.0 *3GPP TR 38.905 Version 18.3.0 Release 18	5G – NR – Derivation of test points for radio transmission and reception User Equipment (UE) conformance test cases (3GPP TR 38.905 version 18.3.0 Release 18)	33.070.99	kolovoz 2024.
ETSI GS CDM 003 V 2.1.1	Common information sharing environment service and Data Model (CDM) – CDM Architecture – Release 2	35.080; 35.240.01	kolovoz 2024.
ETSI GS CDM 004 V 2.1.1	Common information sharing environment service and Data Model (CDM) – Service Model – Release 2	35.080; 35.240.01	kolovoz 2024.
ETSI GS CDM 005 V 2.1.1	Common information sharing environment service and Data Model (CDM) – Data Model – Release 2	35.080; 35.240.01	kolovoz 2024.
ETSI GS F5G 026 V 1.1.1	Fifth Generation Fixed Network (F5G) – Architecture and data models for residential service quality monitoring	33.040.35	kolovoz 2024.
ETSI GR CDM 008 V 1.2.1	Common information sharing environment service and Data Model (CDM) – Testing Platform	35.240.60	kolovoz 2024.
ETSI GS NFV-IFA 026 V 5.1.1	Network Functions Virtualisation (NFV) Release 5 – Management and Orchestration – Architecture enhancement for Security Management Specification	35.110	kolovoz 2024.
ETSI GS NFV-IFA 053 V 5.1.1	Network Functions Virtualisation (NFV) Release 5 – Management and Orchestration – Requirements and interface specification for Physical Infrastructure Management	35.110	kolovoz 2024.
ETSI GS NFV-SOL 016 V 5.1.1	Network Functions Virtualisation (NFV) Release 5 – Protocols and Data Models – NFV-MANO procedures specification	35.110	kolovoz 2024.
ETSI GS NFV-TST 010 V 4.4.1	Network Functions Virtualisation (NFV) Release 4 – Testing – API Conformance Testing Specification	35.110	kolovoz 2024.
EN 302307-2 V 1.4.1	Digital Video Broadcasting (DVB) – Second generation framing structure, channel coding and modulation systems for Broadcasting, Interactive Services, News Gathering and other broadband satellite applications – Part 2: DVB-S2 Extensions (DVB-S2X)	33.170	kolovoz 2024.
EN 303798 V 2.1.1	Intelligent Transport Systems (ITS) – LTE-V2X and NR-V2X Access layer specification for Intelligent Transport Systems operating in the 5 GHz frequency band – Release 2	03.220.20; 35.240.60	kolovoz 2024.
ETSI TS 138101-4 V 18.3.1 *3GPP TS 38.101-4 Version 18.3.1 Release 18	5G – NR – User Equipment (UE) radio transmission and reception – Part 4: Performance requirements (3GPP TS 38.101-4 version 18.3.1 Release 18)	33.070.99	kolovoz 2024.
ETSI TS 138306 V 18.1.0 *3GPP TS 38.306 Version 18.1.0 Release 18	5G – NR – User Equipment (UE) radio access capabilities (3GPP TS 38.306 version 18.1.0 Release 18)	33.070.99	kolovoz 2024.



## Međunarodna normizacija (ISO)

Oznaka norme	Naslov norme	ICS	Datum objave
IWA 45	Sustainable critical mineral supply chains	03.100.10; 73.060.01	kolovoz 2024.
IWA 46	Ethics and integrity in sport – Guidelines	03.100.02	kolovoz 2024.
ISO 562	Hard coal and coke – Determination of volatile matter	73.040; 75.160.10	kolovoz 2024.
ISO 642	Steel – Hardenability test by end quenching (Jominy test)	77.040.99	kolovoz 2024.
ISO 643	Steels – Micrographic determination of the apparent grain size	77.040.99	kolovoz 2024.
ISO 924	Coal preparation plant – Principles and conventions for flowsheets	73.120	kolovoz 2024.
ISO 1213-2	Coal and coke – Vocabulary – Part 2: Terms relating to sampling, testing and analysis	01.040.73; 01.040.75; 73.040; 75.160.10	kolovoz 2024.
ISO 2407	Test conditions for internal cylindrical grinding machines with horizontal spindle – Testing of accuracy	25.080.50	kolovoz 2024.
ISO 2419	Leather – Physical and mechanical tests – Specimen and test piece conditioning	59.140.30	kolovoz 2024.
ISO/TR 4448-1	Intelligent transport systems – Public-area mobile robots (PMR) – Part 1: Overview of paradigm	03.220.01; 35.240.60	kolovoz 2024.
ISO 4649	Rubber, vulcanized or thermoplastic – Determination of abrasion resistance using a rotating cylindrical drum device	83.060	kolovoz 2024.
ISO 5053-3	Industrial trucks – Vocabulary – Part 3: Accessories and components	01.040.53; 53.060	kolovoz 2024.
ISO/TS 5462	Rubber latex coated fabric gloves – Specification	59.080.40; 83.140.99	kolovoz 2024.
ISO 5892	Rubber building gaskets – Materials for preformed solid vulcanized structural gaskets – Specification	83.140.50; 91.100.50	kolovoz 2024.
ISO 5942	Bamboo-wood composite for container flooring	55.180.10	kolovoz 2024.
ISO 6338-2	Calculations of greenhouse gas (GHG) emissions throughout the liquefied natural gas (LNG) chain – Part 2: Natural gas production and transport to LNG plant	13.020.40; 75.020	kolovoz 2024.
ISO 6518-2	Road vehicles – Ignition systems – Part 2: Electrical performance and function test methods	43.060.50	kolovoz 2024.
ISO 6872	Dentistry – Ceramic materials	11.060.10	kolovoz 2024.
ISO 6934-5	Steel for the prestressing of concrete – Part 5: Hot-rolled steel bars with or without subsequent processing	77.140.15; 91.080.40	kolovoz 2024.
ISO 7102	Infant formula – Determination of $\beta$ -galactooligosaccharides – Ultra high performance liquid chromatography (UHPLC) with fluorescence detection after pre-column derivatization	67.050	kolovoz 2024.
ISO 7211-2	Textiles – Methods for analysis of woven fabrics construction – Part 2: Determination of number of threads per unit length	59.080.30	kolovoz 2024.
ISO/TS 7538	Functional requirements for disposition of records	01.140.20	kolovoz 2024.
ISO 7617-1	Plastics-coated fabrics for upholstery – Part 1: Specification for PVC-coated knitted fabrics	59.080.40; 83.140; 97.140	kolovoz 2024.
ISO/PAS 8329	Extended master connection file (χMCF) – Description of mechanical connections and joints in structural systems	25.040.40	kolovoz 2024.
ISO/IEC/IEEE 8802-1Q	Telecommunications and exchange between information technology systems – Requirements for local and metropolitan area networks – Part 1Q: Bridges and bridged networks	35.110	kolovoz 2024.
ISO 8933-2	Ships and marine technology – Energy efficiency – Part 2: Energy efficiency of maritime functional systems	47.020.01	kolovoz 2024.
ISO 8959	Traditional Chinese medicine – Eucommia ulmoides stem bark	11.120.10	kolovoz 2024.
ISO 9241-5	Ergonomics of human-system interaction – Part 5: Workstation layout and postural requirements	13.180; 35.180	kolovoz 2024.
ISO/TS 9320	Health informatics – Standardized data set for transfer of hemodialysis patients	35.240.80	kolovoz 2024.
ISO 9374-1	Cranes – Information to be provided – Part 1: General	53.020.20	kolovoz 2024.
ISO 9374-4	Cranes – Information to be provided – Part 4: Jib cranes	53.020.20	kolovoz 2024.
ISO 9455-18	Soft soldering fluxes – Test methods – Part 18: Cleanliness of soldered printed circuit assemblies before and/or after cleaning	25.160.50	kolovoz 2024.

Oznaka norme	Naslov norme	ICS	Datum objave
ISO 10427-1	Oil and gas industries including lower carbon energy – Equipment for well cementing – Part 1: Casing bow-spring centralizers	75.180.10	kolovoz 2024.
ISO 10555-8	Intravascular catheters – Sterile and single-use catheters – Part 8: Catheters for extracorporeal blood treatment	11.040.25	kolovoz 2024.
ISO 10571	Tyres for mobile cranes and similar specialized machines	53.020.20; 83.160.99	kolovoz 2024.
ISO/IEEE 11073-10421	Health informatics – Device interoperability – Part 10421: Personal health device communication – Device specialization – Peak expiratory flow monitor (peak flow)	35.240.80	kolovoz 2024.
ISO 11812 AMD 1	Small craft – Watertight or quick-draining recesses and cockpits – Amendment 1	47.080	kolovoz 2024.
ISO 11999-4	PPE for firefighters – Test methods and requirements for PPE used by firefighters who are at risk of exposure to high levels of heat and/or flame while fighting fires occurring in structures – Part 4: Gloves	13.340.10; 13.340.40	kolovoz 2024.
ISO 11999-5	PPE for firefighters – Test methods and requirements for PPE used by firefighters who are at risk of exposure to high levels of heat and/or flame while fighting fires occurring in structures – Part 5: Helmets	13.340.20	kolovoz 2024.
ISO 11999-6	PPE for firefighters – Test methods and requirements for PPE used by firefighters who are at risk of exposure to high levels of heat and/or flame while fighting fires occurring in structures – Part 6: Footwear	13.340.50	kolovoz 2024.
ISO 12480-1	Cranes – Safe use – Part 1: General	53.020.20	kolovoz 2024.
ISO 12834	Textiles – Synthetic filament yarns – Determination of dynamic thermal draw-force of partially oriented yarns (POY)	59.080.20	kolovoz 2024.
ISO/TS 12901-1	Nanotechnologies – Occupational risk management applied to engineered nanomaterials – Part 1: Principles and approaches	07.120; 13.100	kolovoz 2024.
ISO 13032	Petroleum and related products – Determination of low concentration of sulfur in automotive fuels – Energy-dispersive X-ray fluorescence spectrometric method	75.160.20	kolovoz 2024.
ISO 13351	Fans – Dimensions	23.120	kolovoz 2024.
ISO 13431	Geotextiles and geotextile-related products – Determination of tensile creep and creep rupture behaviour	59.080.70	kolovoz 2024.
ISO 13948-2	Diesel engines – Fuel injection pumps and fuel injector low-pressure connections – Part 2: Non-threaded (push-on) connections	43.060.40	kolovoz 2024.
ISO 14306-1	Industrial automation systems and integration – JT file format specification for 3D visualization – Part 1: Overview and fundamental principles	01.040.25; 25.040.01	kolovoz 2024.
ISO 14306-2	Industrial automation systems and integration – JT file format specification for 3D visualization – Part 2: Vocabulary	01.040.25; 25.040.01	kolovoz 2024.
ISO 14427	Carbonaceous materials used in the production of aluminium – Cold and tepid ramming pastes – Preparation of unbaked test specimens and determination of apparent density after compaction	71.100.10	kolovoz 2024.
ISO 14813-1	Intelligent transport systems – Reference model architecture(s) for the ITS sector – Part 1: ITS service domains, service groups and services	03.220.01; 35.240.60	kolovoz 2024.
ISO 15995 AMD 1	Gas cylinders – Specifications and testing of LPG cylinder valves – Manually operated – Amendment 1	23.020.35	kolovoz 2024.
ISO/TR 16219	Fans – System effects and system effect factors	23.120	kolovoz 2024.
ISO 16368	Mobile elevating work platforms – Design, calculations, safety requirements and test methods	53.020.99	kolovoz 2024.
ISO/PAS 16617	Clean cookstoves and clean cooking solutions – Guidance for evaluation	97.040.20	kolovoz 2024.
ISO/TS 16774-1	Test methods for repair materials for water-leakage cracks in underground concrete structures – Part 1: Test method for thermal stability	91.080.40	kolovoz 2024.

Oznaka norme	Naslov norme	ICS	Datum objave
ISO/TS 16774-5	Test methods for repair materials for water-leakage cracks in underground concrete structures – Part 5: Test method for watertightness	91.080.40	kolovoz 2024.
ISO/TS 16774-6	Test methods for repair materials for water-leakage cracks in underground concrete structures – Part 6: Test method for response to the substrate movement	91.080.40	kolovoz 2024.
ISO 16890-3	Air filters for general ventilation – Part 3: Determination of the gravimetric efficiency and the air flow resistance versus the mass of test dust captured	91.140.30	kolovoz 2024.
ISO 17544	Carbonaceous materials used in the production of aluminium – Cold and tepid ramming pastes – Determination of rammability of unbaked pastes	71.100.10	kolovoz 2024.
ISO/IEC 17839-2	Information technology – Biometric System-on-Card – Part 2: Physical characteristics	35.240.15	kolovoz 2024.
ISO 17895	Paints and varnishes – Determination of volatile organic compound (VOC) – Gas-chromatographic method with headspace injection for VOC determination	87.040	kolovoz 2024.
ISO/IEC 18004	Information technology – Automatic identification and data capture techniques – QR code bar code symbology specification	01.080.50; 35.040.50	kolovoz 2024.
ISO 19085-7	Woodworking machines – Safety – Part 7: Surface planing, thickness planing and combined surface/thickness planing machines	13.110; 79.120.10	kolovoz 2024.
ISO 19085-9	Woodworking machines – Safety – Part 9: Circular saw benches (with and without sliding table)	13.110; 79.120.10	kolovoz 2024.
ISO 19164	Geographic information – Indoor feature model	35.240.70	kolovoz 2024.
ISO 19211	Anaesthetic and respiratory equipment – Fire-activated oxygen shut-off devices for use during oxygen therapy	11.040.10	kolovoz 2024.
ISO 19430	Determination of particle size distribution and number concentration by particle tracking analysis (PTA)	19.120	kolovoz 2024.
ISO/IEC TR 19566-9	Information technology – JPEG Systems – Part 9: JPEG extensions mechanisms to facilitate forwards and backwards compatibility	35.040.30	kolovoz 2024.
ISO/IEC TS 19568	Programming Languages – C++ Extensions for Library Fundamentals	35.060	kolovoz 2024.
ISO/TS 19590	Nanotechnologies – Characterization of nano-objects using single particle inductively coupled plasma mass spectrometry	7.120	kolovoz 2024.
ISO 20701	Leather – Tests for colour fastness – Colour fastness to saliva	59.140.30	kolovoz 2024.
ISO 21012	Cryogenic vessels – Hoses	23.020.40; 83.140.40	kolovoz 2024.
ISO/IEC 21122-2	Information technology – JPEG XS low-latency lightweight image coding system – Part 2: Profiles and buffer models	35.040.30	kolovoz 2024.
ISO/IEC 21122-3	Information technology – JPEG XS low-latency lightweight image coding system – Part 3: Transport and container formats	35.040.30	kolovoz 2024.
ISO 21512	Project, programme and portfolio management – Earned value management implementation guidance	03.100.40	kolovoz 2024.
ISO 21561-2	Styrene-butadiene rubber (SBR) – Determination of the microstructure of solution-polymerized SBR – Part 2: Fourier transform infrared spectrometry (FTIR) with attenuated total reflection (ATR) method	83.060	kolovoz 2024.
ISO 21573-1	Building construction machinery and equipment – Concrete pumps – Part 1: Commercial specifications	01.040.91; 91.220	kolovoz 2024.
ISO 21898	Packaging – Flexible intermediate bulk containers (FIBCs) for non-dangerous goods	55.180.99	kolovoz 2024.
ISO 22174	Microbiology of the food chain – Polymerase chain reaction (PCR) for the detection and quantification of microorganisms – General requirements and definitions	07.100.30	kolovoz 2024.
ISO 22195-7	Textiles – Determination of index ingredient from coloured textile – Part 7: Himalayan rhubarb	59.080.01	kolovoz 2024.
ISO 22195-8	Textiles – Determination of index ingredient from coloured textile – Part 8: Hibiscus	59.080.01	kolovoz 2024.

Oznaka norme	Naslov norme	ICS	Datum objave
ISO 22359	Security and resilience – Guidelines for hardened protective shelters	03.100.01; 91.040.99	kolovoz 2024.
ISO/TS 22360	Security and resilience – Crisis management – Concepts, principles and framework	03.100.01	kolovoz 2024.
ISO 22459	Fine ceramics (advanced ceramics, advanced technical ceramics) – Reinforcement of ceramic composites – Determination of distribution of tensile strength and tensile strain to failure of filaments within a multifilament tow at ambient temperature	81.060.30	kolovoz 2024.
ISO/TR 23016-5	Fine bubble technology – Agricultural applications – Part 5: Practical data collection to promote the germination of typical vegetable seeds using ultrafine bubbles	07.030; 65.020.20	kolovoz 2024.
ISO/IEC 23264-2	Information security – Redaction of authentic data – Part 2: Redactable signature schemes based on asymmetric mechanisms	35.030	kolovoz 2024.
ISO/PAS 23307	Healthcare organization management – Pandemic response – Guidance for managing infected patients with respiratory infectious disease	11.020.01	kolovoz 2024.
ISO 23500-1	Preparation and quality management of fluids for haemodialysis and related therapies – Part 1: General requirements	11.040.40	kolovoz 2024.
ISO 23611-5	Soil quality – Sampling of soil invertebrates – Part 5: Sampling and extraction of soil macro-invertebrates	13.080.05; 13.080.30	kolovoz 2024.
ISO 23616	Cleaning, inspection and repair of firefighters' personal protective equipment (PPE)	13.340.10	kolovoz 2024.
ISO 23725	Autonomous system and fleet management system interoperability	35.240.99; 73.020	kolovoz 2024.
ISO/TS 23878	Nanotechnologies – Positron annihilation lifetime measurement for nanopore evaluation in materials	7.120	kolovoz 2024.
ISO 24181-1	Rare earth – Determination of non-rare earth impurities in individual rare earth metals and their oxides – ICP-AES – Part 1: Analysis of Al, Ca, Mg, Fe and Si	13.030.30	kolovoz 2024.
ISO 24617-10	Language resource management – Semantic annotation framework (SemAF) – Part 10: Visual information	1.020	kolovoz 2024.
ISO 28401	Light metals and their alloys – Titanium and titanium alloys – Vocabulary	01.040.77; 77.120.50	kolovoz 2024.
ISO 29463-1	High efficiency filters and filter media for removing particles in air – Part 1: Classification, performance, testing and marking	91.140.30	kolovoz 2024.
ISO/IEC 30141	Internet of Things (IoT) – Reference architecture	35.020	kolovoz 2024.
ISO 37153	Smart community infrastructures – Maturity model for assessment and improvement	13.020.20	kolovoz 2024.
ISO 37175	Smart community infrastructures – Operation and maintenance of utility tunnels	13.020.20	kolovoz 2024.
ISO 37176	Smart community infrastructure – Responsiveness assessment and maturity model	13.020.20	kolovoz 2024.
ISO 55011	Asset management – Guidance for the development of public policy to enable asset management	03.100.01	kolovoz 2024.
ISO 80601-2-79	Medical electrical equipment – Part 2-79: Particular requirements for basic safety and essential performance of ventilatory support equipment for ventilatory impairment	11.040.10	kolovoz 2024.
ISO 80601-2-80	Medical electrical equipment – Part 2-80: Particular requirements for basic safety and essential performance of ventilatory support equipment for ventilatory insufficiency	11.040.10	kolovoz 2024.

## Međunarodna normizacija (IEC)

Oznaka norme	Naslov norme	ICS	Datum objave
IEC 60050-815	International Electrotechnical Vocabulary (IEV) – Part 815: Superconductivity	01.040.29; 29.020; 29.050	kolovoz 2024.
IEC/TR 60068-3-82	Environmental testing – Part 3-82: Supporting documentation and guidance – Confirmation of the performance of whisker test method	19.040	kolovoz 2024.
IEC 60079-11 Interpretation Sheet 3	Explosive atmospheres – Part 11: Equipment protection by intrinsic safety "i"; Interpretation Sheet 3	29.260.20	kolovoz 2024.
IEC 60079-14	Explosive atmospheres – Part 14: Electrical installation design, selection and installation of equipment, including initial inspection	29.260.20	kolovoz 2024.
IEC 60269-1	Low-voltage fuses – Part 1: General requirements	29.120.50	kolovoz 2024.
IEC 60269-3	Low-voltage fuses – Part 3: Supplementary requirements for fuses for operation by unskilled persons (fuses mainly for household or similar applications) – Examples of standardized systems of fuses A to F	29.120.50	kolovoz 2024.
IEC 60269-4	Low-voltage fuses – Part 4: Supplementary requirements for fuse-links for the protection of semiconductor devices	29.120.50	kolovoz 2024.
IEC 60300-3-14	Dependability management – Part 3-14: Application guide – Supportability and support	03.100.40; 03.120.01; 29.020; 31.020; 33.020; 35.020	kolovoz 2024.
IEC 60335-2-12	Household and similar electrical appliances – Safety – Part 2-12: Particular requirements for warming plates and similar appliances	13.120; 97.040.20; 97.040.50	kolovoz 2024.
IEC 60335-2-26	Household and similar electrical appliances – Safety – Part 2-26: Particular requirements for clocks	13.120; 39.040.20; 97.040.50	kolovoz 2024.
IEC 60384-8	Fixed capacitors for use in electronic equipment – Part 8: Sectional specification – Fixed capacitors of ceramic dielectric, Class 1	31.060.20	kolovoz 2024.
IEC 60384-9	Fixed capacitors for use in electronic equipment – Part 9: Sectional specification – Fixed capacitors of ceramic dielectric, Class 2	31.060.20	kolovoz 2024.
IEC 60512-28-100	Connectors for electrical and electronic equipment – Tests and measurements – Part 28-100: Signal integrity tests up to 2000 MHz – Tests 28a to 28g	31.220.10	kolovoz 2024.
IEC 60688	Electrical measuring transducers for converting AC and DC electrical quantities to analogue or digital signals	17.220.20	kolovoz 2024.
IEC 61156-15	Multicore and symmetrical pair/quad cables for digital communications – Part 15: Symmetrical pair/quad cables for horizontal floor wiring with transmission characteristics up to 1000 MHz and resistance to fire performance characteristics – Sectional specification	33.120.20	kolovoz 2024.
IEC 61162-460 Corrigendum 1	Maritime navigation and radiocommunication equipment and systems – Digital interfaces – Part 460: Multiple talkers and multiple listeners – Ethernet interconnection – Safety and security; Corrigendum 1	47.020.70	kolovoz 2024.
IEC/TS 61400-26-4	Wind energy generation systems – Part 26-4: Reliability for wind energy generation systems	27.180	kolovoz 2024.
IEC/TS 61508-3-2	Functional safety of electrical/electronic/programmable electronic safety-related systems – Part 3-2: Requirements and guidance in the use of mathematical and logical techniques for establishing exact properties of software and its documentation	25.040.40; 35.080; 35.240.50	kolovoz 2024.
IEC 61558-2-5	Safety of transformers, reactors, power supply units and combinations thereof – Part 2-5: Particular requirements and tests for transformers for shavers, power supply units for shavers and shaver supply units	29.180	kolovoz 2024.
IEC 62047-47	Semiconductor devices – Micro-electromechanical devices – Part 47: Silicon based MEMS fabrication technology – Measurement method of bending strength of microstructures	31.080.01; 31.080.99; 31.220.01	kolovoz 2024.
IEC 62271-100 AMD 1	High-voltage switchgear and controlgear – Part 100: Alternating-current circuit-breakers; Amendment 1	29.130.10	kolovoz 2024.
IEC 62271-100 Edition 3.1	High-voltage switchgear and controlgear – Part 100: Alternating-current circuit-breakers	29.130.10	kolovoz 2024.

Oznaka norme	Naslov norme	ICS	Datum objave
IEC 62382	Control systems in the process industry – Electrical and instrumentation loop check	03.080.99; 25.040.40; 71.120.01	kolovoz 2024.
IEC 62443-2-1	Security for industrial automation and control systems – Part 2-1: Security program requirements for IACS asset owners	25.040.40; 35.030; 35.100.05; 35.240.50	kolovoz 2024.
IEC/TS 62607-2-6	Nanomanufacturing – Key control characteristics – Part 2-6: Carbon nanotube-related products – Thermal diffusivity of vertically- aligned carbon nanotubes: flash method	7.120	kolovoz 2024.
IEC/TS 62607-6-30	Nanomanufacturing – Key control characteristics – Part 6-30: Graphene-based material – Anion concentration: Ion chromatography method	7.120	kolovoz 2024.
IEC/TR 62715-5-61	Flexible displays – Part 5-61: Overview of measurement and application scenarios of stretchable displays	31.120	kolovoz 2024.
IEC 62803-2	Transmitting and receiving equipment for radiocommunication – Frequency response of optical-to-electric conversion device in high-frequency radio-over- fibre systems – Part 2: Measurement method of common-mode rejection ratio of optical coherent detection device for radio-over-fibre transmitter	33.060.20; 33.170	kolovoz 2024.
IEC 62803-3	Transmitting and receiving equipment for radiocommunication – Frequency response of optical-to-electric conversion device in high-frequency radio-over- fibre systems – Part 3: Measurement method of non-linear response of optical-to-electric converter	33.060.20; 33.170	kolovoz 2024.
IEC 62841-3-15	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 3-15: Particular requirements for transportable magnetic drills	25.140.20	kolovoz 2024.
IEC 62899-302-4	Printed electronics – Part 302-4: Equipment – Inkjet – Medium for inkjet printing dot placement evaluation	19.080; 31.180; 37.100.10	kolovoz 2024.
IEC/TS 62915 Corrigendum 1	Photovoltaic (PV) modules – Type approval, design and safety qualification – Retesting; Corrigendum 1	27.160	kolovoz 2024.
IEC 62974-1	Monitoring and measuring systems used for data collection, aggregation and analysis – Part 1: Device requirements	17.220.20	kolovoz 2024.
IEC 63082-2	Intelligent device management – Part 2: Requirements and recommendations	25.040.01; 25.040.40; 35.240.50	kolovoz 2024.
IEC/TR 63167	Assessment of contact current related to human exposure to electric, magnetic and electromagnetic fields	17.220.20; 17.240	kolovoz 2024.
IEC 63241-2-3	Electric motor-operated tools – Dust measurement procedure – Part 2-3: Particular requirements for hand-held concrete grinders and disc-type sanders	25.140.20; 25.140.30	kolovoz 2024.
IEC 63241-2-4	Electric motor-operated tools – Dust measurement procedure – Part 2-4: Particular requirements for hand-held sanders	25.140.20; 25.140.30	kolovoz 2024.
IEC 63272	Nuclear facilities – Electrical power systems – AC interruptible power supply systems	27.120.20	kolovoz 2024.
IEC/TR 63282	LVDC systems – Assessment of standard voltages and power quality requirements	29.020; 29.240.01	kolovoz 2024.
IEC 63303	Human machine interfaces for process automation systems	13.180; 25.040.40; 35.240.50	kolovoz 2024.
IEC 63338	General guidance on reuse and repurposing of secondary cells and batteries	29.220.20; 29.220.30; 29.220.99	kolovoz 2024.
IEC/TS 63428	Guidance on material circulation considerations in environmentally conscious design	13.020.01; 13.020.20; 13.020.30; 29.020; 31.020	kolovoz 2024.
IEC/TR 63519	Aspects and understanding of measurement uncertainty – Background information on measurement uncertainty based on the example of IEC TC 85 (Measuring equipment for electrical and electromagnetic quantities)	17.220.20	kolovoz 2024.
IEC/TR 63540	Lighting systems – Characteristics for selected outdoor applications	29.140.01; 91.160.20; 93.080.40	kolovoz 2024.
IEC/TS 63542	Refrigerant detection systems for flammable refrigerants	13.220.99; 23.120; 91.140.30	kolovoz 2024.
ISO/IEC/IEEE 8802-1Q	Telecommunications and exchange between information technology systems – Requirements for local and metropolitan area networks – Part 1Q: Bridges and bridged networks	35.110	kolovoz 2024.

Oznaka norme	Naslov norme	ICS	Datum objave
ISO/IEC 17839-2	Information technology – Biometric System-on-Card – Part 2: Physical characteristics	35.240.15	kolovoz 2024.
ISO/IEC 18004	Information technology – Automatic identification and data capture techniques – QR code bar code symbology specification	01.080.50; 35.040.50	kolovoz 2024.
ISO/IEC TR 19566-9	Information technology – JPEG Systems – Part 9: JPEG extensions mechanisms to facilitate forwards and backwards compatibility	35.040.30	kolovoz 2024.
ISO/IEC TS 19568	Programming Languages – C++ Extensions for Library Fundamentals	35.060	kolovoz 2024.
ISO/IEC 21122-2	Information technology – JPEG XS low-latency lightweight image coding system – Part 2: Profiles and buffer models	35.040.30	kolovoz 2024.
ISO/IEC 21122-3	Information technology – JPEG XS low-latency lightweight image coding system – Part 3: Transport and container formats	35.040.30	kolovoz 2024.
ISO/IEC 23264-2	Information security – Redaction of authentic data – Part 2: Redactable signature schemes based on asymmetric mechanisms	35.030	kolovoz 2024.
ISO/IEC 30141	Internet of Things (IoT) – Reference architecture	35.020	kolovoz 2024.
ISO 80601-2-79	Medical electrical equipment – Part 2-79: Particular requirements for basic safety and essential performance of ventilatory support equipment for ventilatory impairment	11.040.10	kolovoz 2024.
ISO 80601-2-80	Medical electrical equipment – Part 2-80: Particular requirements for basic safety and essential performance of ventilatory support equipment for ventilatory insufficiency	11.040.10	kolovoz 2024.