

# Hrvatski zavod za norme

## Oglasnik za normativne dokumente

9/2020

30. rujna 2020.

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

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

Izdavač:



HZN

**Hrvatski zavod za norme**  
Croatian Standards Institute

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## 1.1 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 21, *Protupožarna i vatrogasna oprema*

HRN EN 16750:2020 en pr  
Stabilni protupožarni sustavi – Sustavi sa smanjenom koncentracijom kisika – Projektiranje, ugradnja, planiranje i održavanje (EN 16750:2017+A1:2020)  
Fixed firefighting systems – Oxygen reduction systems – Design, installation, planning and maintenance (EN 16750:2017+A1:2020)

HRN EN 17407:2020 en pr  
Prijenosna oprema za stvaranje i nanošenje sredstava za gašenje pomoću vatrogasnih pumpa – Sabirnice i razdjelnice PN16 (EN 17407:2020)  
Portable equipment for projecting extinguishing agents supplied by firefighting pumps – Collecting heads and dividing breechings PN16 (EN 17407:2020)

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

HRN ISO 3103:2020 en pr  
Čaj – Pripremanje napitka za senzorska ispitivanja (ISO 3103:2019)  
Tea – Preparation of liquor for use in sensory tests (ISO 3103:2019)

HRN ISO 3631:2020 en pr  
Agrumi – Upute za skladištenje (ISO 3631:2019)  
Citrus fruits – Guidelines for storage (ISO 3631:2019)

HRN EN ISO 6647-1:2020 en pr  
Riža – Određivanje sadržaja amiloze – 1. dio: Spektrofotometrijska metoda postupkom odmaščivanja metanolom i kalibracijskim otopinama krumpirove amiloze i amilopektina rižine sluzi (ISO 6647-1:2020; EN ISO 6647-1:2020)  
Rice – Determination of amylose content – Part 1: Spectrophotometric method with a defatting procedure by methanol and with calibration solutions of potato amylose and waxy rice amylopectin (ISO 6647-1:2020; EN ISO 6647-1:2020)

HRN EN ISO 6647-2:2020 en pr  
Riža – Određivanje sadržaja amiloze – 2. dio: Spektrofotometrijska rutinska metoda bez postupka odmaščivanja s kalibracijom prema normama za rižu (ISO 6647-2:2020; EN ISO 6647-2:2020)  
Rice – Determination of amylose content – Part 2: Spectrophotometric routine method without defatting procedure and with calibration from rice standards (ISO 6647-2:2020; EN ISO 6647-2:2020)

HRN EN ISO 7540:2020 en pr  
Mirodije i začini – Mljevena slatka i ljuta paprika (*Capsicum annuum* L. i *Capsicum frutescens* L.) – Specifikacije (ISO 7540:2020; EN ISO 7540:2020)  
Spices and condiments – Ground sweet and hot paprika (*Capsicum annuum* L. and *Capsicum frutescens* L.) – Specifications (ISO 7540:2020; EN ISO 7540:2020)

HRN EN ISO 7541:2020 en pr  
Mirodije i začini – Spektrofotometrijsko određivanje ekstrahirane boje u paprici (ISO 7541:2020; EN ISO 7541:2020)  
Spices and condiments – Spectrophotometric determination of the extractable colour in paprika (ISO 7541:2020; EN ISO 7541:2020)

HRN ISO 11050:2020 en pr  
Pšenično brašno i krupica durum-pšenice – Određivanje onečišćenja životinjskog podrijetla (ISO 11050:2020)  
Wheat flour and durum wheat semolina – Determination of impurities of animal origin (ISO 11050:2020)

HRN EN ISO 11136:2017/A1:2020 en pr  
Senzorska analiza – Metodologija – Opće upute za provođenje testova zadovoljstva potrošača u kontroliranim uvjetima (ISO 11136:2014/Amd 1:2020; EN ISO 11136:2017/A1:2020)  
Sensory analysis – Methodology – General guidance for conducting hedonic tests with consumers in a controlled area (ISO 11136:2014/Amd 1:2020; EN ISO 11136:2017/A1:2020)

HRN ISO 13301:2020 en pr  
Senzorske analize – Metodologija – Opće upute za mjerenje praga podražaja mirisa, arome i okusa postupkom 3-AFC (ISO 13301:2018)  
Sensory analysis – Methodology – General guidance for measuring odour, flavour and taste detection thresholds by a three-alternative forced-choice (3-AFC) procedure (ISO 13301:2018)

HRN ISO 16820:2020 en pr  
Senzorske analize – Metodologija – Sekvencijalna analiza (ISO 16820:2019)  
Sensory analysis – Methodology – Sequential analysis (ISO 16820:2019)

### HZN/TO 43, *Akustika*

HRN EN ISO 5135:2020 en pr  
Akustika – Određivanje razina zvučne snage elemenata i uređaja za razdiobu zraka, zaklopki i ventila mjerenjem u odjećnoj ispitnoj prostoriji (ISO 5135:2020; EN ISO 5135:2020)

Acoustics – Determination of sound power levels of noise from air-terminal devices, air-terminal units, dampers and valves by measurement in a reverberation test room (ISO 5135:2020; EN ISO 5135:2020)

HRN EN ISO 16283-2:2020 en pr  
Akustika – Terensko mjerenje zvučne izolacije u zgradama i građevnih dijelova zgrade – 2. dio: Udarna zvučna izolacija (ISO 16283-2:2020; EN ISO 16283-2:2020)  
Acoustics – Field measurement of sound insulation in buildings and of building elements – Part 2: Impact sound insulation (ISO 16283-2:2020; EN ISO 16283-2:2020)

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

HRI CEN ISO/TR 20174:2020 en pr  
Zavarivanje – Sustavi razvrstavanja materijala – Japanski materijali (ISO/TR 20174:2020; CEN ISO/TR 20174:2020)  
Welding – Grouping systems for materials – Japanese materials (ISO/TR 20174:2020; CEN ISO/TR 20174:2020)

HRN EN ISO 24034:2020 en pr  
Dodatni i potrošni materijali za zavarivanje – Elektrode od pune žice, pune žice i šipke za zavarivanje taljenjem titanija i legura titanija – Razredba (ISO 24034:2020; EN ISO 24034:2020)  
Welding consumables – Solid wire electrodes, solid wires and rods for fusion welding of titanium and titanium alloys – Classification (ISO 24034:2020; EN ISO 24034:2020)

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

HRN EN 13215:2020 en pr  
Kondenzacijske jedinice za hlađenje – Uvjeti razvrstavanja, dopuštenog odstupanja i prikaz tvorničkih radnih značajka (EN 13215:2016+A1:2020)  
Condensing units for refrigeration – Rating conditions, tolerances and presentation of manufacturer's performance data (EN 13215:2016+A1:2020)

### HZN/TO 92, *Zaštita od požara*

HRN EN 1366-1:2020 en pr  
Ispitivanja otpornosti na požar servisnih instalacija – 1. dio: Ispitivanja kanali (EN 1366-1:2014+A1:2020)  
Fire resistance tests for service installations – Part 1: Ventilation ducts (EN 1366-1:2014+A1:2020)

### HZN/TO 120, *Koža i obuća*

HRN EN ISO 13365-1:2020 en pr  
Koža – Kemijsko određivanje sadržaja konzervansa (TCMTB, PCMC, OPP, OIT) u koži tekućinskom kromatografijom – 1. dio: Ekstrakcijska metoda acetonirom (ISO 13365-1:2020; EN ISO 13365-1:2020)  
Leather – Chemical determination of the preservative (TCMTB, PCMC, OPP, OIT) content in leather by liquid chromatography – Part 1: Acetonitrile extraction method (ISO 13365-1:2020; EN ISO 13365-1:2020)

HRN EN ISO 13365-2:2020 en pr  
Koža – Kemijsko određivanje sadržaja konzervansa (TCMTB, PCMC, OPP, OIT) u koži tekućinskom kromatografijom – 2. dio: Ekstrakcijska metoda umjetnim znojenjem (ISO 13365-2:2020; EN ISO 13365-2:2020)  
Leather – Chemical determination of the preservative (TCMTB, PCMC, OPP, OIT) content in leather by liquid chromatography – Part 2: Artificial perspiration extraction method (ISO 13365-2:2020; EN ISO 13365-2:2020)

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

HRN EN 1789:2020 en pr  
Medicinska vozila i njihova oprema – Cestovna medicinska vozila (EN 1789:2020)  
Medical vehicles and their equipment – Road ambulances (EN 1789:2020)

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

HRN EN ISO 22232-1:2020 en pr  
Nerazorno ispitivanje – Karakterizacija i provjeravanje opreme za ispitivanje ultrazvukom – 1. dio: Instrumenti (ISO 22232-1:2020; EN ISO 22232-1:2020)  
Non-destructive testing – Characterization and verification of ultrasonic test equipment – Part 1: Instruments (ISO 22232-1:2020; EN ISO 22232-1:2020)

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

HRS CEN/TS 1852-2:2020 en pr  
Plastični cijevni sustavi za netlačnu podzemnu odvodnju i kanalizaciju – Polipropilen (PP) – 2. dio: Upute za ocjenu sukladnosti (CEN/TS 1852-2:2019)  
Plastics piping systems for non-pressure underground drainage and sewerage – Polypropylene (PP) – Part 2: Guidance for the assessment of conformity (CEN/TS 1852-2:2019)

HRN EN ISO 16486-1:2020 en pr  
Plastični cijevni sustavi za opskrbu plinovitim gorivima – Cijevni sustavi od neomekšanog poliamida (PA-U) sa zavarivanjem i mehaničkim spajanjem – 1. dio: Općenito (ISO 16486-1:2020; EN ISO 16486-1:2020)  
Plastics piping systems for the supply of gaseous fuels – Unplasticized polyamide (PA-U) piping systems with fusion jointing and mechanical jointing – Part 1: General (ISO 16486-1:2020; EN ISO 16486-1:2020)

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

HRN EN 17359:2020 en pr  
Emisije iz nepokretnih izvora – Bioaerosoli i biološki agensi – Uzorkovanje bioaerosola i prikupljanje u tekućinama – Impinger metoda (EN 17359:2020)  
Stationary source emissions – Bioaerosols and biological agents – Sampling of bioaerosols and collection in liquids – Impingement method (EN 17359:2020)

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

HRN EN ISO 13161:2020 en pr  
Kvaliteta vode – Polonij-210 – Metoda ispitivanja upotrebom alfa-spektrometrije (ISO 13161:2020; EN ISO 13161:2020)  
Water quality – Polonium 210 – Test method using alpha spectrometry (ISO 13161:2020; EN ISO 13161:2020)

HRN EN 14614:2020 en pr  
Kvaliteta vode – Savjetodavna norma za određivanje hidromorfoloških obilježja rijeka (EN 14614:2020)  
Water quality – Guidance standard for assessing the hydromorphological features of rivers (EN 14614:2020)

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

HRN EN ISO 14050:2020 en pr  
Upravljanje okolišem – Terminološki rječnik (ISO 14050:2020; EN ISO 14050:2020)  
Environmental management – Vocabulary (ISO 14050:2020; EN ISO 14050:2020)

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

HRN EN 1064:2020 en pr  
Zdravstvena informatika – Komunikacijski protokol – Računalno podržana elektrokardiografija (EN 1064:2020)  
Health informatics – Standard communication protocol – Computer-assisted electrocardiography (EN 1064:2020)

### **HZN/TO 217, Kozmetika**

HRN ISO 21322:2020 en pr  
Kozmetika – Mikrobiologija – Ispitivanje impregniranih ili obloženih maramica i maski (ISO 21322:2020)  
Cosmetics – Microbiology – Testing of impregnated or coated wipes and masks (ISO 21322:2020)

### **HZN/TO 218, Drvo**

HRN EN 73:2020 en pr  
Trajnost drva i proizvoda na osnovi drva – Ubrzano starenje tretiranog drva prije biološkog testiranja – Postupak starenja evaporacijom (EN 73:2020)  
Durability of wood and wood-based products – Accelerated ageing of treated wood prior to biological testing – Evaporative ageing procedure (EN 73:2020)

HRN EN 84:2020 en pr  
Trajnost drva i proizvoda na osnovi drva – Ubrzano starenje tretiranog drva prije biološkog testiranja – Postupak ispiranja (EN 84:2020)  
Durability of wood and wood-based products – Accelerated ageing of treated wood prior to biological testing – Leaching procedure (EN 84:2020)

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

HRN EN ISO 6931-1:2020 en pr  
Nehrdajući čelici za opruge – 1. dio: Žica (ISO 6931-1:2016; EN ISO 6931-1:2020)  
Stainless steels for springs – Part 1: Wire (ISO 6931-1:2016; EN ISO 6931-1:2020)

HRN EN ISO 10275:2020 en pr  
Metalni materijali – Lim i traka – Određivanje eksponenta očvrnuća pri statičkom vlačnom ispitivanju (ISO 10275:2020; EN ISO 10275:2020)  
Metallic materials – Sheet and strip – Determination of tensile strain hardening exponent (ISO 10275:2020; EN ISO 10275:2020)

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

HRN EN ISO 11463:2020 en pr  
Korozija metala i legura – Smjernice za vrednovanje jamičaste korozije (ISO 11463:2020; EN ISO 11463:2020)  
Corrosion of metals and alloys – Guidelines for the evaluation of pitting corrosion (ISO 11463:2020; EN ISO 11463:2020)

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

HRN EN ISO 23251:2020 en pr  
Industrija nafte, petrokemije i prirodnog plina – Sustavi za rasterećenje i kompenzaciju tlaka (ISO 23251:2019; EN ISO 23251:2020)  
Petroleum, petrochemical and natural gas industries – Pressure-relieving and depressuring systems (ISO 23251:2019; EN ISO 23251:2020)

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

HRN EN ISO 5167-3:2020 en pr  
Mjerenje protoka fluida u tlačnim cjevovodima kružnoga poprečnog presjeka ugradnjom elemenata na kojima nastaje razlika tlaka – 3. dio: Sapnice i Venturijeve sapnice (ISO 5167-3:2019; EN ISO 5167-3:2020)  
Measurement of fluid flow by means of pressure differential devices inserted in circular cross-section conduits running full – Part 3: Nozzles and Venturi nozzles (ISO 5167-3:2019; EN ISO 5167-3:2020)

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

HRN EN 15722:2020 en pr  
Inteligentni transportni sustavi – Elektronička sigurnost – Najmanji skup podataka za elektroničke hitne pozive iz vozila (EN 15722:2020)  
Intelligent transport systems – ESafety – ECall minimum set of data (EN 15722:2020)

HRN EN 17358:2020 en pr  
Inteligentni transportni sustavi – Elektronička sigurnost – Koncept višestrukih neobaveznih dodatnih skupova podataka (OAD) za elektroničke hitne pozive iz vozila (EN 17358:2020)  
Intelligent transport systems – ESafety – eCall OAD for multiple Optional Additional Datasets (EN 17358:2020)

HRN EN ISO 19299:2020 en pr  
Elektronička naplata – Sigurnosni okvir (ISO 19299:2020;  
EN ISO 19299:2020)  
Electronic fee collection – Security framework (ISO 19299:2020;  
EN ISO 19299:2020)

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

HRN EN 13260:2020 en pr  
Željeznički sustav – Osovinski sklopovi i okretna postolja  
– Osovinski sklopovi – Zahtjevi za proizvod (EN 13260:2020)  
Railway applications – Wheelsets and bogies – Wheelsets  
– Product requirements (EN 13260:2020)

HRN EN 13261:2020 en pr  
Željeznički sustav – Osovinski sklopovi i okretna postolja  
– Kotači – Zahtjevi za proizvod (EN 13261:2020)  
Railway applications – Wheelsets and bogies – Axles  
– Product requirements (EN 13261:2020)

HRN EN 13262:2020 en pr  
Željeznički sustav – Osovinski sklopovi i okretna postolja  
– Zahtjevi za proizvod (EN 13262:2020)  
Railway applications – Wheelsets and bogies – Wheels  
– Product requirements (EN 13262:2020)

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

HRN EN ISO 3949:2020 en pr  
Plastična crijeva i crijevni sklopovi – Tekstilom ojačane vrste  
za hidraulične primjene – Specifikacija (ISO 3949:2020;  
EN ISO 3949:2020)  
Plastics hoses and hose assemblies – Textile-reinforced types  
for hydraulic applications – Specification (ISO 3949:2020;  
EN ISO 3949:2020)

HRN EN ISO 10350-2:2020 en pr  
Plastika – Dobivanje i predstavljanje usporedivih pojedinačnih  
podataka – 2. dio: Plastika ojačana dugim vlaknima  
(ISO 10350-2:2020; EN ISO 10350-2:2020)  
Plastics – Acquisition and presentation of comparable  
single-point data – Part 2: Long-fibre-reinforced plastics  
(ISO 10350-2:2020; EN ISO 10350-2:2020)

HRN EN 12608-1:2020 en pr  
Profilni od neomekšanog poli(vinil-klorida) (PVC-U) za izradu  
prozora i vrata – Razredba, zahtjevi i metode ispitivanja  
– 1. dio: Nezaštićeni PVC-U profilni svijetlih površina  
(EN 12608-1:2016+A1:2020)  
Unplasticized poly(vinyl chloride) (PVC-U) profiles for the  
fabrication of windows and doors – Classification, requirements  
and test methods – Part 1: Non-coated PVC-U profiles with  
light coloured surfaces (EN 12608-1:2016+A1:2020)

HRN EN 13067:2020 en pr  
Zavarivači plastike – Kvalificiranje zavarivača – Plastomerni  
zavareni sklopovi (EN 13067:2020)  
Plastics welding personnel – Qualification of welders  
– Thermoplastics welded assemblies (EN 13067:2020)

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

HRN EN 12046-1:2020 en pr  
Sile otvaranja i zatvaranja – Metoda ispitivanja – 1. dio:  
Prozori (EN 12046-1:2020)  
Operating forces – Test method – Part 1: Windows  
(EN 12046-1:2020)

HRN EN 13115:2020 en pr  
Prozori – Razredba mehaničkih svojstava – Vertikalno  
opterećenje, torzija i sile otvaranja i zatvaranja  
(EN 13115:2020)  
Windows – Classification of mechanical properties – Racking,  
torsion and operating forces (EN 13115:2020)

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

HRN EN ISO 128-2:2020 en pr  
Tehnička dokumentacija proizvoda – Osnovna načela  
prikazivanja – 2. dio: Osnovne konvencije o crtama  
(ISO 128-2:2020; EN ISO 128-2:2020)  
Technical product documentation – General principles  
of representation – Part 2: Basic conventions for lines  
(ISO 128-2:2020; EN ISO 128-2:2020)

### **HZN/TO 543, Poštanske usluge**

HRN EN 13850:2020 en pr  
Poštanske usluge – Kvaliteta usluga – Mjerenje vremena  
prijenosa pojedinačne prioritete pošiljke od prijama do  
uručenja (EN 13850:2020)  
Postal services – Quality of services – Measurement of the  
transit time of end-to-end services for single piece priority mail  
and first class mail (EN 13850:2020)

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

HRN EN 17429:2020 en pr  
Očuvanje kulturne baštine – Nabava konzervatorsko-  
restauratorskih usluga i radova (EN 17429:2020)  
Conservation of cultural heritage – Procurement of  
conservation services and works (EN 17429:2020)

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

HRN EN ISO 19650-3:2020 en pr  
Organizacija i digitalizacija informacija o zgradama  
i inženjerskim građevinama uključujući modeliranje  
informacija o građevinama (BIM) – Upravljanje informacijama  
modeliranjem informacija o građevinama – 3. dio: Operativna  
faza imovine (ISO 19650-3:2020; EN ISO 19650-3:2020)  
Organization and digitization of information about buildings  
and civil engineering works, including building information  
modelling (BIM) – Information management using building  
information modelling – Part 3: Operational phase of the  
assets (ISO 19650-3:2020; EN ISO 19650-3:2020)

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

HRN EN ISO 14155:2020 en pr  
Klinička ispitivanja medicinskih proizvoda za ljude – Dobra  
klinička praksa (ISO 14155:2020; EN ISO 14155:2020)  
Clinical investigation of medical devices for human  
subjects – Good clinical practice (ISO 14155:2020;  
EN ISO 14155:2020)

HRN EN 17141:2020 en pr  
Čisti prostori i odgovarajući kontrolirani okoliš – Kontrola  
bioonečišćenja (EN 17141:2020)  
Cleanrooms and associated controlled environments  
– Biocontamination control (EN 17141:2020)

### **HZN/TO 557, Zaštitna odjeća**

HRN EN ISO 12402-2:2020 en pr  
Osobne plutajuće naprave – 2. dio: Prsluci za  
spašavanje, razina svojstava 275 – Sigurnosni zahtjevi  
(ISO 12402-2:2020; EN ISO 12402-2:2020)  
Personal flotation devices – Part 2: Lifejackets, performance  
level 275 – Safety requirements (ISO 12402-2:2020;  
EN ISO 12402-2:2020)

HRN EN ISO 12402-3:2020 en pr  
Osobne plutajuće naprave – 3. dio: Prsluci za spašavanje,  
razina 150 – Sigurnosni zahtjevi (ISO 12402-3:2020;  
EN ISO 12402-3:2020)  
Personal flotation devices – Part 3: Lifejackets, performance  
level 150 – Safety requirements (ISO 12402-3:2020;  
EN ISO 12402-3:2020)

HRN EN ISO 12402-4:2020 en pr  
Osobne plutajuće naprave – 4. dio: Prsluci za spašavanje,  
svojstva, razina 100 – Sigurnosni zahtjevi (ISO 12402-4:2020;  
EN ISO 12402-4:2020)  
Personal flotation devices – Part 4: Lifejackets, performance  
level 100 – Safety requirements (ISO 12402-4:2020;  
EN ISO 12402-4:2020)

HRN EN ISO 12402-5:2020 en pr  
Osobne plutajuće naprave – 5. dio: Plutajuća pomagala  
(razina 50) – Sigurnosni zahtjevi (ISO 12402-5:2020;  
EN ISO 12402-5:2020)  
Personal flotation devices – Part 5: Buoyancy aids  
(level 50) – Safety requirements (ISO 12402-5:2020;  
EN ISO 12402-5:2020)

HRN EN ISO 12402-6:2020 en pr  
Osobne plutajuće naprave – 6. dio: Posebni prsluci za  
spašavanje i plutajuća pomagala – Sigurnosni zahtjevi  
i dodatne metode ispitivanja (ISO 12402-6:2020;  
EN ISO 12402-6:2020)  
Personal flotation devices – Part 6: Special application lifejackets  
and buoyancy aids – Safety requirements and additional test  
methods (ISO 12402-6:2020; EN ISO 12402-6:2020)



HRN EN ISO 12402-8:2020 en pr  
Osobne plutajuće naprave – 8. dio: Pribor – Sigurnosni zahtjevi i metode ispitivanja (ISO 12402-8:2020; EN ISO 12402-8:2020)  
Personal flotation devices – Part 8: Accessories – Safety requirements and test methods (ISO 12402-8:2020; EN ISO 12402-8:2020)

HRN EN ISO 12402-9:2020 en pr  
Osobne plutajuće naprave – 9. dio: Procjena (ISO 12402-9:2020; EN ISO 12402-9:2020)  
Personal flotation devices – Part 9: Evaluation (ISO 12402-9:2020; EN ISO 12402-9:2020)

HRN EN 17353:2020 en pr  
Zaštitna odjeća – Oprema pojačane vidljivosti za situacije srednjeg rizika – Metode ispitivanja i zahtjevi (EN 17353:2020)  
Protective clothing – Enhanced visibility equipment for medium risk situations – Test methods and requirements (EN 17353:2020)

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

HRN EN ISO 3303-2:2020 en pr  
Tekstil naslojen gumom ili plastikom – Određivanje čvrstoće probijanjem – 2. dio: Hidraulička metoda (ISO 3303-2:2020; EN ISO 3303-2:2020)  
Rubber- or plastics-coated fabrics – Determination of bursting strength – Part 2: Hydraulic method (ISO 3303-2:2020; EN ISO 3303-2:2020)

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

HRN EN 12542:2020 en pr  
Oprema i pribor za UNP – Stabilne, zavarene čelične cilindrične posude pod tlakom, serijski proizvedene, za skladištenje ukapljenog naftnog plina (UNP) volumena do 13 m<sup>3</sup> – Projektiranje i proizvodnja (EN 12542:2020)  
LPG equipment and accessories – Static welded steel cylindrical pressure vessels, serially produced for the storage of Liquefied Petroleum Gas (LPG) having a volume not greater than 13 m<sup>3</sup> – Design and manufacture (EN 12542:2020)

HRN EN ISO 13088:2013/A1:2020 en pr  
Plinske boce – Baterije boca za acetylen – Uvjeti punjenja i pregled pri punjenju (ISO 13088:2011/Amd 1:2020; EN ISO 13088:2012/A1:2020)  
Gas cylinders – Acetylene cylinder bundles – Filling conditions and filling inspection (ISO 13088:2011/Amd 1:2020; EN ISO 13088:2012/A1:2020)

HRN EN 13480-3:2017/A2:2020 en pr  
Metalni industrijski cjevovodi – 3. dio: Projektiranje i proračun (EN 13480-3:2017/A2:2020)  
Metallic industrial piping – Part 3: Design and calculation (EN 13480-3:2017/A2:2020)

HRN EN 13480-3:2017/A3:2020 en pr  
Metalni industrijski cjevovodi – 3. dio: Projektiranje i proračun (EN 13480-3:2017/A3:2020)  
Metallic industrial piping – Part 3: Design and calculation (EN 13480-3:2017/A3:2020)

HRN EN ISO 17871:2020 en pr  
Plinske boce – Brzootvarajući ventili – Specifikacija i ispitivanje tipa (ISO 17871:2020; EN ISO 17871:2020)  
Gas cylinders – Quick-release cylinder valves – Specification and type testing (ISO 17871:2020; EN ISO 17871:2020)

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

HRN EN ISO 16092-2:2020 en pr  
Sigurnost alatnih strojeva – Preše – 2. dio: Sigurnosni zahtjevi za mehaničke preše (ISO 16092-2:2019; EN ISO 16092-2:2020)  
Machine tools safety – Presses – Part 2: Safety requirement for mechanical presses (ISO 16092-2:2019; EN ISO 16092-2:2020)

HRN EN ISO 16092-4:2020 en pr  
Sigurnost alatnih strojeva – Preše – 4. dio: Sigurnosni zahtjevi za pneumatske preše (ISO 16092-4:2019; EN ISO 16092-4:2020)  
Machine tools safety – Presses – Part 4: Safety requirements for pneumatic presses (ISO 16092-4:2019; EN ISO 16092-4:2020)

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

HRN EN 13834:2020 en pr  
Posuđe za kuhanje hrane – Posuđe za pećnice u kućanstvu (EN 13834:2020)  
Cookware – Ovenware for use in traditional domestic ovens (EN 13834:2020)

HRN EN ISO 16140-4:2020 en pr  
Mikrobiologija u lancu hrane – Validacija metode – 4. dio: Protokol za validaciju metoda u jednom laboratoriju (ISO 16140-4:2020; EN ISO 16140-4:2020)  
Microbiology of the food chain – Method validation – Part 4: Protocol for method validation in a single laboratory (ISO 16140-4:2020; EN ISO 16140-4:2020)

HRN EN ISO 16140-5:2020 en pr  
Mikrobiologija u lancu hrane – Validacija metode – 5. dio: Protokol za faktorsku međulaboratorijsku validaciju nezaštićenih metoda (ISO 16140-5:2020; EN ISO 16140-5:2020)  
Microbiology of the food chain – Method validation – Part 5: Protocol for factorial interlaboratory validation of non-proprietary methods (ISO 16140-5:2020; EN ISO 16140-5:2020)

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

HRN EN 14960-3:2020 en pr  
Oprema za igru na napuhavanje – 3. dio: Dodatni sigurnosni zahtjevi i metode ispitivanja za aktivne napuhane tobogane (EN 14960-3:2020)  
Inflatable play equipment – Part 3: Additional safety requirements and test methods for snappies (EN 14960-3:2020)

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

HRN EN 17322:2020 en pr  
Kruće sastavnice okoliša – Određivanje polikloriranih bifenila (PCB) plinskom kromatografijom-detekcijom pomoću spektrometrije masa (GC-MS) ili detekcijom pomoću zahvata elektrona (GC-ECD) (EN 17322:2020)  
Environmental Solid Matrices – Determination of polychlorinated biphenyls (PCB) by gas chromatography-mass selective detection (GC-MS) or electron-capture detection (GC-ECD) (EN 17322:2020)

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

HRN EN 50367:2020 en pr  
Željeznički sustav – Stabilna postrojenja i željeznička vozila – Kriteriji za omogućavanje tehničke kompatibilnosti između pantografa i gornjeg voda (EN 50367:2020)  
Railway applications – Fixed installations and rolling stock – Criteria to achieve technical compatibility between pantographs and overhead contact line (EN 50367:2020)

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

HRN EN IEC 60296:2020 en pr  
Tekućine za primjenu u elektrotehnici – Mineralna izolacijska ulja za električnu opremu (IEC 60296:2020; EN IEC 60296:2020)  
Fluids for electrotechnical applications – Mineral insulating oils for electrical equipment (IEC 60296:2020; EN IEC 60296:2020)

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

HRN EN IEC 63180:2020 en pr  
Metode mjerenja i deklaracije opsega osjetljivosti detektora – Pasivni infracrveni detektori za otkrivanje većeg i manjeg kretanja (IEC 63180:2020; EN IEC 63180:2020)  
Methods of measurement and declaration of the detection range of detectors – Passive infrared detectors for major and minor motion detection (IEC 63180:2020; EN IEC 63180:2020)

## HZN/TO E45, Nuklearna instrumentacija

HRN EN IEC 62859:2020 en pr  
Nuklearne elektrane – Instrumentacija i kontrolni sustavi – Zahtjevi za koordiniranje sigurnosti i kibernetičke sigurnosti (IEC 62859:2016+am1:2019; EN IEC 62859:2020)  
Nuclear power plants – Instrumentation and control systems – Requirements for coordinating safety and cybersecurity (IEC 62859:2016+am1:2019; EN IEC 62859:2020)

## HZN/TO E55, Žice za namote

HRN EN IEC 60317-0-2:2020 en pr  
Specifikacije pojedinih vrsta žica za namote – Dio 0-2: Opći zahtjevi – Profilna bakrena lakirana žica (IEC 60317-0-2:2020; EN IEC 60317-0-2:2020)  
Specifications for particular types of winding wires – Part 0-2: General requirements – Enamelled rectangular copper wire (IEC 60317-0-2:2020; EN IEC 60317-0-2:2020)

HRN EN IEC 60317-12:2020 en pr  
Specifikacije pojedinih vrsta žica za namote – 12. dio: Okrugla bakrena žica lakirana polivinil acetalom, razreda 120 (IEC 60317-12:2020; EN IEC 60317-12:2020)  
Specifications for particular types of winding wires – Part 12: Polyvinyl acetal enamelled round copper wire, class 120 (IEC 60317-12:2020; EN IEC 60317-12:2020)

HRN EN IEC 60317-17:2020 en pr  
Specifikacije pojedinih vrsta žica za namote – 17. dio: Profilna bakrena žica lakirana polivinil acetalom, razreda 105 (IEC 60317-17:2020; EN IEC 60317-17:2020)  
Specifications for particular types of winding wires – Part 17: Polyvinyl acetal enamelled rectangular copper wire, class 105 (IEC 60317-17:2020; EN IEC 60317-17:2020)

HRN EN IEC 60317-18:2020 en pr  
Specifikacije pojedinih vrsta žica za namote – 18. dio: Profilna bakrena žica lakirana polivinil acetalom, razreda 120 (IEC 60317-18:2020; EN IEC 60317-18:2020)  
Specifications for particular types of winding wires – Part 18: Polyvinyl acetal enamelled rectangular copper wire, class 120 (IEC 60317-18:2020; EN IEC 60317-18:2020)

HRN EN IEC 60317-25:2020 en pr  
Specifikacije pojedinih vrsta žica za namote – 25. dio: Okrugla aluminijska žica lakirana poliesterom ili poliesterimidom, završno lakirana poliamid-imidom, razreda 200 (IEC 60317-25:2020; EN IEC 60317-25:2020)  
Specifications for particular types of winding wires – Part 25: Polyester or polyesterimide overcoated with polyamide-imide enamelled round aluminium wire, class 200 (IEC 60317-25:2020; EN IEC 60317-25:2020)

HRN EN IEC 60317-27-1:2020 en pr  
Specifikacije pojedinih vrsta žica za namote – Dio 27-1: Okrugla bakrena žica prekrivena papirnom trakom (IEC 60317-27-1:2020; EN IEC 60317-27-1:2020)  
Specifications for particular types of winding wires – Part 27-1: Paper tape covered round copper wire (IEC 60317-27-1:2020; EN IEC 60317-27-1:2020)

HRN EN IEC 60317-27-2:2020 en pr  
Specifikacije pojedinih vrsta žica za namote – Dio 27-2: Okrugla aluminijska žica prekrivena papirnom trakom (IEC 60317-27-2:2020; EN IEC 60317-27-2:2020)  
Specifications for particular types of winding wires – Part 27-2: Paper tape covered round aluminium wire (IEC 60317-27-2:2020; EN IEC 60317-27-2:2020)

HRN EN IEC 60317-27-4:2020 en pr  
Specifikacije pojedinih vrsta žica za namote – Dio 27-4: Profilna aluminijska žica prekrivena papirnom trakom (IEC 60317-27-4:2020; EN IEC 60317-27-4:2020)  
Specifications for particular types of winding wires – Part 27-4: Paper tape covered rectangular aluminium wire (IEC 60317-27-4:2020; EN IEC 60317-27-4:2020)

HRN EN IEC 60317-60-2:2020 en pr  
Specifikacije pojedinih vrsta žica za namote – Dio 60-2: Nelakirana ili lakirana profilna bakrena žica, omotana staklenim, poliesterom povezanim vlaknima, impregnirana smolom ili lakom, indeksa temperature 155 (IEC 60317-60-2:2020; EN IEC 60317-60-2:2020)  
Specifications for particular types of winding wires – Part 60-2: Polyester glass-fibre wound, resin or varnish impregnated, bare or enamelled rectangular copper wire, temperature index 155 (IEC 60317-60-2:2020; EN IEC 60317-60-2:2020)

HRN EN IEC 60317-62:2020 en pr  
Specifikacije pojedinih vrsta žica za namote – Dio 62: Nelakirana ili lakirana profilna bakrena žica, omotana staklenim, poliesterom povezanim vlaknima, impregnirana silikonskom smolom ili lakom, indeksa temperature 200 (IEC 60317-62:2020; EN IEC 60317-62:2020)  
Specifications for particular types of winding wires – Part 62: Polyester glass-fibre wound, silicone resin or varnish impregnated, bare or enamelled rectangular copper wire, temperature index 200 (IEC 60317-62:2020; EN IEC 60317-62:2020)

HRN EN IEC 60317-70-1:2020 en pr  
Specifikacije pojedinih vrsta žica za namote – Dio 70-1: Nelakirana ili lakirana okrugla bakrena žica, omotana staklenim, poliesterom povezanim vlaknima, bez lakiranja, indeksa temperature 155 (IEC 60317-70-1:2020; EN IEC 60317-70-1:2020)  
Specifications for particular types of winding wires – Part 70-1: Polyester glass-fibre wound unvarnished and fused, bare or enamelled round copper wire, temperature index 155 (IEC 60317-70-1:2020; EN IEC 60317-70-1:2020)

HRN EN IEC 60317-70-2:2020 en pr  
Specifikacije pojedinih vrsta žica za namote – Dio 70-2: Nelakirana ili lakirana okrugla bakrena žica, omotana staklenim, poliesterom povezanim vlaknima, impregnirana smolom/lakom, indeksa temperature 155 (IEC 60317-70-2:2020; EN IEC 60317-70-2:2020)  
Specifications for particular types of winding wires – Part 70-2: Polyester glass-fibre wound resin/varnish impregnated, bare or enamelled round copper wire, temperature index 155 (IEC 60317-70-2:2020; EN IEC 60317-70-2:2020)

HRN EN IEC 60317-82:2020 en pr  
Specifikacije pojedinih vrsta žica za namote – 82. dio: Profilna bakrena žica lakirana poliesterimidom, razreda 200 (IEC 60317-82:2020; EN IEC 60317-82:2020)  
Specifications for particular types of winding wires – Part 82: Polyesterimide enamelled rectangular copper wire, class 200 (IEC 60317-82:2020; EN IEC 60317-82:2020)

HRN EN 60851-2:2013/A2:2020 en pr  
Žice za namote – Metode ispitivanja – 2. dio: Određivanje dimenzija (IEC 60851-2:2009/A2:2019; EN 60851-2:2009/A2:2019)  
Winding wires – Test methods – Part 2: Determination of dimensions (IEC 60851-2:2009/A2:2019; EN 60851-2:2009/A2:2019)

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

HRN EN 60335-2-24:2011/A11:2020 en pr  
Kućanski i slični električni aparati – Sigurnost – Dio 2-24: Posebni zahtjevi za hladnjake, ledenice, sladoledarice i ledarice (EN 60335-2-24:2010/A11:2020)  
Household and similar electrical appliances – Safety – Part 2-24: Particular requirements for refrigerating appliances, ice-cream appliances and ice makers (EN 60335-2-24:2010/A11:2020)

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

HRN EN IEC 61804-3:2020 en pr  
Uređaji i integracija u poslovne sustave – Funkcijski blokovi (FB) za vođenje procesa i jezik za opis elektroničkih uređaja (EDDL) – 3. dio: Sintaksa i semantika jezika za opis elektroničkih uređaja (EDDL) (IEC 61804-3:2020; EN IEC 61804-3:2020)  
Devices and integration in enterprise systems – Function blocks (FB) for process control and electronic device description language (EDDL) – Part 3: EDDL syntax and semantics (IEC 61804-3:2020; EN IEC 61804-3:2020)

HRN EN IEC 61804-4:2020 en pr  
Uređaji i integracija u poslovne sustave – Funkcijski blokovi (FB) za vođenje procesa i jezik za opis elektroničkih uređaja (EDDL) – 4. dio: Tumačenje opisa elektroničkih uređaja (EDDL) (IEC 61804-4:2020; EN IEC 61804-4:2020)  
Devices and integration in enterprise systems – Function blocks (FB) for process control and electronic device description language (EDDL) – Part 4: EDD interpretation (IEC 61804-4:2020; EN IEC 61804-4:2020)

HRN EN IEC 61804-5:2020 en pr  
Uređaji i integracija u poslovne sustave – Funkcijski blokovi (FB) za vođenje procesa i jezik za opis elektroničkih uređaja (EDDL) – 5. dio: Ugrađena biblioteka jezika za opis elektroničkih uređaja (EDDL) (IEC 61804-5:2020; EN IEC 61804-5:2020)  
Devices and integration in enterprise systems – Function blocks (FB) for process control and electronic device description language (EDDL) – Part 5: EDDL Built-in library (IEC 61804-5:2020; EN IEC 61804-5:2020)

HRN EN IEC 62443-3-2:2020 en pr  
Sigurnost u sustavima industrijske automatizacije i upravljanja – Dio 3-2: Procjena sigurnosnih rizika u projektiranju sustava (IEC 62443-3-2:2020; EN IEC 62443-3-2:2020)  
Security for industrial automation and control systems – Part 3-2: Security risk assessment for system design (IEC 62443-3-2:2020; EN IEC 62443-3-2:2020)

HRN EN IEC 62541-3:2020 en pr  
OPC objedinjena arhitektura – 3. dio: Model adresnog prostora (IEC 62541-3:2020; EN IEC 62541-3:2020)  
OPC unified architecture – Part 3: Address Space Model (IEC 62541-3:2020; EN IEC 62541-3:2020)

HRN EN IEC 62541-6:2020 en pr  
OPC objedinjena arhitektura – 6. dio: Preslikavanja (IEC 62541-6:2020; EN IEC 62541-6:2020)  
OPC unified architecture – Part 6: Mappings (IEC 62541-6:2020; EN IEC 62541-6:2020)

HRN EN IEC 62541-10:2020 en pr  
OPC objedinjena arhitektura – 10. dio: Programi (IEC 62541-10:2020; EN IEC 62541-10:2020)  
OPC Unified Architecture – Part 10: Programs (IEC 62541-10:2020; EN IEC 62541-10:2020)

HRN EN IEC 62541-11:2020 en pr  
OPC objedinjena arhitektura – 11. dio: Pristup povijesnim podacima (IEC 62541-11:2020; EN IEC 62541-11:2020)  
OPC Unified Architecture – Part 11: Historical Access (IEC 62541-11:2020; EN IEC 62541-11:2020)

HRN EN IEC 62541-14:2020 en pr  
OPC objedinjena arhitektura – 14. dio: Pub/Sub (IEC 62541-14:2020; EN IEC 62541-14:2020)  
OPC unified architecture – Part 14: PubSub (IEC 62541-14:2020; EN IEC 62541-14:2020)

HRN EN IEC 62714-4:2020 en pr  
Format razmjene tehničkih podataka za uporabu u upravljanju industrijskim automatizacijskim sustavima – Viši jezik automatizacije (AutomationML) – 4. dio: Logika (IEC 62714-4:2020; EN IEC 62714-4:2020)  
Engineering data exchange format for use in industrial automation systems engineering – Automation markup language – Part 4: Logic (IEC 62714-4:2020; EN IEC 62714-4:2020)

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

HRN EN IEC 63034:2020 en pr  
Mikrozvučnici (IEC 63034:2020; EN IEC 63034:2020)  
Microspeakers (IEC 63034:2020; EN IEC 63034:2020)

HRN EN IEC 63181-2:2020 en pr  
Terminali za višestruke LCD zaslone – 2. dio: Metode mjerenja (IEC 63181-2:2020; EN IEC 63181-2:2020)  
LCD multi-screen display terminals – Part 2: Measuring methods (IEC 63181-2:2020; EN IEC 63181-2:2020)

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

HRN EN IEC 60263:2020 en pr  
Razmjeri i veličine za crtanje frekvencijskih karakteristika i polarnih dijagrama (IEC 60263:2020; EN IEC 60263:2020)  
Scales and sizes for plotting frequency characteristics and polar diagrams (IEC 60263:2020; EN IEC 60263:2020)

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

HRN EN 50600-4-6:2020 en pr  
Informacijska tehnologija – Sredstva i infrastrukture podatkovnih centara – Dio 4-6: Faktor ponovne uporabe energije (EN 50600-4-6:2020)  
Information technology – Data centre facilities and infrastructures – Part 4-6: Energy Reuse Factor (EN 50600-4-6:2020)

HRI CLC/TR 50600-99-1:2020 en pr  
Informacijska tehnologija – Sredstva i infrastrukture podatkovnih centara – Dio 99-1: Preporučene prakse upravljanja energijom (CLC/TR 50600-99-1:2020)  
Information technology – Data centre facilities and infrastructures – Part 99-1: Recommended practices for energy management (CLC/TR 50600-99-1:2020)

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

HRN EN 301 545-2 V1.3.1:2020 en pr  
Digitalna videodifuzija (DVB) – Druga generacija DVB interaktivnog satelitskog sustava (DVB-RCS2) – 2. dio: Niži slojevi za satelitsku normu (EN 301 545-2 V1.3.1:2020)  
Digital Video Broadcasting (DVB) – Second Generation DVB Interactive Satellite System (DVB-RCS2) – Part 2: Lower Layers for Satellite standard (EN 301 545-2 V1.3.1:2020)

HRN EN 302 208 V3.3.1:2020 en pr  
Radiofrekvencijska oprema za identifikaciju koja radi u pojasu od 865 MHz do 868 MHz s razinom snage do 2 W i u pojasu od 915 MHz do 921 MHz s razinom snage do 4 W – Harmonizirana norma za pristup radijskom spektru (EN 302 208 V3.3.1:2020)  
Radio Frequency Identification Equipment operating in the band 865 MHz to 868 MHz with power levels up to 2 W and in the band 915 MHz to 921 MHz with power levels up to 4 W – Harmonised Standard for access to radio spectrum (EN 302 208 V3.3.1:2020)

HRN EN 302 307-2 V1.2.1:2020 en pr  
Digitalna radijska videodifuzija (DVB) – Druga generacija strukture okvira, kodiranje kanala i modulacijski sustavi za radiodifuziju, interaktivne usluge, prikupljanje novosti i druge širokopojasne satelitske primjene – 2. dio: DVB-S2 Proširenja (DVB-S2X) (EN 302 307-2 V1.2.1:2020)  
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 V1.2.1:2020)

HRN EN 303 648 V1.1.2:2020 en pr  
Rekonfigurabilni radijski sustavi (RRS) – Rekonfiguracijska arhitektura radijske opreme (RE) (EN 303 648 V1.1.2:2020)  
Reconfigurable Radio Systems (RRS) – Radio Equipment (RE) reconfiguration architecture (EN 303 648 V1.1.2:2020)

HRN EN 319 412-2 V2.2.1:2020 en pr  
Elektronički potpisi i infrastrukture (ESI) – Profili certifikata – 2. dio: Profil certifikata za certifikate koji se izdaju fizičkim osobama (EN 319 412-2 V2.2.1:2020)  
Electronic Signatures and Infrastructures (ESI) – Certificate Profiles – Part 2: Certificate profile for certificates issued to natural persons (EN 319 412-2 V2.2.1:2020)

HRN EN 319 412-3 V1.2.1:2020 en pr  
Elektronički potpisi i infrastrukture (ESI) – Profili certifikata – 3. dio: Profil certifikata za certifikate koji se izdaju pravnim osobama (EN 319 412-3 V1.2.1:2020)  
Electronic Signatures and Infrastructures (ESI) – Certificate Profiles – Part 3: Certificate profile for certificates issued to legal persons (EN 319 412-3 V1.2.1:2020)

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

HRN EN 17173:2020 en pr  
Europski pojmovnik kemijskih, bioloških, radioloških i nuklearnih rizika te rizika od eksplozije (CBRNE) (EN 17173:2020)  
European CBRNE glossary (EN 17173:2020)

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

HRN EN ISO 4625-1:2020 en pr  
Veziva za boje i lakove – Određivanje točke razmekšanja – 1. dio: Metoda prstena i kuglice (ISO 4625-1:2020; EN ISO 4625-1:2020)  
Binders for paints and varnishes – Determination of softening point – Part 1: Ring-and-ball method (ISO 4625-1:2020; EN ISO 4625-1:2020)

HRN EN ISO 4629-3:2020 en pr  
Veziva za boje i lakove – Određivanje hidroksilnog broja – 3. dio: Brzi test (ISO 4629-3:2018; EN ISO 4629-3:2020)  
Binders for paints and varnishes – Determination of hydroxyl value – Part 3: Rapid test (ISO 4629-3:2018; EN ISO 4629-3:2020)



HRN EN ISO 8502-9:2020 en pr  
Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Ispitivanja za procjenu čistoće površine – 9. dio: Terenska metoda konduktometrijskog određivanja soli topljivih u vodi (ISO 8502-9:2020; EN ISO 8502-9:2020)  
Preparation of steel substrates before application of paints and related products – Tests for the assessment of surface cleanliness – Part 9: Field method for the conductometric determination of water-soluble salts (ISO 8502-9:2020; EN ISO 8502-9:2020)

HRN EN 17408:2020 en pr  
Određivanje sposobnosti tečenja i ponašanja pri nanošenju viskoelastičnih adheziva oscilarnom reometrijom (EN 17408:2020)  
Determination of the flowability and application behaviour of viscoelastic adhesives using the oscillatory rheometry (EN 17408:2020)

## **HZN/TU I1, Strojstvo 1**

HRN EN 16486:2020 en pr  
Strojevi za zbijanje otpada ili recikliranih frakcija – Zbijači – Sigurnosni zahtjevi (EN 16486:2014+A1:2020)  
Machines for compacting waste materials or recyclable fractions – Compactors – Safety requirements (EN 16486:2014+A1:2020)

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

HRN EN 12514:2020 en pr  
Elementi sustava opskrbe potrošnih jedinica tekućim gorivima (EN 12514:2020)  
Components for supply systems for consuming units with liquid fuels (EN 12514:2020)

HRN EN ISO 19014-4:2020 en pr  
Strojevi za zemljane radove – Funkcionalna sigurnost – 4. dio: Projektiranje i ocjena softvera i prijenosa signala sigurnosnih dijelova upravljačkog sustava (ISO 19014-4:2020; EN ISO 19014-4:2020)  
Earth-moving machinery – Functional safety – Part 4: Design and evaluation of software and data transmission for safety-related parts of the control system (ISO 19014-4:2020; EN ISO 19014-4:2020)

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

HRN EN ISO 16202-1:2020 en pr  
Stomatologija – Nomenklatura oralnih anomalija – 1. dio: Sustav kodova za prikaz oralnih anomalija (ISO 16202-1:2019; EN ISO 16202-1:2020)  
Dentistry – Nomenclature of oral anomalies – Part 1: Code for the representation of oral anomalies (ISO 16202-1:2019; EN ISO 16202-1:2020)

HRN EN ISO 16202-2:2020 en pr  
Stomatologija – Nomenklatura oralnih anomalija – 2. dio: Razvojne anomalije zubi (ISO 16202-2:2019; EN ISO 16202-2:2020)  
Dentistry – Nomenclature of oral anomalies – Part 2: Developmental anomalies of teeth (ISO 16202-2:2019; EN ISO 16202-2:2020)

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

HRN EN 16307-1:2020 en pr  
Industrijska vozila – Sigurnosni zahtjevi i verifikacija – 1. dio: Dopunski zahtjevi za industrijska vozila s vlastitim pogonom osim vozila bez vozača, vozila promjenjivog dohvata i vozila za prijevoz tereta (EN 16307-1:2020)  
Industrial trucks – Safety requirements and verification – Part 1: Supplementary requirements for self-propelled industrial trucks, other than driverless trucks, variable-reach trucks and burden-carrier trucks (EN 16307-1:2020)

HRN EN 16602-60-14:2020 en pr  
Osiguravanje kvalitete proizvoda za upotrebu u svemiru – Postupak obnove – EEE dijelovi (EN 16602-60-14:2020)  
Space product assurance – Relifing procedure – EEE components (EN 16602-60-14:2020)

HRN EN 16603-20-06:2020 en pr  
Svemirsko inženjerstvo – Električna punjenja i pražnjenja svemirskih letjelica (EN 16603-20-06:2020)  
Space engineering – Spacecraft charging (EN 16603-20-06:2020)

HRN EN 16603-20:2020 en pr  
Svemirsko inženjerstvo – Elektrotehnika i elektronika (EN 16603-20:2020)  
Space engineering – Electrical and electronic (EN 16603-20:2020)

HRN EN 16603-60-20:2020 en pr  
Svemirsko inženjerstvo – Nazivlje i tehničke značajke senzora za zvijezde (EN 16603-60-20:2020)  
Space engineering – Star sensor terminology and performance specification (EN 16603-60-20:2020)

HRN EN 16842-10:2020 en pr  
Industrijska vozila na motorni pogon – Vidljivost – Metoda ispitivanja za verifikaciju – 10. dio: Traktori za vuču i guranje i vozila za prijevoz tereta (EN 16842-10:2020)  
Powered industrial trucks – Visibility – Test methods and verification – Part 10: Towing and Pushing tractors and Burden carrier (EN 16842-10:2020)

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

HRN EN IEC 60068-3-7:2020 en pr  
Ispitivanje utjecaja okoliša – Dio 3-7: Popratna dokumentacija i upute – Mjerenja u temperaturnim komorama za A (hladna) i B (topla suha) ispitivanja (s opterećenjem) (IEC 60068-3-7:2020; EN IEC 60068-3-7:2020)  
Environmental testing – Part 3-7: Supporting documentation and guidance – Measurements in temperature chambers for tests A (Cold) and B (Dry heat) (with load) (IEC 60068-3-7:2020; EN IEC 60068-3-7:2020)

HRN EN IEC 62656-8:2020 en pr  
Registar normiranih ontologija proizvoda i prijenos pomoću podatkovnih paketa – 8. dio: Sučelje internetskih servisa za podatkovne pakete (IEC 62656-8:2020; EN IEC 62656-8:2020)  
Standardized product ontology register and transfer by data parcels – Part 8: Web service interface for data parcels (IEC 62656-8:2020; EN IEC 62656-8:2020)

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

HRN EN IEC 60749-41:2020 en pr  
Poluvodičke komponente – Metode za mehanička i klimatska ispitivanja – 41. dio: Standardne metode ispitivanja pouzdanosti postojećih memorijskih naprava (IEC 60749-41:2020; EN IEC 60749-41:2020)  
Semiconductor devices – Mechanical and climatic test methods – Part 41: Standard reliability testing methods of non-volatile memory devices (IEC 60749-41:2020; EN IEC 60749-41:2020)

HRN EN IEC 60794-1-215:2020 en pr  
Svjetlovodni kabeli – Dio 1-215: Generička specifikacija – Osnovni postupci ispitivanja svjetlovodnih kabela – Metode ispitivanja utjecaja na okoliš – Ispitivanje vanjskog smrzavanja kabela, metoda F15 (IEC 60794-1-215:2020; EN IEC 60794-1-215:2020)  
Optical fibre cables – Part 1-215: Generic specification – Basic optical cable test procedures – Environmental test methods – Cable external freezing test, Method F15 (IEC 60794-1-215:2020; EN IEC 60794-1-215:2020)

HRN EN IEC 61007:2020 en pr  
Transformatori i induktori za upotrebu u elektroničkoj i telekomunikacijskoj opremi – Metode mjerenja i postupci ispitivanja (IEC 61007:2020; EN IEC 61007:2020)  
Transformers and inductors for use in electronic and telecommunication equipment – Measuring methods and test procedures (IEC 61007:2020; EN IEC 61007:2020)

HRN EN IEC 61753-1:2018/A1:2020 en pr  
Svjetlovodni uređaji za međusobno spajanje i pasivne komponente – Izvedbene norme – 1. dio: Općenito i upute (IEC 61753-1:2018/am1:2020; EN IEC 61753-1:2018/A1:2020)  
Fibre optic interconnecting devices and passive components – Performance standard – Part 1: General and guidance (IEC 61753-1:2018/am1:2020; EN IEC 61753-1:2018/A1:2020)

HRN EN IEC 62435-8:2020 en pr  
Elektroničke komponente – Dugoročno skladištenje elektroničkih poluvodičkih uređaja – 8. dio: Pasivni elektronički uređaji (IEC 62435-8:2020; EN IEC 62435-8:2020)  
Electronic components – Long-term storage of electronic semiconductor devices – Part 8: Passive electronic devices (IEC 62435-8:2020; EN IEC 62435-8:2020)

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

HRN EN 50193-1:2016/A1:2020 en pr  
Električne protočne grijalice vode – Metode za mjerenje značajki – 1. dio: Opći zahtjevi (EN 50193-1:2016/A1:2020)  
Electric instantaneous water heaters – Methods for measuring the Performance – Part 1: General requirements (EN 50193-1:2016/A1:2020)

HRN EN 50193-2-1:2016/A1:2020 en pr  
Električne protočne grijalice vode – Dio 2-1: Metode za mjerenje radnog učinka – Protočne grijalice vode s više funkcija (EN 50193-2-1:2016/A1:2020)  
Electric instantaneous water heaters – Part 2-1: Methods for measuring the performance – Multifunctional electric instantaneous water heaters (EN 50193-2-1:2016/A1:2020)

HRN EN 50193-2-2:2017/A1:2020 en pr  
Električne protočne grijalice vode – Dio 2-2: Izvedbeni zahtjevi – Električni protočni tuševi s jednim izljevnom mjestom – Učinkovitost (EN 50193-2-2:2017/A1:2020)  
Electric instantaneous water heaters – Part 2-2: Performance requirements – Single point of use electric instantaneous showers – Efficiency (EN 50193-2-2:2017/A1:2020)

HRN EN 50440:2016/A1:2020 en pr  
Učinkovitost kućanskih električnih akumulacijskih grijača vode i metode ispitivanja (EN 50440:2015/A1:2020)  
Efficiency of domestic electrical storage water heaters and testing methods (EN 50440:2015/A1:2020)

HRN EN IEC 62885-4:2020 en pr  
Uređaji za čišćenje površina – 4. dio: Bežični suhi usisavači za kućnu i sličnu primjenu – Metode za mjerenje radnih značajki (IEC 62885-4:2020; EN IEC 62885-4:2020)  
Surface cleaning appliances – Part 4: Cordless dry vacuum cleaners for household or similar use – Methods for measuring the performance (IEC 62885-4:2020; EN IEC 62885-4:2020)

HRN EN IEC 63067:2020 en pr  
Električne instalacije za osvjetljavanje i označavanje uzletišta – Uređaji za spajanje – Opći zahtjevi i ispitivanja (IEC 63067:2020; EN IEC 63067:2020)  
Electrical installations for lighting and beaconing of aerodromes – Connecting devices – General requirements and tests (IEC 63067:2020; EN IEC 63067:2020)

## 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).

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

## HZN/TO 573, *Elektronički račun*

nHRN EN 16931-1 hr,en pp  
Elektronički račun – 1. dio: Semantički model podataka osnovnih elemenata elektroničkog računa (EN 16931-1:2017+A1:2019)  
Electronic invoicing – Part 1: Semantic data model of the core elements of an electronic invoice (EN 16931-1:2017+A1:2019)

## 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 44, *Zavarivanje i srodni postupci*

prEN ISO 5829 en  
Resistance spot welding – Electrode adaptors female taper 1:10 (ISO 5829:1984)  
Točkasto elektrootporno zavarivanje – Prihvatnici za elektrode, ženski konus 1:10 (ISO 5829:1984)

prEN ISO 5830 en  
Resistance spot welding – Male electrode caps (ISO 5830:1984)  
Točkasto elektrootporno zavarivanje – Muške kapice elektroda (ISO 5830:1984)

prEN ISO 7285 en  
Pneumatic cylinders for mechanized multiple spot welding (ISO 7285:1995)  
Pneumatski cilindri za mehanizirano višestruko točkasto zavarivanje (ISO 7285:1995)

prEN ISO 10656 en  
Resistance welding Equipment – Transformers – Integrated transformers for welding guns (ISO 10656:2016)  
Oprema za elektrootporno zavarivanje – Transformatori – Integrirani transformatori za pištolje za zavarivanje (ISO 10656:2016)

prEN ISO 14922 en  
Thermal spraying – Quality requirements for manufacturers of thermal sprayed coatings – Quality assurance system (ISO/DIS 14922:2020)  
Toplinsko naštrecavanje – Zahtjevi kvalitete za proizvođača toplinsko naštrecanih prevlaka – Sustav osiguranja kvalitete (ISO/DIS 14922:2020)

prEN ISO 15616-4 en  
Acceptance tests for CO<sub>2</sub>-laser beam machines for high quality welding and cutting – Part 4: Machines with 2-D moving optics (ISO 15616-4:2008)  
Ispitivanje prihvatljivosti CO<sub>2</sub> lasera za visokokvalitetno zavarivanje i rezanje – 4. dio: Strojevi s 2-D pokretnom optikom (ISO 15616-4:2008)

prEN ISO 18785-1 en  
Friction stir spot welding – Aluminium – Part 1: Vocabulary (ISO 18785-1:2018)  
Točkasto zavarivanje trenjem uz miješanje – Aluminij – 1. dio: Terminološki rječnik (ISO 18785-1:2018)

prEN ISO 18785-2 en  
Friction stir spot welding – Aluminium – Part 2 – Design of weld joints (ISO 18785-2:2018)  
Točkasto zavarivanje trenjem uz miješanje – Aluminij – 2. dio: Oblikovanje zavarenih spojeva (ISO 18785-2:2018)

prEN ISO 18785-3 en  
Friction stir spot welding – Aluminium – Part 3: Qualification of welding personnel (ISO 18785-3:2018)  
Točkasto zavarivanje trenjem uz miješanje – Aluminij – 3. dio: Osposobljenost zavarivačkog osoblja (ISO 18785-3:2018)

prEN ISO 18785-4 en  
Friction stir spot welding – Aluminium – Part 4: Specification and qualification of welding procedures (ISO 18785-4:2018)  
Točkasto zavarivanje trenjem uz miješanje – Aluminij – 4. dio: Specifikacija i kvalifikacija postupaka zavarivanja (ISO 18785-4:2018)

prEN ISO 18785-5 en  
Friction stir spot welding – Aluminium – Part 5: Quality and inspection requirements (ISO 18785-5:2018)  
Točkasto zavarivanje trenjem uz miješanje – Aluminij – 5. dio: Zahtjevi za kvalitetu i inspekciju (ISO 18785-5:2018)

prEN ISO 20168 en  
Resistance welding – Locking tapers for electrode holders and electrode caps (ISO 20168:2016)  
Elektrotopno zavarivanje – Zaključavanje držača elektrode i kapica elektroda konusima (ISO 20168:2016)

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

EN 16147:2017/prA1 en  
Heat pumps with electrically driven compressors – Testing, performance rating and requirements for marking of domestic hot water units  
Dizalice topline s kompresorima na električni pogon – Ispitivanje, ocjenjivanje značajka i zahtjevi za označavanje uređaja za pripremu potrošne tople vode

### **HZN/TO 92, Zaštita od požara**

prEN 1366-10 en  
Fire resistance tests for service installations – Part 10: Smoke control dampers  
Ispitivanja otpornosti na požar servisnih instalacija – 10. dio: Zaklopke za upravljanje dimom

### **HZN/TO 108, Mehaničke vibracije i udari**

DIN 4150-3:2016 de  
Erschütterungen im Bauwesen – Teil 3: Einwirkungen auf bauliche Anlagen  
Vibracije u građevinama – 3. dio: Djelovanje na konstrukcije

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

prEN ISO 13479 en  
Polyolefin pipes for the conveyance of fluids – Determination of resistance to crack propagation – Test method for slow crack growth on notched pipes (ISO/DIS 13479:2020)  
Poliolefinske cijevi za transport tekućina – Određivanje otpornosti na širenje pukotine – Ispitna metoda za spori rast pukotine na cijevima sa zarezima (ispitivanje sa zarezom) (ISO/DIS 13479:2020)

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

EN 71-3:2019/prA1 en  
Safety of toys – Part 3: Migration of certain elements  
Sigurnost igraćaka – 3. dio: Otpuštanje određenih elemenata

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

EN ISO 14021:2016/prA1 en  
Environmental labels and declarations – Self-declared environmental claims (Type II environmental labelling) – Amendment 1: Carbon footprint, carbon neutral (ISO 14021:2016/DAMd 1:2020)

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

prEN ISO 18513 en  
Tourism services – Hotels and other types of tourism accommodation – Terminology (ISO/DIS 18513:2020)  
Usluge u turizmu – Hoteli i druge vrste turističkog smještaja – Nazivlje (ISO/DIS 18513:2020)

### **HZN/TO 238, Čvrsta biogoriva**

prEN ISO 23343-1 en  
Solid biofuels – Determination of water sorption and its effect on durability of thermally treated biomass fuels – Part 1: Pellets (ISO/DIS 23343-1:2020)

### **HZN/TO 502, Plinski uređaji**

prEN 1643 en  
Safety and control devices for burners and appliances burning gaseous and/or liquid fuels – Valve proving systems for automatic shut-off valves  
Sigurnosni i regulacijski uređaji za plamenike i uređaje na plinska i/ili tekuća goriva – Sustavi za provjeru ventila za automatske zaporne ventile

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

prEN 603-3 en  
Aluminium and aluminium alloys – Wrought forging stock – Part 3: Tolerances on dimensions and form  
Aluminij i aluminijeve legure – Istisnuti ili valjani materijal namijenjen kovanju – 3. dio: Dopuštena odstupanja dimenzija i oblika

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

prEN ISO 18086 en  
Corrosion of metals and alloys – Determination of AC corrosion – Protection criteria (ISO 18086:2019)  
Korozija metala i legura – Određivanje korozije izazvane djelovanjem izmjenične struje – Kriteriji zaštite (ISO 18086:2019)

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

prEN 15421 en  
Packaging – Flexible aluminium tubes – Determination of the adhesion of the internal and external protective lacquering  
Ambalaža – Savitljive aluminijske tube – Određivanje priornjivosti unutarnjeg i vanjskog zaštitnog laka

prEN 16285 en  
Packaging – Flexible aluminium tubes – Test method to measure the deformation of the aluminium tube body (Guillotine test)  
Ambalaža – Savitljive aluminijske tube – Ispitna metoda za mjerenje deformacije tijela aluminijskih tuba (Postupak Guillotine)

### **HZN/TO 518, Podovi, stropovi i zidne obloge**

prEN 15330-4 en  
Surfaces for sports areas – Synthetic turf and needle-punched surfaces primarily designed for outdoor use – Part 4: Specification for shockpads used with synthetic turf, needle-punch and textile sports surfaces  
Površine sportskih terena – Sintetičke travnate podloge i površine izrađene iglom prvenstveno dizajnirane za vanjsku uporabu – 4. dio: Specifikacija amortizacijskih podloga korištenih uz sintetičke travnate podloge, površine izrađene iglom i tekstilne površine sportskih terena

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

FprEN ISO/TS 21184 en  
Cooperative intelligent transport systems (C-ITS) – Global transport data management (GTDM) framework (ISO/DTS 21184:2020)  
Kooperativni inteligentni transportni sustavi (C-ITS) – Okvir upravljanja općim podacima o prijevozu (GTDM) (ISO/DTS 21184:2020)

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

prEN 1873-1 en  
Prefabricated accessories for roofing – Individual plastic rooflights – Product specification and test methods  
Montažni pribor za pokrivanje krovova – Zasebni plastični krovni svjetlarnici – Specifikacija proizvoda i metode ispitivanja

prEN 14963-1 en  
Prefabricated accessories for roofing – Part 1: Continuous plastic rooflights – Product specification and test methods  
Montažni pribor za pokrivanje krovova – 1. dio: Neprekinuti plastični krovni svjetlarnici – Specifikacija proizvoda i metode ispitivanja

prEN 17468-1 en  
Fibre cement products – Determination of pull through and shear resistance and bending strength calculations – Part 1: Flat sheets  
Proizvodi od cementa ojačanog vlaknima – Određivanje otpornosti na izvlačenje i posmik i proračuni čvrstoće na savijanje – 1. dio: Ravne ploče

prEN 17468-2 en  
Fibre cement products – Determination of pull through and shear resistance and bending strength calculations – Part 2: Profiled sheets  
Proizvodi od cementa ojačanog vlaknima – Određivanje otpornosti na izvlačenje i posmik i proračuni čvrstoće na savijanje – 2. dio: Valovite ploče



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

EN 14067-6:2018/prA1:2020 en  
Railway applications – Aerodynamics – Part 6: Requirements and test procedures for cross wind assessment  
Željeznički sustav – Aerodinamika – 6. dio: Zahtjevi i postupci ispitivanja za udare bočnog vjetra

EN 14752:2019/prA1 en  
Railway applications – Bodyside entrance systems for rolling stock  
Željeznički sustav – Sustavi bočnog ulazanja za željeznička vozila

prEN 15085-4 en  
Railway applications – Welding of railway vehicles and components – Part 4: Production requirements  
Željeznički sustav – Zavarivanje željezničkih vozila i sastavnih dijelova – 4. dio: Zahtjevi za proizvodnju

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

prEN 1493 en  
Vehicle lifts  
Dizala za vozila

prEN 1570-1 en  
Safety requirements for lifting tables – Part 1: Lifting tables serving up to two fixed landings  
Sigurnosni zahtjevi za podizne platforme – 1. dio: Podizne platforme za opsluživanje do dvije fiksne površine

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

prEN ISO 1043-4 en  
Plastics – Symbols and abbreviated terms – Part 4: Flame retardants (ISO/DIS 1043-4:2020)  
Plastika – Simboli i skraćeni nazivi – 4. dio: Usporavala gorenja (ISO/DIS 1043-4:2020)

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

prEN 932-3 en  
Tests for general properties of aggregates – Part 3: Procedure and terminology for simplified petrographic description  
Ispitivanje općih svojstava agregata – 3. dio: Postupak i nazivlje za pojednostavnjeni petrografski opis

prEN 933-9 en  
Tests for geometrical properties of aggregates – Part 9: Assessment of fines – Methylene blue test  
Ispitivanja geometrijskih svojstava agregata – 9. dio: Procjena sitnih čestica – Ispitivanje metilenskim modrilom

prEN 1097-6 en  
Tests for mechanical and physical properties of aggregates – Part 6: Determination of particle density and water absorption  
Ispitivanja mehaničkih i fizikalnih svojstava agregata – 6. dio: Određivanje gustoće i upijanja vode

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

prEN 13126-4 en  
Building hardware – Hardware for windows and door height windows – Requirements and test methods – Part 4: Espagnolettes  
Građevni okovi – Okovi za prozore i prozorska vrata – Zahtjevi i metode ispitivanja – 4. dio: Mehanizmi zasuna

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

EN ISO 129-1:2019/prA1 en  
Technical product documentation (TPD) – Presentation of dimensions and tolerances – Part 1: General principles (ISO 129-1:2018/Amd 1:2020)  
Tehnička dokumentacija proizvoda – Prikazivanje dimenzija i tolerancija – 1. dio: Opća načela (ISO 129-1:2018/Amd 1:2020)

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

prEN 1990 en  
Eurocode – Basis of structural and geotechnical design  
Eurokod: Osnove projektiranja konstrukcija i geotehničkog projektiranja

prEN 1993-1-1 en  
Eurocode 3 – Design of steel structures – Part 1-1: General rules and rules for buildings  
Eurokod 3: Projektiranje čeličnih konstrukcija – Dio 1-1: Opća pravila i pravila za zgrade

## **HZN/TO 553, Predgotovljeni proizvodi**

prEN ISO 10545-10 en  
Ceramic tiles – Part 10: Determination of moisture expansion (ISO/DIS 10545-10:2020)  
Keramičke pločice – 10. dio: Određivanje širenja pod utjecajem vlage (ISO/DIS 10545-10:2020)

prEN ISO 10545-15 en  
Ceramic tiles – Part 15: Determination of lead and cadmium given off by tiles (ISO/DIS 10545-15:2020)  
Keramičke pločice – 15. dio: Određivanje olova i kadmija koje izlučuju pločice (ISO/DIS 10545-15:2020)

prEN 12004-1 en  
Adhesives for ceramic tiles – Part 1: Essential characteristics and AVCP  
Ljepila za keramičke pločice – 1. dio: Bitne značajke te ocjenjivanje i provjera stalnosti svojstava (AVCP)

prEN 13224-1 en  
Precast concrete products – Ribbed floor elements – Part 1: Essential characteristics  
Predgotovljeni betonski proizvodi – Rebrasti stropni elementi – 1. dio: Bitne značajke

prEN 13224-2 en  
Precast concrete products – Ribbed floor elements – Part 2: Specifications  
Predgotovljeni betonski proizvodi – Rebrasti stropni elementi – 2. dio: Specifikacije

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

prEN 476 en  
General requirements for components used in drains and sewers  
Opći zahtjevi za dijelove koji se upotrebljavaju u odvodnji i kanalizaciji

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

prEN ISO 6717 en  
In vitro diagnostic medical devices – Single-use containers for the collection of specimens, other than blood, from humans (ISO/DIS 6717:2020)  
Medicinski proizvodi za in vitro dijagnostiku – Jednokratna spremišta za skupljanje uzoraka koji potječu od ljudi, osim krvi (ISO/DIS 6717:2020)

prEN ISO 20184-3 en  
Molecular in vitro diagnostic examinations – Specifications for pre-examination processes for frozen tissue – Part 3: Isolated DNA (ISO/DIS 20184-3:2020)

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

prEN 12841 en  
Personal fall protection equipment – Rope access systems – Rope adjustment devices  
Osobna zaštitna oprema – Sustavi osiguranja uzetom – Naprave za prilagodbu užadi

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

prEN ISO 8233 en  
Thermoplastics valves – Torque – Test method (ISO/DIS 8233:2020)  
Termoplastični zaporni uređaji – Okretni moment – Metoda ispitivanja (ISO/DIS 8233:2020)

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

prEN 14894 rev en  
LPG equipment and accessories – Cylinder and drum marking  
Oprema i pribor za UNP – Označavanje boca i spremnika

prEN ISO 20475 en  
Gas cylinders – Cylinder bundles – Periodic inspection and testing (ISO 20475:2018)  
Plinske boce – Baterije boca – Periodični pregled i ispitivanje (ISO 20475:2018)



prEN ISO 23088 en

Gas cylinders – Periodic inspection and testing of welded steel pressure drums – Capacities up to 1 000 l (ISO 23088:2020)  
Plinske boce – Periodični pregled i ispitivanje zavarenih čeličnih spremnika pod tlakom – Kapacitet do 1 000 l (ISO 23088:2020)

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

EN ISO 15216-1:2017/prA1 en

Microbiology of the food chain – Horizontal method for determination of hepatitis A virus and norovirus using real-time RT-PCR – Part 1: Method for quantification (ISO 15216-1:2017/DAMd 1:2020)  
Mikrobiologija u lancu hrane – Horizontalna metoda za određivanje virusa hepatitisa A i norovirusa upotrebom RT-PCR u stvarnom vremenu – 1. dio: Metoda za kvantitativno određivanje (ISO 15216-1:2017/DAMd 1:2020)

prEN 16923 en

Foodstuffs – Determination of T-2 toxin and HT-2 toxin in cereals and cereal products for infants and young children by SPE clean up and HPLC-MS/MS  
Hrana – Određivanje T-2 i HT-2 toksina u žitaricama i hrani na bazi žitarica za dojenčad i malu djecu pročišćavanjem pomoću SPE i HPLC-MS/MS tehnikom

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

prEN 17547 en

Animal feeding stuffs: Methods of sampling and analysis – Determination of vitamin A, E and D content – Method using solid phase extraction clean-up and High Performance Liquid Chromatography  
Hrana za životinje: Metode uzorkovanja i analize – Određivanje sadržaja vitamina A, E i D – Pročišćavanje metodom ekstrakcije čvrstom fazom i metodom tekućinske kromatografije visoke učinkovitosti

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

prEN ISO 56000 en

Innovation management – Fundamentals and vocabulary (ISO 56000:2020)  
Upravljanje inovacijama – Osnove i terminološki rječnik (ISO 56000:2020)

prEN ISO 56002 en

Innovation management – Innovation management system – Guidance (ISO 56002:2019)  
Upravljanje inovacijama – Sustav upravljanja inovacijama – Smjernice (ISO 56002:2019)

prEN ISO 56003 en

Innovation management – Tools and methods for innovation partnership – Guidance (ISO 56003:2019)  
Upravljanje inovacijama – Alati i metode za inovacijsko partnerstvo – Smjernice (ISO 56003:2019)

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

prEN IEC 61375-2-8:2020 en

Electronic railway equipment – Train communication network (TCN) – Part 2-8: TCN conformance test of ETB, ECN and Communication profile (IEC 61375-2-8:202X)

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

prEN 50708-2-3 en

Power transformers – Additional European requirements – Part 2-3: Medium power transformer – Accessories

prEN 50708-2-4 en

Power transformers – Additional European requirements – Part 2-4: Medium power transformer – Special tests

prEN 50708-2-5 en

Power transformers – Additional European requirements – Part 2-5: Medium power transformer – Single phase

prEN 50708-2-6 en

Power transformers – Additional European requirements: Part 2-6 Medium power transformers – Non conventional technologies

prEN IEC 60076-22-8:2020 en

Power transformers – Part 22-8: Power transformer and reactor fittings – Devices suitable for use in communication networks (IEC 60076-22-8:202X)

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

prEN IEC 60947-8:2020 en

Low-voltage switchgear and controlgear – Part 8: Control units for built-in thermal protection (PTC) for rotating electrical machines (IEC 60947-8:202X)  
Niskonaponska sklopna aparatura – 8. dio: Upravljačke jedinice za ugrađenu toplinsku zaštitu (PTC) u električne rotacijske strojeve (IEC 60947-8:202X)

prEN IEC 62271-112:2020 en

High-voltage switchgear and controlgear – Part 112: Alternating current high-speed earthing switches for secondary arc extinction on transmission lines (IEC 62271-112:202X)  
Visokonaponska sklopna aparatura – 112. dio: Brzi zemljospojnici izmjenične struje za otklanjanje sekundarnog luka na dalekovodima (IEC 62271-112:202X)

### **HZN/TO E20, Električni kabeli**

prHD 626 S2 en

Overhead distribution cables of rated voltage U0/U(Um): 0,6/1 (1,2) kV

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

prEN IEC 60320-1:2020 en

Appliance couplers for household and similar general purposes – Part 1: General requirements (IEC 60320-1:202X)  
Aparatni utični pribor za kućanstvo i slične opće svrhe – 1. dio: Opći zahtjevi (IEC 60320-1:202X)

EN IEC 61534-21:2014/prA1:2020 en

Powertrack systems – Part 21: Particular requirements for powertrack systems intended for wall and ceiling mounting (IEC 61534-21:2014/am1:202X)  
Energetski tračnički sustavi – 21. dio: Posebni zahtjevi za energetske tračničke sustave namijenjene ugradbi na zid i strop (IEC 61534-21:2014/am1:202X)

EN 61534-21:2014/prAA en

Powertrack systems – Part 21: Particular requirements for powertrack systems intended for wall and ceiling mounting  
Energetski tračnički sustavi – 21. dio: Posebni zahtjevi za energetske tračničke sustave namijenjene ugradbi na zid i strop

EN IEC 61534-22:2014/prA1:2020 en

Powertrack systems – Part 22: Particular requirements for powertrack systems intended for onfloor or underfloor installation (IEC 61534-22:2014/am1:202X)  
Energetski tračnički sustavi – 22. dio: Posebni zahtjevi za energetske tračničke sustave namijenjene ugradnji na pod ili ispod poda (IEC 61534-22:2014/am1:202X)

EN 61534-22:2014/prAA en

Powertrack systems – Part 22: Particular requirements for powertrack systems intended for onfloor or underfloor installation  
Energetski tračnički sustavi – 22. dio: Posebni zahtjevi za energetske tračničke sustave namijenjene ugradnji na pod ili ispod poda

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

prEN 15967 en

Determination of maximum explosion pressure and the maximum rate of pressure rise of gases and vapours  
Određivanje najvećeg tlaka eksplozije i najvećeg porasta tlaka plinova i para

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

prEN IEC 60809 en

Lamps and light sources for road vehicles – Dimensional, electrical and luminous requirements (IEC 60809:202X)

EN IEC 62922:2017/prA1:2020 en

Organic light emitting diode (OLED) panels for general lighting – Performance requirements (IEC 62922:2016/am1:202X)  
Paneli s organskim svjetlećim diodama (OLED) za opću rasvjetu – Izvedbeni zahtjevi (IEC 62922:2016/am1:202X)

## **HZN/TO E55, Žice za namote**

EN IEC 60317-60-1:2020 en  
Specifications for particular types of winding wires – Part 60-1: Polyester glass-fibre wound fused, unvarnished, bare or enamelled rectangular copper wire, temperature index 155 (IEC 60317-60-1:2020)  
Specifikacije pojedinih vrsta žica za namote – Dio 60-1: Nelakirana ili lakirana profilna bakrena žica, omotana staklenim, poliestrom povezanim vlaknima, bez lakiranja, indeksa temperature 155 (IEC 60317-60-1:2020)

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

prEN IEC 61968-3:2020 en  
Application integration at electric utilities – System interfaces for distribution management – Part 3: Interface for network operations (IEC 61968-3:202X)  
Integracija aplikacija u elektroprivredi – Sučelja za sustave upravljanja u distribuciji – 3. dio: Sučelje za upravljanje distribucijskom mrežom (IEC 61968-3:202X)

EN IEC 61970-301:2020 en  
Energy management system application program interface (EMS-API) – Part 301: Common information model (CIM) base (IEC 61970-301:2020)  
Sučelje za aplikacije vođenja elektroenergetskog sustava (EMS-API) – 301. dio: Osnove zajedničkog modela podataka (CIM) (IEC 61970-301:2020)

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

prEN 60335-2-25 en  
Household and similar electrical appliances – Safety – Part 2-25: Particular requirements for microwave ovens, including combination microwave ovens (IEC 60335-2-25:2020)  
Kućanski i slični električni aparati – Sigurnost – Dio 2-25: Posebni zahtjevi za mikrovalne pećnice, uključujući i složene mikrovalne pećnice (IEC 60335-2-25:2020)

prEN 60335-2-25/prAA:2020 en  
Household and similar electrical appliances – Safety – Part 2-25: Particular requirements for microwave ovens, including combination microwave ovens  
Kućanski i slični električni aparati – Sigurnost – Dio 2-25: Posebni zahtjevi za mikrovalne pećnice, uključujući i složene mikrovalne pećnice

FprEN IEC 60335-2-75:2020 en  
Household and similar electrical appliances – Safety – Part 2-75: Particular requirements for commercial dispensing appliances and vending machines (IEC 60335-2-75:2012)  
Kućanski i slični električni aparati – Sigurnost – Dio 2-75: Posebni zahtjevi za ugostiteljske raspodjelne aparate i prodajne automate (IEC 60335-2-75:2012)

FprEN IEC 60335-2-75:2020/FprA1:2020 en  
Household and similar electrical appliances – Safety – Part 2-75: Particular requirements for commercial dispensing appliances and vending machines (IEC 60335-2-75:2012/am1:2015)  
Kućanski i slični električni aparati – Sigurnost – Dio 2-75: Posebni zahtjevi za ugostiteljske raspodjelne aparate i prodajne automate (IEC 60335-2-75:2012/am1:2015)

FprEN IEC 60335-2-75:2020/FprA11:2020 en  
Household and similar electrical appliances – Safety – Part 2-75: Particular requirements for commercial dispensing appliances and vending machines  
Kućanski i slični električni aparati – Sigurnost – Dio 2-75: Posebni zahtjevi za ugostiteljske raspodjelne aparate i prodajne automate

FprEN IEC 60335-2-75:2020/prA2:2020 en  
Household and similar electrical appliances – Safety – Part 2-75: Particular requirements for commercial dispensing appliances and vending machines (IEC 60335-2-75:2012/am2:2018)  
Kućanski i slični električni aparati – Sigurnost – Dio 2-75: Posebni zahtjevi za ugostiteljske raspodjelne aparate i prodajne automate (IEC 60335-2-75:2012/am2:2018)

prEN IEC 63327:2020 en  
Automatic floor treatment machines for commercial use – Particular requirements (IEC 63327:202X)

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

EN 60601-1-12:2015/A1:2020 en  
Medical electrical equipment – Part 1-12: General requirements for basic safety and essential performance – Collateral Standard: Requirements for medical electrical equipment and medical electrical systems intended for use in the emergency medical services environment (IEC 60601-1-12:2014/am1:2020)  
Medicinska električna oprema – Dio 1-12: Opći zahtjevi za osnovnu sigurnost i bitne radne značajke – Popratna norma: Zahtjevi za medicinsku električnu opremu i medicinske električne sustave namijenjene za uporabu u području hitnih medicinskih usluga (IEC 60601-1-12:2014/am1:2020)

EN IEC 60601-1-3:2008/prA2:2020 en  
Medical electrical equipment – Part 1-3: General requirements for basic safety and essential performance – Collateral Standard: Radiation protection in diagnostic X-ray equipment (IEC 60601-1-3:2008/am2:202X)  
Medicinska električna oprema – Dio 1-3: Opći zahtjevi za osnovnu sigurnost i bitne radne značajke – Popratna norma: Zaštita od zračenja u dijagnostičkoj rendgenskoj opremi (IEC 60601-1-3:2008/am2:202X)

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

prEN IEC 61010-2-201:2020 en  
Safety requirements for electrical equipment for measurement, control, and laboratory use – Part 2-201: Particular requirements for control equipment (IEC 61010-2-201:202X)  
Sigurnosni zahtjevi za mjernu, upravljačku i laboratorijsku električnu opremu – Dio 2-201: Posebni zahtjevi za upravljačku opremu (IEC 61010-2-201:202X)

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

prEN IEC 63110-1:2020 en  
Protocol for Management of Electric Vehicles charging and discharging infrastructures – Part 1: Basic Definitions, Use Cases and architecture (IEC 63110-1:202X)

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

prEN 50286 en  
Electrical insulating protective clothing for low-voltage installations  
Električna izolacijska zaštitna odjeća za uporabu u postrojenjima niskog napona

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

CLC/FprTS 50131-5-1 en  
Alarm systems – Intrusion systems – Part 5-1: Interconnections – Requirements for wired Interconnection for I&HAS equipments located in supervised premises  
Alarmni sustavi – Protuprovalni sustavi – Dio 5-1: Međuveze – Zahtjevi za žičnu međuvezu I i HAS opreme smještene u nadziranim objektima

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

FprEN IEC 61557-12:2018/prA1:2020 en  
Electrical safety in low voltage distribution systems up to 1 000 V AC and 1 500 V DC – Equipment for testing; measuring or monitoring of protective measures – Part 12: Power metering and monitoring devices (PMD) (IEC 61557-12:2018/am1:202X)  
Električna sigurnost u niskonaponskim distribucijskim sustavima do 1 000 V izmjenične struje i 1 500 V istosmjerne struje – Oprema za ispitivanje, mjerenje ili nadzor zaštite – 12. dio: Uređaji za mjerenje i praćenje snage (PMD) (IEC 61557-12:2018/am1:202X)

## **HZN/TO E88, Vjetroagregati**

prEN IEC 61400-50-3:2020 en  
Wind energy generation systems – Part 50-3: Use of nacelle mounted lidars for wind measurements (IEC 61400-50-3:202X)

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

prEN IEC 60958-5:2020 en  
Digital audio interface – Part 5: Consumer application enhancement (TA 20) (IEC 60958-5:202X)

prEN IEC 63002:2020 en  
Interoperability specifications and communication method for external power supplies used with computing and consumer electronics devices (TA 18) (IEC 63002:202X)

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

prEN IEC 55025:2020 en  
Vehicles, boats and internal combustion engines – Radio disturbance characteristics – Limits and methods of measurement for the protection of on-board receivers (CISPR 25:202X)  
Vozila, plovila i motori s unutarnjim izgaranjem – Značajke radio smetnja – Granične razine i metode mjerenja za zaštitu ugrađenih prijamnika (CISPR 25:202X)

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

Draft EN 301 444 V2.2.0:2020 en  
Satellite Earth Stations and Systems (SES) – Land Mobile Earth Stations (LMES) and Maritime Mobile Earth Stations (MMES) providing voice and/or data communications, operating in the 1,5 GHz and 1,6 GHz frequency bands – Harmonised Standard for access to radio spectrum  
Satelitske zemaljske postaje i sustavi (SES) – Kopnene pokretne zemaljske postaje (LMES) i pomorske pokretne zemaljske postaje (MMES) za govornu i/ili podatkovnu komunikaciju u frekvencijskim pojasi 1,5 GHz i 1,6 GHz – Harmonizirana norma za pristup radijskom spektru

Draft EN 301 489-19 V2.2.0:2020 en  
ElectroMagnetic Compatibility (EMC) standard for radio equipment and services – Part 19: Specific conditions for Receive Only Mobile Earth Stations (ROMES) operating in the 1,5 GHz band providing data communications and GNSS receivers operating in the RNSS band providing positioning, navigation, and timing data – Harmonised Standard for ElectroMagnetic Compatibility  
Norma elektromagnetske kompatibilnosti (EMC) za radijsku opremu i službe – 19. dio: Posebni uvjeti za samo prijemne pokretne zemaljske postaje (ROMES) za podatkovnu komunikaciju u frekvencijskom pojasu 1,5 GHz i GNSS prijamnike koji rade u RNSS pojasu osiguravajući pozicioniranje, navigaciju i pravovremenost podataka; Harmonizirana norma za elektromagnetsku kompatibilnost

Draft EN 301 489-22 V2.0.1:2020 en  
ElectroMagnetic Compatibility (EMC) standard for radio equipment and services – Part 22: Specific conditions for ground based aeronautical mobile and fixed radio equipment – Harmonised Standard for ElectroMagnetic Compatibility  
Norma za elektromagnetsku kompatibilnost (EMC) za radijsku opremu i službe – 22. dio: Posebni uvjeti za zrakoplovnu pokretnu i nepokretnu radijsku opremu koja je na tlu – Harmonizirana norma za elektromagnetsku kompatibilnost

Draft EN 302 609 V2.2.0:2020 en  
Short Range Devices (SRD) – Radio equipment for Euroloop communication systems – Harmonised Standard for access to radio spectrum  
Uređaji kratkoga dometa (SRD) – Radijska oprema za komunikacijske sustave europetlje – Harmonizirana norma za pristup radijskom spektru

Draft EN 303 135 V2.1.2:2020 en  
Coastal Surveillance, Vessel Traffic Services and Harbour Radars (CS/VTS/HR) – Harmonised Standard for access to radio spectrum  
Obalni nadzor, opsluživanje prometa plovila i lučki radari (CS/VTS/HR) – Harmonizirana norma za pristup radijskom spektru

Draft EN 303 746 V1.0.1:2020 en  
Maritime Location Systems – Radio transmitters and receivers for communication links operating in the 9 GHz frequency band (X band)  
Sustavi pomorske lokacije – Radijski odašiljači i prijamnici za komunikacijske veze koje rade u frekvencijskom pojasu od 9 GHz (X pojas)

Draft EN 303 883-1 V1.2.0:2020 en  
Short Range Devices (SRD) and Ultra Wide Band (UWB) – Part 1: Measurement techniques for transmitter requirements  
Uređaji kratkoga dometa (SRD) i ultra širokog pojasa (UWB) – 1. dio: Mjerne tehnike za ispitivanje zahtjeva odašiljača

Draft EN 303 883-2 V1.2.0:2020 en  
Short Range Devices (SRD) and Ultra Wide Band (UWB) – Part 2: Measurement techniques for receiver requirements  
Uređaji kratkoga dometa (SRD) i ultra širokog pojasa (UWB) – 2. dio: Mjerne tehnike za ispitivanje zahtjeva prijamnika

Draft EN 319 412-1 V1.4.2:2020 en  
Electronic Signatures and Infrastructures (ESI) – Certificate Profiles – Part 1: Overview and common data structures  
Elektronički potpisi i infrastrukture (ESI) – Profili certifikata – 1. dio: Pregled i struktura zajedničkih podataka

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

prEN 13523-0  
Coil coated metals – Test methods – Part 0: General introduction  
Prevučeni metali u namotajima – Metode ispitivanja – 0. dio: Opći uvod

prEN 13523-2 en  
Coil coated metals – Test methods – Part 2: Gloss  
Prevučeni metali u namotajima – Metode ispitivanja – 2. dio: Sjajnost

prEN ISO 20266 en  
Paints and varnishes – Determination of image clarity (degree of sharpness of reflected or transmitted image) (ISO 20266:2018)  
Boje i lakovi – Određivanje jasnoće slike (stupnja oštine reflektirane ili prenesene slike) (ISO 20266:2018)

prEN ISO 21545 en  
Paints and varnishes – Determination of settling (ISO 21545:2018)  
Boje i lakovi – Određivanje slijeganja (ISO 21545:2018)

prEN ISO 21546 en  
Paints and varnishes – Determination of the resistance to rubbing using a linear abrasion tester (crockmeter) (ISO 21546:2019)  
Boje i lakovi – Određivanje otpornosti na trljanje uređajem za ispitivanje linearne abrazije (crockmeter) (ISO 21546:2019)

prEN ISO 22516 en  
Paints and varnishes – Practical determination of non-volatile and volatile matter content during application (ISO 22516:2019)  
Boje i lakovi – Praktično određivanje sadržaja nehlapljivih i hlapljivih tvari tijekom nanošenja (ISO 22516:2019)

prEN ISO 22518 en  
Paints and varnishes – Determination of solvents in water-thinnable coating materials – Gas-chromatographic method (ISO 22518:2019)  
Boje i lakovi – Određivanje otapala u materijalima za prevlake koji se razrjeđuju vodom – Metoda plinske kromatografije (ISO 22518:2019)

prEN ISO 22553-1 en  
Paints and varnishes – Electro-deposition coatings – Part 1: Vocabulary (ISO 22553-1:2019)  
Boje i lakovi – Prevlake za nanošenje elektrodepozicijom – 1. dio: Rječnik (ISO 22553-1:2019)

prEN ISO 22553-2 en  
Paints and varnishes – Electro-deposition coatings – Part 2: Throwing power (ISO 22553-2:2019)  
Boje i lakovi – Prevlake za nanošenje elektrodepozicijom – 2. dio: Sposobnost prekrivanja (ISO 22553-2:2019)

prEN ISO 22553-3 en  
Paints and varnishes – Electro-deposition coatings – Part 3: Compatibility of electro-deposition coating materials with a reference oil (ISO 22553-3:2019)  
Boje i lakovi – Prevlake za nanošenje elektrodepozicijom – 3. dio: Kompatibilnost materijala za prevlake za nanošenje elektrodepozicijom s referentnim uljem (ISO 22553-3:2019)



prEN ISO 22553-4 en  
Paints and varnishes – Electro-deposition coatings – Part 4: Compatibility of electro-deposition coating materials with liquid, paste-like and solid foreign materials (ISO 22553-4:2019)  
Boje i lakovi – Prevlake za nanošenje elektrodepozicijom – 4. dio: Kompatibilnost materijala za prevlake za nanošenje elektrodepozicijom s tekućim, kašastim i krutim stranim materijalima (ISO 22553-4:2019)

prEN ISO 22553-5 en  
Paints and varnishes – Electro-deposition coatings – Part 5: Determination of sieve residue (ISO 22553-5:2019)  
Boje i lakovi – Prevlake za nanošenje elektrodepozicijom – 5. dio: Određivanje ostatka na situ (ISO 22553-5:2019)

prEN ISO 22553-6 en  
Paints and varnishes – Electro-deposition coatings – Part 6: Entry marks (ISO 22553-6:2019)  
Boje i lakovi – Prevlake za nanošenje elektrodepozicijom – 6. dio: Oznake za uranjanje (ISO 22553-6:2019)

prEN ISO 22557 en  
Paints and varnishes – Scratch test using a spring-loaded pen (ISO 22557:2019)  
Boje i lakovi – Ispitivanje grebanjem pomoću ispitnog štapa s oprugom (ISO 22557:2019)

prEN ISO 22636 en  
Adhesives – Adhesives for floor coverings – Requirements for mechanical and electrical performance (ISO 22636:2020)  
Adhezivi – Adhezivi za podne obloge – Zahtjevi za mehanička i električna svojstva (ISO 22636:2020)

prEN ISO 22969 en  
Paints and varnishes – Determination of solar reflectance (ISO 22969:2019)  
Boje i lakovi – Određivanje solarne reflektancije (ISO 22969:2019)

prEN ISO 22970 en  
Paints and varnishes – Test method for evaluation of adhesion of elastic adhesives on coatings by peel test, peel strength test and tensile lap-shear strength test with additional stress by condensation test or cataplasm storage (ISO 22970:2019)  
Boje i lakovi – Metoda ispitivanja za procjenu prijanjanja elastičnih adheziva za premaze ispitivanjem ljuštenja, čvrstoće na ljuštenje i smične čvrstoće preklopnih spojeva uz dodatno ispitivanje izlaganjem kondenzaciji ili kataplazmi (ISO 22970:2019)

prEN ISO 23168 en  
Paints and varnishes – Determination of water content – Gas-chromatographic method (ISO 23168:2019)  
Boje i lakovi – Određivanje sadržaja vode – Metoda plinske kromatografije (ISO 23168:2019)

prEN ISO 23321 en  
Solvents for paints and varnishes – Demineralized water for industrial applications – Specification and test methods (ISO 23321:2019)  
Otapala za boje i lakove – Demineralizirana voda za industrijske primjene – Specifikacija i metode ispitivanja (ISO 23321:2019)

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

prEN ISO 11426 en  
Jewellery and precious metals – Determination of gold – Cupellation method (fire assay) (ISO/DIS 11426:2020)  
Nakit i plemeniti metali – Određivanje zlata – Metoda kupelacije (analiza vatrom) (ISO/DIS 11426:2020)

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

prEN ISO 14705 en  
Fine ceramics (advanced ceramics, advanced technical ceramics) – Test method for hardness of monolithic ceramics at room temperature (ISO 14705:2016)

prEN ISO 17172 en  
Fine ceramics (advanced ceramics, advanced technical ceramics) – Determination of compaction properties of ceramic powders (ISO 17172:2014)

prEN ISO 18610 en  
Fine ceramics (advanced ceramics, advanced technical ceramics) – Mechanical properties of ceramic composites at ambient temperature in air atmospheric pressure – Determination of elastic properties by ultrasonic technique (ISO 18610:2016)

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

prEN 12183 en  
Manual wheelchairs – Requirements and test methods  
Invalidska kolica na ručni pogon – Zahtjevi i metode ispitivanja

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

prEN 415-11 en  
Safety of packaging machines – Part 11: Determination of efficiency and availability

prEN 2665-001 en  
Aerospace series – Circuit breakers, three-pole, temperature compensated, rated currents 20 A to 50 A – Part 001: Technical specification

prEN 2794-001 en  
Aerospace series – Circuit breakers, single-pole, temperature compensated, rated currents 20 A to 50 A – Part 001: Technical specification  
Zrakoplovstvo – Automatski osigurači, jednopolni, temperaturno kompenzirani, nazivnih struja 20 A do 50 A – Dio 001: Tehničke specifikacije

prEN 2995-001 en  
Aerospace series – Circuit breakers, single-pole, temperature compensated, rated currents 1 A to 25 A – Part 001: Technical specification  
Zrakoplovstvo – Automatski osigurači, jednopolni, temperaturno kompenzirani, nazivne struje 1 A do 25 A – Dio 001: Tehnička specifikacija

prEN 2996-001 en  
Aerospace series – Circuit breakers, three-pole, temperature compensated, rated currents 1 A to 25 A – Part 001: Technical specification  
Zrakoplovstvo – Automatski osigurači, trolpolni, temperaturno kompenzirani, nazivne struje 1 A do 25 A – Dio 001: Tehnička specifikacija

prEN 3572 en  
Aerospace series – PTFE flexible hose assembly with convoluted inner tube of a nominal pressure up to 6 800 kPa and 8°30' fitting in titanium – Product standard

prEN 3661-001 en  
Aerospace series – Circuit breakers, single-pole, temperature compensated, rated currents 20 A to 50 A – Part 001: Technical specification  
Zrakoplovstvo – Automatski osigurači, jednopolni, temperaturno kompenzirani, nazivne struje 20 A do 50 A – Dio 001: Tehnička specifikacija

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

prEN 3773-001 en  
Aerospace series – Circuit breakers, single-pole, temperature compensated, rated currents 1 A to 25 A – Part 001: Technical specification  
Zrakoplovstvo – Automatski osigurači, jednopolni, temperaturno kompenzirani, nazivnih struja 1 A do 25 A – Dio 001: Tehnička specifikacija

prEN 3774-001 en  
Aerospace series – Circuit breakers, three-pole, temperature compensated, rated currents 1 A to 25 A – Part 001: Technical specification  
Zrakoplovstvo – Automatski osigurači, trolpolni, temperaturno kompenzirani, nazivnih struja 1 A do 25 A – Dio 001: Tehnička specifikacija

prEN 4650 en  
Aerospace series – Wire and cable marking process, UV Laser  
Zrakoplovstvo – Procesi za označavanje žica i kabela, UV laser



prEN 4880 en  
Aerospace series – General technical specification for standard parts

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

EN IEC 61666:2010/prA1:2020 en  
Industrial systems, installations and equipment and industrial products – Identification of terminals within a system (IEC 61666:2010/am1:202X)  
Industrijski sustavi, instalacije, oprema i industrijski proizvodi – Identificiranje priključaka unutar sustava (IEC 61666:2010/am1:202X)

prEN IEC 61788-22-2:2020 en  
Normal state resistance and critical current measurement – high-Tc Josephson junction (IEC 61788-22-2:202X)  
Mjerenje normalnog otpora i kritične struje – Josephsonov spoj visoko temperaturnih supravodiča (high-Tc) (IEC 61788-22-2:202X)

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

prEN 50491-12-2 en  
General requirements for Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS) – Part 12-2: Smart grid – Application specification – Interface and framework for customer – Interface between the Home / Building CEM

prEN IEC 60794-1-211:2020 en  
Optical fibre cables – Part 1-211: Generic specification – Basic optical cable test procedures – Environmental test methods – Sheath shrinkage, Method F11 (IEC 60794-1-211:202X)

prEN IEC 60794-3:2020 en  
Optical fibre cables – Part 3: Outdoor cables – Sectional specification (IEC 60794-3:202X)

prEN IEC 60794-3-12:2020 en  
Optical fibre cables – Part 3-12: Outdoor cables – Detailed specification for duct and directly buried optical telecommunication cables for use in premises cabling (IEC 60794-3-12:202X)

FprEN IEC 61010-2-012:2019/prAA en  
Safety requirements for electrical equipment for measurement, control and laboratory use – Part 2-012: Particular requirements for climatic and environmental testing and other temperature conditioning equipment  
Sigurnosni zahtjevi za mjernu, upravljačku i laboratorijsku električnu opremu – Dio 2-012: Posebni zahtjevi za opremu za ispitivanje klime i okoliša i drugu opremu za kontrolu temperature

FprEN IEC 61010-2-032:2019/prAA en  
Safety requirements for electrical equipment for measurement, control and laboratory use – Part 2-032: Particular requirements for hand-held and hand-manipulated current sensors for electrical test and measurement  
Sigurnosni zahtjevi za mjernu, upravljačku i laboratorijsku električnu opremu – Dio 2-032: Posebni zahtjevi za ručne strujne senzore za električna ispitivanja i mjerenja

prEN IEC 61189-5-301:2020 en  
Test methods for electrical materials; printed boards and other interconnection structures and assemblies – Part 5-301: Test methods for printed board assemblies – Soldering paste using fine solder particles (IEC 61189-5-301:202X)

prEN IEC 61753-085-2:2020 en  
Fibre optic interconnecting devices and passive components performance standard – Part 085-2: Nonconnectorized single-mode pigtailed CWDM devices for category C – Indoor controlled environment (IEC 61753-085-2:202X)

prEN IEC 61755-3-1:2020 en  
Fibre optic interconnecting devices and passive components – Connector optical interfaces – Part 3-1: Connector parameters of dispersion unshifted single-mode physically contacting fibres – Non-angled 2,5 mm and 1,25 mm diameter cylindrical full zirconia ferrules (IEC 61755-3-1:202X)

prEN IEC 61755-3-2:2020 en  
Fibre optic interconnecting devices and passive components – Connector optical interfaces – Part 3-2: Connector parameters of dispersion unshifted single-mode physically contacting fibres – angled 2,5 mm and 1,25 mm diameter cylindrical full zirconia ferrules (IEC 61755-3-2:202X)

EN IEC 63044-1:2017/prA1:2020 en  
Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS) – Part 1: General requirements (IEC 63044-1:2017/am1:202X)

EN IEC 63044-3:2018/prA1:2020 en  
Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS) – Part 3: Electrical safety requirements (IEC 63044-3:2017/am1:202X)

prEN IEC 63044-4:2020 en  
General requirements for Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS) – Part 4: General functional safety requirements for products intended to be integrated in Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS) (IEC 63044-4:202X)

prEN IEC 63044-6-1:2020 en  
General requirements for Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS) – Part 6: Requirements for planning and installation (IEC 63044-6-1:202X)

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

EN IEC 60350-1:2016/prA1:2020 en  
Household electric cooking appliances – Part 1: Ranges, ovens, steam ovens and grills – Methods for measuring performance (IEC 60350-1:2016/am1:202X)  
Kućanski električni aparati za kuhanje – 1. dio: Štednjaci, pećnice na paru i roštilji – Metode za mjerenje radnih značajka (IEC 60350-1:2016/am1:202X)

EN IEC 60350-2:2018/prA1:2020 en  
Household electric cooking appliances – Part 2: Hobs – Methods for measuring performance (IEC 60350-2:2017/am1:202X)  
Kućanski električni aparati za kuhanje – 2. dio: Električna ugradbena ploča – Metode ispitivanja za mjerenje radnih značajka (IEC 60350-2:2017/am1:202X)

FprEN IEC 62841-3-7:2020 en  
Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 3-7: Particular requirements for transportable wall saws (IEC 62841-3-7:201X)  
Ručni elektromotorni alati, prijenosni alati i mehanizacija za travnjake i vrtove – Sigurnost – Dio 3-7: Posebni zahtjevi za prijenosne pile za zidove (IEC 62841-3-7:201X)

EN IEC 63252:2020 en  
Energy consumption of vending machines (IEC 63252:2020)  
Potrošnja energije automata za prodaju (IEC 63252:2020)

## **HZN/TU Z1, Informatika 1**

prEN ISO/IEC 27017 en  
Information technology – Security techniques – Code of practice for information security controls based on ISO/IEC 27002 for cloud services (ISO/IEC 27017:2015)

## **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 21, Protupožarna i vatrogasna oprema**

HRN EN 16750:2017 en  
Stabilni protupožarni sustavi – Sustavi sa smanjenom koncentracijom kisika – Projektiranje, postavljanje, planiranje i održavanje (EN 16750:2017)  
Fixed firefighting systems – Oxygen reduction systems – Design, installation, planning and maintenance (EN 16750:2017)  
- zamijenjena s: HRN EN 16750:2020

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

HRN ISO 3103:2001 en  
Čaj – Pripremanje napitka za senzorske testove (ISO 3103:1980)  
Tea – Preparation of liquor for use in sensory tests (ISO 3103:1980)  
- zamijenjena s: HRN ISO 3103:2020

HRN ISO 3631:2003 en  
Agrumi – Upute za skladištenje (ISO 3631:1978)  
Citrus fruits – Guide to storage (ISO 3631:1978)  
- zamijenjena s: HRN ISO 3631:2020

HRN EN ISO 6647-1:2015 en  
Riža – Određivanje sadržaja amiloze – 1. dio: Referentna metoda (ISO 6647-1:2015; EN ISO 6647-1:2015)  
Rice – Determination of amylose content – Part 1: Reference method (ISO 6647-1:2015; EN ISO 6647-1:2015)  
- zamijenjena s: HRN EN ISO 6647-1:2020

HRN EN ISO 6647-2:2015 en  
Riža – Određivanje sadržaja amiloze – 2. dio: Rutinska metoda (ISO 6647-2:2015; EN ISO 6647-2:2015)  
Rice – Determination of amylose content – Part 2: Routine methods (ISO 6647-2:2015; EN ISO 6647-2:2015)  
- zamijenjena s: HRN EN ISO 6647-2:2020

HRN EN ISO 7540:2010 en  
Mljevena paprika (*Capsicum annum* L.) – Specifikacija (ISO 7540:2006; EN ISO 7540:2010)  
Ground paprika (*Capsicum annum* L.) – Specification (ISO 7540:2006; EN ISO 7540:2010)  
- zamijenjena s: HRN EN ISO 7540:2020

HRN EN ISO 7541:2010 en  
Mljevena (u prahu) paprika – Određivanje ukupnog sadržaja tvari prirodne boje (ISO 7541:1989; EN ISO 7541:2010)  
Ground (powdered) paprika – Determination of total natural colouring matter content (ISO 7541:1989; EN ISO 7541:2010)  
- zamijenjena s: HRN EN ISO 7541:2020

HRN ISO 11050:1999 en  
Pšenično brašno i krupica durum-pšenice – Određivanje onečišćenja životinjskog podrijetla (ISO 11050:1993)  
Wheat flour and durum wheat semolina – Determination of impurities of animal origin (ISO 11050:1993)  
- zamijenjena s: HRN ISO 11050:2020

HRN ISO 13301:2003 en  
Senzorske analize – Metodologija – Opće upute za mjerenje praga podražaja mirisa, arome i okusa postupkom 3-AFC (ISO 13301:2002)  
Sensory analysis – Methodology – General guidance for measuring odour, flavour and taste detection thresholds by a three-alternative forced-choice (3-AFC) procedure (ISO 13301:2002)  
- zamijenjena s: HRN ISO 11050:2020

HRN ISO 16820:2007 en  
Senzorske analize – Metodologija – Sekvencijalna analiza (ISO 16820:2004)  
Sensory analysis – Methodology – Sequential analysis (ISO 16820:2004)  
- zamijenjena s: HRN ISO 16820:2020

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

HRN EN ISO 5135:2000 en  
Akustika – Određivanje razina zvučne snage elemenata i uređaja za razdiobu zraka, zaklopki i ventila mjerenjem u odječnoj prostoriji (ISO 5135:1997; EN ISO 5135:1998)  
Acoustics – Determination of sound power levels of noise from air terminal devices, air-terminal units, dampers and valves by measurement in a reverberation room (ISO 5135:1997; EN ISO 5135:1998)  
- zamijenjena s: HRN EN ISO 5135:2020

HRN EN ISO 16283-2:2018 en  
Akustika – Terensko mjerenje zvučne izolacije u zgradama i građevnih dijelova zgrade – 2. dio: Udarna zvučna izolacija (ISO 16283-2:2018; EN ISO 16283-2:2018)  
Acoustics – Field measurement of sound insulation in buildings and of building elements – Part 2: Impact sound insulation (ISO 16283-2:2018; EN ISO 16283-2:2018)  
- bez zamjene

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

HRI CEN ISO/TR 20174:2008 en  
Zavarivanje – Sustavi razvrstavanja materijala – Japanski materijali (ISO/TR 20174:2005; CEN ISO/TR 20174:2005)  
Welding – Grouping systems for materials – Japanese materials (ISO/TR 20174:2005; CEN ISO/TR 20174:2005)  
- zamijenjena s: HRI CEN ISO/TR 20174:2020

HRN EN ISO 24034:2010 en  
Dodatni i potrošni materijali za zavarivanje – Elektrode od pune žice, pune žice i šipke za zavarivanje taljenjem titana i titanovih legura – Razredba (ISO 24034:2010; EN ISO 24034:2010)  
Welding consumables – Solid wire electrodes, solid wires and rods for fusion welding of titanium and titanium alloys – Classification (ISO 24034:2010; EN ISO 24034:2010)  
- zamijenjena s: HRN EN ISO 24034:2020

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

HRN EN 13215:2016 en  
Kondenzacijske jedinice za hlađenje – Uvjeti razvrstavanja, dopuštenog odstupanja i prikaz tvorničkih radnih značajka (EN 13215:2016)  
Condensing units for refrigeration – Rating conditions, tolerances and presentation of manufacturer's performance data (EN 13215:2016)  
- zamijenjena s: HRN EN 13215:2020

## **HZN/TO 92, Zaštita od požara**

HRN EN 1366-1:2014 en  
Ispitivanja otpornosti na požar instalacija – 1. dio: Ventilacijski kanali (EN 1366-1:2014)  
Fire resistance tests for service installations – Part 1: Ventilation ducts (EN 1366-1:2014)  
- zamijenjena s: HRN EN 1366-1:2020

## **HZN/TO 120, Koža i obuća**

HRN EN ISO 13365:2011 en  
Koža – Kemijska ispitivanja – Određivanje sadržaja sredstva za zaštitu (TCMTB, PCMC, OPP, OIT) u koži tekućom kromatografijom (ISO 13365:2011; EN ISO 13365:2011)  
Leather – Chemical tests – Determination of the preservative (TCMTB, PCMC, OPP, OIT) content in leather by liquid chromatography (ISO 13365:2011; EN ISO 13365:2011)  
- zamijenjena s: HRN EN ISO 13365-1:2020,  
HRN EN ISO 13365-2:2020

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

HRN EN 1789:2015 en  
Medicinska vozila i njihova oprema – Cestovna medicinska vozila (EN 1789:2007+A2:2014)  
Medical vehicles and their equipment – Road ambulances (EN 1789:2007+A2:2014)  
- zamijenjena s: HRN EN 1789:2020

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

HRN EN 12668-1:2010 en  
Nerazorno ispitivanje – Karakterizacija i provjeravanje opreme za ispitivanje ultrazvukom – 1. dio: Instrumenti (EN 12668-1:2010)  
Non-destructive testing – Characterization and verification of ultrasonic examination equipment – Part 1: Instruments (EN 12668-1:2010)  
- zamijenjena s: HRN EN ISO 22232-1:2020

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

HRS CEN/TS 1852-2:2016 en  
Plastični cijevni sustavi za netlačnu podzemnu odvodnju i kanalizaciju – Polipropilen (PP) – 2. dio: Upute za ocjenu sukladnosti (CEN/TS 1852-2:2015)  
Plastics piping systems for non-pressure underground drainage and sewerage – Polypropylene (PP) – Part 2: Guidance for the assessment of conformity (CEN/TS 1852-2:2015)  
- zamijenjena s: HRS CEN/TS 1852-2:2020

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

HRN EN ISO 13161:2015 en  
Kvaliteta vode – Mjerenje koncentracije aktivnosti polonija-210 u vodi alfa-spektrometrijom (ISO 13161:2011; EN ISO 13161:2015)  
Water quality – Measurement of polonium 210 activity concentration in water by alpha spectrometry (ISO 13161:2011; EN ISO 13161:2015)  
- zamijenjena s: HRN EN ISO 13161:2020

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

HRN EN 14614:2005 en  
Kakvoća vode – Savjetodavna norma za određivanje hidromorfoloških obilježja rijeka (EN 14614:2004)  
Water Quality – Guidance standard for assessing the hydromorphological features of rivers (EN 14614:2004)  
- zamijenjena s: HRN EN 14614:2020

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

HRN EN ISO 14050:2010 hr,en-en,fr,ru  
Upravljanje okolišem – Rječnik (ISO 14050:2009; EN ISO 14050:2010)  
Environmental management – Vocabulary (ISO 14050:2009; EN ISO 14050:2010)  
- zamijenjena s: HRN EN ISO 14050:2020

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

HRN EN 1064:2008 en  
Medicinska informatika – Komunikacijski protokol – Računalno podržana elektrokardiografija (EN 1064:2005+A1:2007)  
Health informatics – Standard communication protocol – Computer-assisted electrocardiography (EN 1064:2005+A1:2007)  
- zamijenjena s: HRN EN 1064:2020

## **HZN/TO 218, Drvo**

HRN EN 73:2014 en  
Sredstva za zaštitu drva – Ubrzano starenje tretiranog drva prije ispitivanja biološkim agensima – Postupak starenja evaporacijom (EN 73:2014)  
Wood preservatives – Accelerated ageing of treated wood prior to biological testing – Evaporative ageing procedure (EN 73:2014)  
- zamijenjena s: HRN EN 73:2020

HRN EN 84:2008 en  
Sredstva za zaštitu drva – Ubrzano starenje tretiranog drva prije biološkog testiranja – Postupak ispiranja (EN 84:1997)  
Wood preservatives – Accelerated ageing of treated wood prior to biological testing – Leaching procedure (EN 84:1997)  
- zamijenjena s: HRN EN 84:2020

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

HRN EN 10270-3:2012 en  
Čelična žica za opruge – 3. dio: Nehrđajuća čelična žica za opruge (EN 10270-3:2011)  
Steel wire for mechanical springs – Part 3: Stainless spring steel wire (EN 10270-3:2011)  
- zamijenjena s: HRN EN ISO 6931-1:2020

HRN EN ISO 10275:2014 en  
Metalni materijali – Lim i traka – Određivanje eksponenta očvrnuća pri statičkom vlačnom ispitivanju (ISO 10275:2007; EN ISO 10275:2014)  
Metallic materials – Sheet and strip – Determination of tensile strain hardening exponent (ISO 10275:2007; EN ISO 10275:2014)  
- zamijenjena s: HRN EN ISO 10275:2020

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

HRN EN ISO 11463:2008 en  
Korozija metala i legura – Vrednovanje jamičaste korozije (ISO 11463:1995; EN ISO 11463:2008)  
Corrosion of metals and alloys – Evaluation of pitting corrosion (ISO 11463:1995; EN ISO 11463:2008)  
- zamijenjena s: HRN EN ISO 11463:2020

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

HRN EN ISO 5167-3:2005 en  
Mjerenje protoka fluida u tlačnim cjevovodima kružnoga poprečnog presjeka ugradnjom elemenata na kojima nastaje razlika tlaka – 3. dio: Saprnice i Venturijeve saprnice (ISO 5167-3:2003; EN ISO 5167-3:2003)  
Measurement of fluid flow by means of pressure differential devices inserted in circular cross-section conduits running full – Part 3: Nozzles and Venturi nozzles (ISO 5167-3:2003; EN ISO 5167-3:2003)  
- zamijenjena s: HRN EN ISO 5167-3:2020

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

HRN EN 15722:2015 en  
Inteligentni transportni sustavi – Elektronička sigurnost – Najmanji skup podataka za elektroničke hitne pozive iz vozila (EN 15722:2015)  
Intelligent transport systems – ESafety – ECall minimum set of data (EN 15722:2015)  
- zamijenjena s: HRN EN 15722:2020

HRS CEN ISO/TS 19299:2016 en  
Elektronička naplata – Sigurnosni okvir (ISO/TS 19299:2015; CEN ISO/TS 19299:2015)  
Electronic fee collection – Security framework (ISO/TS 19299:2015; CEN ISO/TS 19299:2015)  
- zamijenjena s: HRN EN ISO 19299:2020

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

HRN EN 13260:2011 en  
Željeznički sustav – Osovinski sklopovi i okretna postolja – Osovinski sklopovi – Zahtjevi za proizvod (EN 13260:2009+A1:2010)  
Railway applications – Wheelsets and bogies – Wheelsets – Product requirements (EN 13260:2009+A1:2010)  
- zamijenjena s: HRN EN 13260:2020

HRN EN 13261:2011 en  
Željeznički sustav – Osovinski sklopovi i okretna postolja – Osovine – Zahtjevi za proizvod (EN 13261:2009+A1:2010)  
Railway applications – Wheelsets and bogies – Axles – Product requirements (EN 13261:2009+A1:2010)  
- zamijenjena s: HRN EN 13261:2020

HRN EN 13262:2011 en  
Željeznički sustav – Osovinski sklopovi i okretna postolja – Kotači – Zahtjevi za proizvod (EN 13262:2004+A2:2011)  
Railway applications – Wheelsets and bogies – Wheels – Product requirements (EN 13262:2004+A2:2011)  
- zamijenjena s: HRN EN 13262:2020

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

HRN EN ISO 3949:2018 en  
Plastična crijeva i crijevni sklopovi – Tekstilom ojačane vrste za hidraulične primjene – Specifikacija (ISO 3949:2018; EN ISO 3949:2018)  
Plastics hoses and hose assemblies – Textile-reinforced types for hydraulic applications – Specification (ISO 3949:2018; EN ISO 3949:2018)  
- zamijenjena s: HRN EN ISO 3949:2020

HRN EN ISO 10350-2:2011 en  
Plastika – Dobivanje i predstavljanje usporedivih pojedinačnih podataka – 2. dio: Plastika ojačana dugim vlaknima (ISO 10350-2:2011; EN ISO 10350-2:2011)  
Plastics – Acquisition and presentation of comparable single-point data – Part 2: Long-fibre-reinforced plastics (ISO 10350-2:2011; EN ISO 10350-2:2011)  
- zamijenjena s: HRN EN ISO 10350-2:2020

HRN EN 12608-1:2016 en  
Profili od neomekšanog poli(vinil-klorida) (PVC-U) za izradu prozora i vrata – Razredba, zahtjevi i metode ispitivanja – 1. dio: Nezaštićeni PVC-U profili svijetlih površina (EN 12608-1:2016)  
Unplasticized poly(vinyl chloride) (PVC-U) profiles for the fabrication of windows and doors – Classification, requirements and test methods – Part 1: Non-coated PVC-U profiles with light coloured surfaces (EN 12608-1:2016)  
- zamijenjena s: HRN EN 12608-1:2020

HRN EN 13067:2012 en  
Zavarivači plastike – Kvalifikacijsko ispitivanje zavarivača – Plastomerni zavareni sklopovi (EN 13067:2012)  
Plastics welding personnel – Qualification testing of welders – Thermoplastics welded assemblies (EN 13067:2012)  
- zamijenjena s: HRN EN 13067:2020



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

HRN EN 12046-1:2005 en  
Sile otvaranja i zatvaranja – Ispitne metode – 1. dio: Prozori (EN 12046-1:2003)  
Operating forces – Test method – Part 1: Windows (EN 12046-1:2003)  
- zamijenjena s: HRN EN 12046-1:2020

HRN EN 13115:2001 en  
Prozori – Razredba mehaničkih svojstava – Vertikalno opterećenje, torzija i sile otvaranja i zatvaranja (EN 13115:2001)  
Windows – Classification of mechanical properties – Racking, torsion and operating forces (EN 13115:2001)  
- zamijenjena s: HRN EN 13115:2020

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

HRN EN ISO 128-20:2003 en  
Tehnički crteži – Opća načela prikazivanja – 20. dio: Osnovne konvencije o crtama (ISO 128-20:1996; EN ISO 128-20:2001)  
Technical drawings – General principles of presentation – Part 20: Basic conventions for lines (ISO 128-20:1996; EN ISO 128-20:2001)  
- zamijenjena s: HRN EN ISO 128-2:2020

HRN EN ISO 128-21:2003 en  
Tehnički crteži – Opća načela prikazivanja – 21. dio: Priprema crta u CAD sustavima (ISO 128-21:1997; EN ISO 128-21:2001)  
Technical drawings – General principles of presentation – Part 21: Preparation of lines by CAD systems (ISO 128-21:1997; EN ISO 128-21:2001)  
- zamijenjena s: HRN EN ISO 128-2:2020

## **HZN/TO 543, Poštanske usluge**

HRN EN 13850:2013 hr-en  
Poštanske usluge – Kvaliteta usluga – Mjerenje vremena prijenosa pojedinačne prioritetne pošiljke od prijama do uručjenja (EN 13850:2012)  
Postal Services – Quality of Services – Measurement of the transit time of end-to-end services for single piece priority mail and first class mail (EN 13850:2012)  
- zamijenjena s: HRN EN 13850:2020

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

HRN EN ISO 14155:2011 en  
Klinička ispitivanja medicinskih sredstava za ljude – Dobra klinička praksa (ISO 14155:2011; EN ISO 14155:2011)  
Clinical investigation of medical devices for human subjects – Good clinical practice (ISO 14155:2011; EN ISO 14155:2011)  
- zamijenjena s: HRN EN ISO 14155:2020

HRN EN ISO 14155:2011/Ispr.1:2016 en  
Klinička ispitivanja medicinskih sredstava za ljude – Dobra klinička praksa (ISO 14155:2011/Cor 1:2011; EN ISO 14155:2011/AC:2011)  
Clinical investigation of medical devices for human subjects – Good clinical practice (ISO 14155:2011/Cor 1:2011; EN ISO 14155:2011/AC:2011)  
- zamijenjena s: HRN EN ISO 14155:2020

HRN EN ISO 14698-1:2006 en  
Čisti prostori i odgovarajući kontrolirani okoliš – Kontrola zagađenja biološkim materijalom – 1. dio: Osnovna načela i metode (ISO 14698-1:2003; EN ISO 14698-1:2003)  
Cleanrooms and associated controlled environments – Biocontamination control – Part 1: General principles and methods (ISO 14698-1:2003; EN ISO 14698-1:2003)  
- zamijenjena s: HRN EN 17141:2020

HRN EN ISO 14698-2/AC:2007 en  
Čisti prostori i odgovarajući kontrolirani okoliš – Kontrola zagađenja biološkim materijalom – 2. dio: Ocjena i tumačenje podataka o zagađenju biološkim materijalom (ISO 14698-2:2003/Cor1:2004; EN ISO 14698-2:2003/AC:2006)  
Cleanrooms and associated controlled environments – Biocontamination control – Part 2: Evaluation and interpretation of biocontamination data (ISO 14698-2:2003/Cor1:2004; EN ISO 14698-2:2003/AC:2006)  
- zamijenjena s: HRN EN 17141:2020

HRN EN ISO 14698-2:2006 en  
Čisti prostori i odgovarajući kontrolirani okoliš – Kontrola zagađenja biološkim materijalom – 2. dio: Ocjena i tumačenje podataka o zagađenju biološkim materijalom (ISO 14698-2:2003; EN ISO 14698-2:2003)  
Cleanrooms and associated controlled environments – Biocontamination control – Part 2: Evaluation and interpretation of biocontamination data (ISO 14698-2:2003; EN ISO 14698-2:2003)  
- zamijenjena s: HRN EN 17141:2020

## **HZN/TO 557, Zaštitna odjeća**

HRN EN 1150:2001 en  
Zaštitna odjeća – Odjeća uočljiva s velike udaljenosti za neprofesionalnu uporabu – Ispitne metode i zahtjevi (EN 1150:1999)  
Protective clothing – Visibility clothing for non-professional use – Test methods and requirements (EN 1150:1999)  
- zamijenjena s: HRN EN 17353:2020

HRN EN ISO 12402-2:2007 en  
Osobne plutajuće naprave – 2. dio: Prsluci za spašavanje, razina svojstva 275 – Sigurnosni zahtjevi (ISO 12402-2:2006; EN ISO 12402-2:2006)  
Personal flotation devices – Part 2: Lifejackets, performance level 275 – Safety requirements (ISO 12402-2:2006; EN ISO 12402-2:2006)  
- zamijenjena s: HRN EN ISO 12402-2:2020

HRN EN ISO 12402-2:2007/A1:2010 en  
Osobne plutajuće naprave – 2. dio: Prsluci za spašavanje, razina svojstva 275 – Sigurnosni zahtjevi – Amandman 1 (ISO 12402-2:2006/Amd 1:2010; EN ISO 12402-2:2006/A1:2010)  
Personal flotation devices – Part 2: Lifejackets, performance level 275 – Safety requirements – Amendment 1 (ISO 12402-2:2006/Amd 1:2010; EN ISO 12402-2:2006/A1:2010)  
- zamijenjena s: HRN EN ISO 12402-2:2020

HRN EN ISO 12402-3:2007 en  
Osobne plutajuće naprave – 3. dio: Prsluci za spašavanje, razina svojstva 150 – Sigurnosni zahtjevi (ISO 12402-3:2006; EN ISO 12402-3:2006)  
Personal flotation devices – Part 3: Lifejackets, performance level 150 – Safety requirements (ISO 12402-3:2006; EN ISO 12402-3:2006)  
- zamijenjena s: HRN EN ISO 12402-3:2020

HRN EN ISO 12402-3:2007/A1:2010 en  
Osobne plutajuće naprave – 3. dio: Prsluci za spašavanje, razina svojstva 150 – Sigurnosni zahtjevi – Amandman 1 (ISO 12402-3:2006/Amd 1:2010; EN ISO 12402-3:2006/A1:2010)  
Personal flotation devices – Part 3: Lifejackets, performance level 150 – Safety requirements – Amendment 1 (ISO 12402-3:2006/Amd 1:2010; EN ISO 12402-3:2006/A1:2010)  
- bez zamjene

HRN EN ISO 12402-4:2007 en  
Osobne plutajuće naprave – 4. dio: Prsluci za spašavanje, razina svojstva 100 – Sigurnosni zahtjevi (ISO 12402-4:2006; EN ISO 12402-4:2006)  
Personal flotation devices – Part 4: Lifejackets, performance level 100 – Safety requirements (ISO 12402-4:2006; EN ISO 12402-4:2006)  
- zamijenjena s: HRN EN ISO 12402-4:2020

HRN EN ISO 12402-4:2007/A1:2010 en  
Osobne plutajuće naprave – 4. dio: Prsluci za spašavanje, razina svojstva 100 – Sigurnosni zahtjevi – Amandman 1 (ISO 12402-4:2006/Amd 1:2010; EN ISO 12402-4:2006/A1:2010)  
Personal flotation devices – Part 4: Lifejackets, performance level 100 – Safety requirements – Amendment 1 (ISO 12402-4:2006/Amd 1:2010; EN ISO 12402-4:2006/A1:2010)  
- zamijenjena s: HRN EN ISO 12402-4:2020

HRN EN ISO 12402-5:2007 en  
Osobne plutajuće naprave – 5. dio: Plutajuća pomagala (razina 50) – Sigurnosni zahtjevi (ISO 12402-5:2006+Cor. 1:2006; EN ISO 12402-5:2006+AC:2006)  
Personal flotation devices – Part 5: Buoyancy aids (level 50) – Safety requirements (ISO 12402-5:2006+Cor. 1:2006; EN ISO 12402-5:2006+AC:2006)  
- zamijenjena s: HRN EN ISO 12402-5:2020



HRN EN ISO 12402-5:2007/A1:2010 en

Osobne plutajuće naprave – 5. dio: Plutajuća pomagala (razina 50) – Sigurnosni zahtjevi – Amandman 1 (ISO 12402-5:2006/Amd 1:2010; EN ISO 12402-5:2006/A1:2010)  
Personal flotation devices – Part 5: Buoyancy aids (level 50) – Safety requirements – Amendment 1 (ISO 12402-5:2006/Amd 1:2010; EN ISO 12402-5:2006/A1:2010)  
- zamijenjena s: HRN EN ISO 12402-5:2020

HRN EN ISO 12402-6:2007 en

Osobne plutajuće naprave – 6. dio: Posebni prsluci za spašavanje i plutajuća pomagala – Sigurnosni zahtjevi i dodatne ispitne metode (ISO 12402-6:2006; EN ISO 12402-6:2006)  
Personal flotation devices – Part 6: Special purpose lifejackets and buoyancy aids – Safety requirements and additional test methods (ISO 12402-6:2006; EN ISO 12402-6:2006)  
- zamijenjena s: HRN EN ISO 12402-6:2020

HRN EN ISO 12402-6:2007/A1:2010 en

Osobne plutajuće naprave – 6. dio: Posebni prsluci za spašavanje i plutajuća pomagala – Sigurnosni zahtjevi i dodatne ispitne metode – Amandman 1 (ISO 12402-6:2006/Amd 1:2010; EN ISO 12402-6:2006/A1:2010)  
Personal flotation devices – Part 6: Special purpose lifejackets and buoyancy aids – Safety requirements and additional test methods – Amendment 1 (ISO 12402-6:2006/Amd 1:2010; EN ISO 12402-6:2006/A1:2010)  
- zamijenjena s: HRN EN ISO 12402-6:2020

HRN EN ISO 12402-8:2007 en

Osobne plutajuće naprave – 8. dio: Pribor – Sigurnosni zahtjevi i ispitne metode (ISO 12402-8:2006; EN ISO 12402-8:2006)  
Personal flotation devices – Part 8: Accessories – Safety requirements and test methods (ISO 12402-8:2006; EN ISO 12402-8:2006)  
- zamijenjena s: HRN EN ISO 12402-8:2020

HRN EN ISO 12402-8:2007/A1:2011 en

Osobne plutajuće naprave – 8. dio: Pribor – Sigurnosni zahtjevi i ispitne metode – Amandman 1 (ISO 12402-8:2006/Amd 1:2011; EN ISO 12402-8:2006/A1:2011)  
Personal flotation devices – Part 8: Accessories – Safety requirements and test methods – Amendment 1 (ISO 12402-8:2006/Amd 1:2011; EN ISO 12402-8:2006/A1:2011)  
- zamijenjena s: HRN EN ISO 12402-8:2020

HRN EN ISO 12402-9:2007 en

Osobne plutajuće naprave – 9. dio: Ispitne metode (ISO 12402-9:2006; EN ISO 12402-9:2006)  
Personal flotation devices – Part 9: Test methods (ISO 12402-9:2006; EN ISO 12402-9:2006)  
- zamijenjena s: HRN EN ISO 12402-9:2020

HRN EN ISO 12402-9:2007/A1:2011 en

Osobne plutajuće naprave – 9. dio: Ispitne metode – Amandman 1 (ISO 12402-9:2006/Amd 1:2011; EN ISO 12402-9:2006/A1:2011)  
Personal flotation devices – Part 9: Test methods – Amendment 1 (ISO 12402-9:2006/Amd 1:2011; EN ISO 12402-9:2006/A1:2011)  
- zamijenjena s: HRN EN ISO 12402-9:2020

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

HRN EN 12542:2010 en

Oprema i pribor za UNP – Stabilni, zavareni čelični cilindrični spremnici, serijski proizvedeni za skladištenje ukapljenog naftnog plina (UNP) volumena do 13 m<sup>3</sup> – Projektiranje i proizvodnja (EN 12542:2010)  
LPG equipment and accessories – Static welded steel cylindrical tanks, serially produced for the storage of Liquefied Petroleum Gas (LPG) having a volume not greater than 13 m<sup>3</sup> – Design and manufacture (EN 12542:2010)  
- zamijenjena s: HRN EN 12542:2020

HRN EN ISO 17871:2015 en

Plinske boce – Brzootvarajući ventili – Specifikacija i ispitivanje tipa (ISO 17871:2015; EN ISO 17871:2015)  
Gas cylinders – Quick opening valves – Specification and type testing (ISO 17871:2015; EN ISO 17871:2015)  
- zamijenjena s: HRN EN ISO 17871:2020

HRN EN ISO 17871:2015/A1:2018 en

Plinske boce – Brzootvarajući ventili – Specifikacija i ispitivanje tipa (ISO 17871:2015/Amd 1:2018; EN ISO 17871:2015/A1:2018)  
Gas cylinders – Quick-release cylinder valves – Specification and type testing (ISO 17871:2015/Amd 1:2018; EN ISO 17871:2015/A1:2018)  
- zamijenjena s: HRN EN ISO 17871:2020

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

HRN EN 13834:2011 en

Posuđe za kuhanje hrane – Posuđe za pećnice u kućanstvu (EN 13834:2007+A1:2009)  
Cookware – Ovenware for use in traditional domestic ovens (EN 13834:2007+A1:2009)  
- zamijenjena s: HRN EN 13834:2020

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

HRN EN 15308:2016 en

Karakterizacija otpada – Određivanje odabranih polikloriranih bifenila (PCB) u krutom otpadu uporabom plinske kromatografije sa zahtovom elektrona ili spektrometrijom masa (EN 15308:2016)  
Characterization of waste – Determination of selected polychlorinated biphenyls (PCB) in solid waste by gas chromatography with electron capture or mass spectrometric detection (EN 15308:2016)  
- zamijenjena s: HRN EN 17322:2020

HRN EN 16167:2019 en

Tlo, obrađeni biootpad i mulj – Određivanje polikloriranih bifenila (PCB) metodom plinske kromatografije-spektrometrije masa (GC-MS) i plinskom kromatografijom s detektorom zahvata elektrona (GC-ECD) (EN 16167:2018+AC:2019)  
Soil, treated biowaste and sludge – Determination of polychlorinated biphenyls (PCB) by gas chromatography with mass selective detection (GC-MS) and gas chromatography with electron-capture detection (GC-ECD) (EN 16167:2018+AC:2019)  
- zamijenjena s: HRN EN 17322:2020

### **HZN/TO E55, *Žice za namote***

HRN EN 60172:2001 en

Ispitni postupak određivanja indeksa temperature lakirane žice za namote (IEC 60172:1987+A1:1997; EN 60172:1994+A1:1998)  
Test procedure for the determination of the temperature index of enamelled winding wires (IEC 60172:1987+A1:1997; EN 60172:1994+A1:1998)  
- zamijenjena s: HRN EN 60172:2015

HRN EN 60172:2001/A2:2013 en

Ispitni postupak određivanja indeksa temperature lakirane žice za namote (IEC 60172:1987/am2:2010; EN 60172:1994/A2:2010)  
Test procedure for the determination of the temperature index of enamelled winding wires (IEC 60172:1987/am2:2010; EN 60172:1994/A2:2010)  
- zamijenjena s: HRN EN 60172:2015

HRN EN 60317-0-4:2001 en

Specifikacije pojedinih vrsta žica za namote – Dio 0-4: Opći zahtjevi – Nelakirana ili lakirana profilna bakrena žica omotana staklenim vlaknima i impregnirana smolom ili lakom (IEC 60317-0-4:1997+A1:1999; EN 60317-0-4:1998+A1:2000)  
Specifications for particular types of winding wires – Part 0-4: General requirements – Glass-fibre wound resin or varnish impregnated, bare or enamelled rectangular copper wire (IEC 60317-0-4:1997+A1:1999; EN 60317-0-4:1998+A1:2000)  
- zamijenjena s: HRN EN 60317-0-4:2016

HRN EN 60317-0-4:2001/A2:2008 en

Specifikacije pojedinih vrsta žica za namote – Dio 0-4: Opći zahtjevi – Nelakirana ili lakirana profilna bakrena žica omotana staklenim vlaknima i impregnirana smolom ili lakom (IEC 60317-0-4:1997/am2:2005; EN 60317-0-4:1998/A2:2005)  
Specifications for particular types of winding wires – Part 0-4: General requirements – Glass-fibre wound, resin or varnish impregnated, bare or enamelled rectangular copper wire (IEC 60317-0-4:1997/am2:2005; EN 60317-0-4:1998/A2:2005)  
- zamijenjena s: HRN EN 60317-0-4:2016

- HRN EN 60317-31:2001 en  
 Specifikacije pojedinih vrsta žica za namote – 31. dio: Nelakirana ili lakirana profilna bakrena žica, omotana staklenim vlaknima i impregirana smolom ili lakom, indeksa temperature 180 (IEC 60317-31:1990+A1:1997; EN 60317-31:1996+A1:1997)  
 Specifications for particular types of winding wires – Part 31: Glass-fibre wound resin or varnish impregnated, bare or enamelled rectangular copper wire, temperature index 180 (IEC 60317-31:1990+A1:1997; EN 60317-31:1996+A1:1997)  
 - zamijenjena s: HRN EN 60317-31:2016
- HRN EN 60317-31:2001/A2:2008 en  
 Specifikacije pojedinih vrsta žica za namote – 31. dio: Nelakirana ili lakirana profilna bakrena žica, omotana staklenim vlaknima i impregirana smolom ili lakom, indeksa temperature 180 (IEC 60317-31:1990/am2:2005; EN 60317-31:1996/A2:2005)  
 Specifications for particular types of winding wires – Part 31: Glass-fibre wound resin or varnish impregnated, bare or enamelled rectangular copper wire, temperature index 180 (IEC 60317-31:1990/am2:2005; EN 60317-31:1996/A2:2005)  
 - zamijenjena s: HRN EN 60317-31:2016
- HRN EN 60317-32:2001 en  
 Specifikacije pojedinih vrsta žica za namote – 32. dio: Nelakirana ili lakirana profilna bakrena žica, omotana staklenim vlaknima i impregirana smolom ili lakom, indeksa temperature 155 (IEC 60317-32:1990+A1:1997; EN 60317-32:1996+A1:1997)  
 Specifications for particular types of winding wires – Part 32: Glass-fibre wound, resin or varnish impregnated, bare or enamelled rectangular copper wire, temperature index 155 (IEC 60317-32:1990+A1:1997; EN 60317-32:1996+A1:1997)  
 - zamijenjena s: HRN EN 60317-32:2016
- HRN EN 60317-32:2001/A2:2008 en  
 Specifikacije pojedinih vrsta žica za namote – 32. dio: Nelakirana ili lakirana profilna bakrena žica, omotana staklenim vlaknima i impregirana smolom ili lakom, indeksa temperature 155 (IEC 60317-32:1990/am2:2005; EN 60317-32:1996/A2:2005)  
 Specifications for particular types of winding wires – Part 32: Glass-fibre wound, resin or varnish impregnated, bare or enamelled rectangular copper wire, temperature index 155 (IEC 60317-32:1990/am2:2005; EN 60317-32:1996/A2:2005)  
 - zamijenjena s: HRN EN 60317-32:2016
- HRN EN 60317-33:2001 en  
 Specifikacije pojedinih vrsta žica za namote – 33. dio: Nelakirana ili lakirana profilna bakrena žica, omotana staklenim vlaknima i impregirana smolom ili lakom, indeksa temperature 200 (IEC 60317-33:1990+A1:1997; EN 60317-33:1996+A1:1997)  
 Specifications for particular types of winding wires – Part 33: Glass-fibre wound resin or varnish impregnated, bare or enamelled rectangular copper wire, temperature index 200 (IEC 60317-33:1990+A1:1997; EN 60317-33:1996+A1:1997)  
 - zamijenjena s: HRN EN 60317-33:2016
- HRN EN 60317-33:2001/A2:2008 en  
 Specifikacije pojedinih vrsta žica za namote – 33. dio: Nelakirana ili lakirana profilna bakrena žica, omotana staklenim vlaknima i impregirana smolom ili lakom, indeksa temperature 200 (IEC 60317-33:1990/am2:2005; EN 60317-33:1996/A2:2005)  
 Specifications for particular types of winding wires – Part 33: Glass-fibre wound, resin or varnish impregnated, bare or enamelled rectangular copper wire, temperature index 200 (IEC 60317-33:1990/am2:2005; EN 60317-33:1996/A2:2005)  
 - zamijenjena s: HRN EN 60317-33:2016
- HRN EN 60317-39:2001 en  
 Specifikacije pojedinih vrsta žica za namote – 39. dio: Nelakirana ili lakirana profilna bakrena žica, opletena staklenim vlaknima i impregirana smolom ili lakom, indeksa temperature 180 (IEC 60317-39:1992+A1:1997; EN 60317-39:1994+A1:1998)  
 Specifications for particular types of winding wires – Part 39: Glass-fibre braided resin or varnish impregnated, bare or enamelled rectangular copper wire, temperature index 180 (IEC 60317-39:1992+A1:1997; EN 60317-39:1994+A1:1998)  
 - zamijenjena s: HRN EN 60317-39:2016
- HRN EN 60317-39:2001/A2:2008 en  
 Specifikacije pojedinih vrsta žica za namote – 39. dio: Nelakirana ili lakirana profilna bakrena žica, opletena staklenim vlaknima i impregirana smolom ili lakom, indeksa temperature 180 (IEC 60317-39:1992/am2:2005; EN 60317-39:1994/A2:2005)  
 Specifications for particular types of winding wires – Part 39: Glass-fibre braided, resin or varnish impregnated, bare or enamelled rectangular copper wire, temperature index 180 (IEC 60317-39:1992/am2:2005; EN 60317-39:1994/A2:2005)  
 - zamijenjena s: HRN EN 60317-39:2016
- HRN EN 60317-40:2001 en  
 Specifikacije pojedinih vrsta žica za namote – 40. dio: Nelakirana ili lakirana profilna bakrena žica, opletena staklenim vlaknima i impregirana smolom ili lakom, indeksa temperature 200 (IEC 60317-40:1992+A1:1997; EN 60317-40:1994+A1:1998)  
 Specifications for particular types of winding wires – Part 40: Glass-fibre braided resin or varnish impregnated, bare or enamelled rectangular copper wire, temperature index 200 (IEC 60317-40:1992+A1:1997; EN 60317-40:1994+A1:1998)  
 - zamijenjena s: HRN EN 60317-40:2015
- HRN EN 60317-40:2001/A2:2008 en  
 Specifikacije pojedinih vrsta žica za namote – 40. dio: Nelakirana ili lakirana profilna bakrena žica, opletena staklenim vlaknima i impregirana smolom ili lakom, indeksa temperature 200 (IEC 60317-40:1992/am2:2005; EN 60317-40:1994/A2:2005)  
 Specifications for particular types of winding wires – Part 40: Glass-fibre braided, resin or varnish impregnated, bare or enamelled rectangular copper wire, temperature index 200 (IEC 60317-40:1992/am2:2005; EN 60317-40:1994/A2:2005)  
 - zamijenjena s: HRN EN 60317-40:2015
- HRN EN 60317-52:2001 en  
 Specifikacije pojedinih vrsta žica za namote – 52. dio: Okrugla bakrena lakirana žica, omotana trakama od aromatskog poliamida (aramida), razreda 220 (IEC 60317-52:1999; EN 60317-52:1999)  
 Specifications for particular types of winding wires – Part 52: Aromatic polyamide (aramid) tape wrapped round copper wire, temperature index 220 (IEC 60317-52:1999; EN 60317-52:1999)  
 - zamijenjena s: HRN EN 60317-52:2014
- HRN EN 60317-53:2001 en  
 Specifikacije pojedinih vrsta žica za namote – 53. dio: Profilna bakrena lakirana žica, omotana trakama od aromatskog poliamida (aramida), razreda 220 (IEC 60317-53:1999; EN 60317-53:1999)  
 Specifications for particular types of winding wires – Part 53: Aromatic polyamide (aramid) tape wrapped rectangular copper wire, temperature index 220 (IEC 60317-53:1999; EN 60317-53:1999)  
 - zamijenjena s: HRN EN 60317-53:2014
- HRN EN 60851-4:2001 en  
 Žice za namote – Ispitne metode – 4. dio: Kemijska svojstva (IEC 60851-4:1996+A1:1997; EN 60851-4:1996+A1:1997)  
 Winding wires – Test methods – Part 4: Chemical properties (IEC 60851-4:1996+A1:1997; EN 60851-4:1996+A1:1997)  
 - zamijenjena s: HRN EN 60851-4:2016
- HRN EN 60851-4:2001/A2:2008 en  
 Žice za namote – Ispitne metode – 4. dio: Kemijska svojstva (IEC 60851-4:1996/am2:2005; EN 60851-4:1996/A2:2005)  
 Winding wires – Test methods – Part 4: Chemical properties (IEC 60851-4:1996/am2:2005; EN 60851-4:1996/A2:2005)  
 - zamijenjena s: HRN EN 60851-4:2016

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

- HRN IEC 60263:2000 en  
 Ljestvice i mjere za crtanje frekvencijskih značajka i polarnih dijagrama (IEC 60263:1982)  
 Scales and sizes for plotting frequency characteristics and polar diagrams (IEC 60263:1982)  
 - zamijenjena s: HRN EN IEC 60263:2020

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

HRN EN ISO 4625-1:2008 en  
Veziva za boje i lakove – Određivanje točke razmekšanja – 1. dio: Metoda prstena i kuglice (ISO 4625-1:2004; EN ISO 4625-1:2006)  
Binders for paints and varnishes – Determination of softening point – Part 1: Ring-and-ball method (ISO 4625-1:2004; EN ISO 4625-1:2006)  
- zamijenjena s: HRN EN ISO 4625-1:2020

HRN EN ISO 8502-9:2004 en  
Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Ispitivanja za procjenu čistoće površine – 9. dio: Terenska metoda konduktometrijskog određivanja soli topljivih u vodi (ISO 8502-9:1998; EN ISO 8502-9:2000)  
Preparation of steel substrates before application of paints and related products – Tests for the assessment of surface cleanliness – Part 9: Field method for the conductometric determination of water soluble-salts (ISO 8502-9:1998; EN ISO 8502-9:2000)  
- zamijenjena s: HRN EN ISO 8502-9:2020

## HZN/TU I1, *Strojarstvo 1*

HRN EN 16486:2015 en  
Strojevi za zbijanje otpada ili recikliranih frakcija – Zbijači – Sigurnosni zahtjevi (EN 16486:2014)  
Machines for compacting waste materials or recyclable fractions – Compactors – Safety requirements (EN 16486:2014)  
- zamijenjena s: HRN EN 16486:2020

## HZN/TU I2, *Strojarstvo 2*

HRN EN 12514-1:2004 en  
Uljne instalacije za opskrbljivanje uljnih plamenika – 1. dio: Sigurnosni zahtjevi i ispitivanja – Sastavni dijelovi, uljne crpke, regulacijski i sigurnosni uređaji, spremnici za loživo ulje (EN 12514-1:2000)  
Installations for oil supply systems for oil burners – Part 1: Safety requirements and tests – Parts, oil feed pumps, control and safety devices, supply tanks (EN 12514-1:2000)  
- zamijenjena s: HRN EN 12514:2020

HRN EN 12514-2:2004 en  
Uljne instalacije za opskrbljivanje uljnih plamenika – 2. dio: Sigurnosni zahtjevi i ispitivanja – Sastavni dijelovi, armatura, uljni vodovi, pročistači, odvajajući zraka, mjerači protoka (EN 12514-2:2000)  
Installations for oil supply systems for oil burners – Part 2: Safety requirements and tests – Parts, valves, pipes, filters, oil de-aerators, meters (EN 12514-2:2000)  
- zamijenjena s: HRN EN 12514:2020

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

HRN EN 16307-1:2015 en  
Industrijski kamioni – Sigurnosni zahtjevi i potvrđivanje – 1. dio: Dodatni zahtjevi za industrijske kamione s vlastitim pogonom osim kamiona bez vozača, kaminona različitoga dometa i teretnih kamiona (EN 16307-1:2013+A1:2015)  
Industrial trucks – Safety requirements and verification – Part 1: Supplementary requirements for self-propelled industrial trucks, other than driverless trucks, variable-reach trucks and burden-carrier trucks (EN 16307-1:2013+A1:2015)  
- zamijenjena s: HRN EN 16307-1:2020

HRN EN 16602-60-14:2014 en  
Osiguravanje kvalitete proizvoda za upotrebu u svemiru – Postupak obnove – EEE dijelovi (EN 16602-60-14:2014)  
Space product assurance – Relifing procedure – EEE components (EN 16602-60-14:2014)  
- zamijenjena s: HRN EN 16602-60-14:2020

HRN EN 16603-20-06:2014 en  
Svemirsko inženjerstvo – Električna punjenja i pražnjenja svemirskih letjelica (EN 16603-20-06:2014)  
Space engineering – Spacecraft charging (EN 16603-20-06:2014)  
- zamijenjena s: HRN EN 16603-20-06:2020

HRN EN 16603-60-20:2014 en  
Svemirsko inženjerstvo – Nazivlje i tehničke značajke senzora za zvijezde (EN 16603-60-20:2014)  
Space engineering – Star sensor terminology and performance specification (EN 16603-60-20:2014)  
- zamijenjena s: HRN EN 16603-60-20:2020

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

#### • umjesto

HRN EN ISO 7932:2005/A1:2020  
Mikrobiologija hrane i hrane za životinje – Horizontalna metoda za brojenje *Bacillus cereus* – Tehnika brojenja kolonija pri 30 °C – Amandman 1: Provođenje dodatnih ispitivanja (ISO 7932:2004/Amd 1:2020; **ispravljena verzija 2020-05**; EN ISO 7932:2004/A1:2020)  
Microbiology of food and animal feeding stuffs – Horizontal method for the enumeration of presumptive *Bacillus cereus* – Colony-count technique at 30 degrees C – Amendment 1: Inclusion of optional tests (ISO 7932:2004/Amd 1:2020, **Corrected version 2020-05**; EN ISO 7932:2004/A1:2020)

#### • treba biti

HRN EN ISO 7932:2005/A1:2020  
Mikrobiologija hrane i hrane za životinje – Horizontalna metoda za brojenje *Bacillus cereus* – Tehnika brojenja kolonija pri 30 °C – Amandman 1: Provođenje dodatnih ispitivanja (ISO 7932:2004/Amd 1:2020; **ispravljena verzija 2020-08**; EN ISO 7932:2004/A1:2020)  
Microbiology of food and animal feeding stuffs – Horizontal method for the enumeration of presumptive *Bacillus cereus* – Colony-count technique at 30 degrees C – Amendment 1: Inclusion of optional tests (ISO 7932:2004/Amd 1:2020, **Corrected version 2020-08**; EN ISO 7932:2004/A1:2020)

### HZN/TO E70, *Stupnjevi zaštite kućištem*

#### • umjesto

HRN EN 60529:2000  
Stupnjevi zaštite osigurani kućištima (**IP-Code**) (IEC 60529:1989; EN 60529:1991+Corr.1:1993)  
Degrees of protection provided by enclosures (IP-Code) (IEC 60529:1989; EN 60529:1991+Corr.1:1993)

#### • treba biti

HRN EN 60529:2000  
Stupnjevi zaštite osigurani kućištima (**IP kod**) (IEC 60529:1989; EN 60529:1991+Corr.1:1993)  
Degrees of protection provided by enclosures (IP-Code) (IEC 60529:1989; EN 60529:1991+Corr.1:1993)

#### • umjesto

HRN EN 60529:2000/A1:2008  
Stupnjevi zaštite osigurani kućištima (**IP Code**) (IEC 60529:1989/am1:1999; EN 60529:1991/A1:2000)  
Degrees of protection provided by enclosures (IP Code) (IEC 60529:1989/am1:1999; EN 60529:1991/A1:2000)

#### • treba biti

HRN EN 60529:2000/A1:2008  
Stupnjevi zaštite osigurani kućištima (**IP kod**) (IEC 60529:1989/am1:1999; EN 60529:1991/A1:2000)  
Degrees of protection provided by enclosures (IP Code) (IEC 60529:1989/am1:1999; EN 60529:1991/A1:2000)

#### • umjesto

HRN EN 60529:2000/A2:2014  
Stupnjevi zaštite osigurani kućištima (**IP Code**) (IEC 60529:1989/am2:2013; EN 60529:1991/A2:2013)  
Degrees of protection provided by enclosures (IP Code) (IEC 60529:1989/am2:2013; EN 60529:1991/A2:2013)

#### • treba biti

HRN EN 60529:2000/A2:2014  
Stupnjevi zaštite osigurani kućištima (**IP kod**) (IEC 60529:1989/am2:2013; EN 60529:1991/A2:2013)  
Degrees of protection provided by enclosures (IP Code) (IEC 60529:1989/am2:2013; EN 60529:1991/A2:2013)



- **umjesto**

HRN EN 60529:2000/A2:2014/Ispr.1:2019  
Stupnjevi zaštite osigurani kućištima (**IP Code**)  
(IEC 60529:1989/am2:2013/Corr.1:2019;  
EN 60529:1991/A2:2013/AC:2019)  
Degrees of protection provided by enclosures (IP Code)  
(IEC 60529:1989/am2:2013/Corr.1:2019;  
EN 60529:1991/A2:2013/AC:2019)

- **treba biti**

HRN EN 60529:2000/A2:2014/Ispr.1:2019  
Stupnjevi zaštite osigurani kućištima (**IP kod**)  
(IEC 60529:1989/am2:2013/Corr.1:2019;  
EN 60529:1991/A2:2013/AC:2019)  
Degrees of protection provided by enclosures (IP Code)  
(IEC 60529:1989/am2:2013/Corr.1:2019;  
EN 60529:1991/A2:2013/AC:2019)

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

- **umjesto**

HRN EN 303 447 V1.1.1:2017  
Uređaji kratkoga dometa (SRD) – Sustavi sa induktivnom petljom za robotizirane **pokretne uređaje** u frekencijskom području od 0 Hz do 148,5 kHz – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.2 Direktive 2014/53/EU (EN 303 447 V1.1.1:2017)  
Short Range Devices (SRD) – Inductive loop systems for robotic mowers in the frequency range 0 Hz to 148,5 kHz – Harmonised standard covering the essential requirements of article 3.2 of Directive for 2014/53/EU (EN 303 447 V1.1.1:2017)

- **treba biti**

HRN EN 303 447 V1.1.1:2017  
Uređaji kratkoga dometa (SRD) – Sustavi sa induktivnom petljom za robotizirane **uređaje za košnju** u frekencijskom području od 0 Hz do 148,5 kHz – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.2 Direktive 2014/53/EU (EN 303 447 V1.1.1:2017)  
Short Range Devices (SRD) – Inductive loop systems for robotic mowers in the frequency range 0 Hz to 148,5 kHz – Harmonised standard covering the essential requirements of article 3.2 of Directive for 2014/53/EU (EN 303 447 V1.1.1:2017)

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

- **umjesto**

HRN EN 13523-0:2014  
**Metali zaštićeni trakom** – Metode ispitivanja – 0. dio: Opći uvod (EN 13523-0:2014)  
Coil coated metals – Test methods – Part 0: General introduction (EN 13523-0:2014)

- **treba biti**

HRN EN 13523-0:2014  
**Prevučeni metali u namotajima** – Metode ispitivanja – 0. dio: Opći uvod (EN 13523-0:2014)  
Coil coated metals – Test methods – Part 0: General introduction (EN 13523-0:2014)

- **umjesto**

HRN EN 13523-1:2017  
**Metali zaštićeni trakom** – Metode ispitivanja – 1. dio: Debljina sloja (EN 13523-1:2017)  
Coil coated metals – Test methods – Part 1: Film thickness (EN 13523-1:2017)

- **treba biti**

HRN EN 13523-1:2017  
**Prevučeni metali u namotajima** – Metode ispitivanja – 1. dio: Debljina sloja (EN 13523-1:2017)  
Coil coated metals – Test methods – Part 1: Film thickness (EN 13523-1:2017)

- **umjesto**

HRN EN 13523-2:2014  
**Metali zaštićeni trakom** – Metode ispitivanja – 2. dio: Sjajnost (EN 13523-2:2014)  
Coil coated metals – Test methods – Part 2: Gloss (EN 13523-2:2014)

- **treba biti**

HRN EN 13523-2:2014  
**Prevučeni metali u namotajima** – Metode ispitivanja – 2. dio: Sjajnost (EN 13523-2:2014)  
Coil coated metals – Test methods – Part 2: Gloss (EN 13523-2:2014)

- **umjesto**

HRN EN 13523-3:2014  
**Metali zaštićeni trakom** – Metode ispitivanja – 3. dio: Razlika u boji – Usporedba s pomoću instrumenta (EN 13523-3:2014)  
Coil coated metals – Test methods – Part 3: Colour difference – Instrumental comparison (EN 13523-3:2014)

- **treba biti**

HRN EN 13523-3:2014  
**Prevučeni metali u namotajima** – Metode ispitivanja – 3. dio: Razlika u boji – Usporedba s pomoću instrumenta (EN 13523-3:2014)  
Coil coated metals – Test methods – Part 3: Colour difference – Instrumental comparison (EN 13523-3:2014)

- **umjesto**

HRN EN 13523-4:2014  
**Metali zaštićeni trakom** – Metode ispitivanja – 4. dio: Tvrdća ispitana olovkom (EN 13523-4:2014)  
Coil coated metals – Test methods – Part 4: Pencil hardness (EN 13523-4:2014)

- **treba biti**

HRN EN 13523-4:2014  
**Prevučeni metali u namotajima** – Metode ispitivanja – 4. dio: Tvrdća ispitana olovkom (EN 13523-4:2014)  
Coil coated metals – Test methods – Part 4: Pencil hardness (EN 13523-4:2014)

- **umjesto**

HRN EN 13523-5:2014  
**Metali zaštićeni trakom** – Metode ispitivanja – 5. dio: Otpornost na brzu deformaciju (otpornost na udarac) (EN 13523-5:2014)  
Coil coated metals – Test methods – Part 5: Resistance to rapid deformation (impact test) (EN 13523-5:2014)

- **treba biti**

HRN EN 13523-5:2014  
**Prevučeni metali u namotajima** – Metode ispitivanja – 5. dio: Otpornost na brzu deformaciju (otpornost na udarac) (EN 13523-5:2014)  
Coil coated metals – Test methods – Part 5: Resistance to rapid deformation (impact test) (EN 13523-5:2014)

- **umjesto**

HRN EN 13523-6:2020  
**Metali zaštićeni trakom** – Metode ispitivanja – 6. dio: Prionljivost nakon utiskivanja (postupkom izvlačenja) (EN 13523-6:2020)  
Coil coated metals – Test methods – Part 6: Adhesion after indentation (cupping test) (EN 13523-6:2020)

- **treba biti**

HRN EN 13523-6:2020  
**Prevučeni metali u namotajima** – Metode ispitivanja – 6. dio: Prionljivost nakon utiskivanja (postupkom izvlačenja) (EN 13523-6:2020)  
Coil coated metals – Test methods – Part 6: Adhesion after indentation (cupping test) (EN 13523-6:2020)



• **umjesto**  
HRN EN 13523-7:2014  
**Metali zaštićeni trakom** – Metode ispitivanja – 7. dio: Otpornost na pojavu pukotina tijekom savijanja (T- postupak savijanja) (EN 13523-7:2014)  
Coil coated metals – Test methods – Part 7: Resistance to cracking on bending (T-bend test) (EN 13523-7:2014)

• **treba biti**  
HRN EN 13523-7:2014  
**Prevućeni metali u namotajima** – Metode ispitivanja – 7. dio: Otpornost na pojavu pukotina tijekom savijanja (T- postupak savijanja) (EN 13523-7:2014)  
Coil coated metals – Test methods – Part 7: Resistance to cracking on bending (T-bend test) (EN 13523-7:2014)

• **umjesto**  
HRN EN 13523-8:2017  
**Metali zaštićeni trakom** – Metode ispitivanja – 8. dio: Otpornost na slanu maglu (EN 13523-8:2017)  
Coil coated metals – Test methods – Part 8: Resistance to salt spray (fog) (EN 13523-8:2017)

• **treba biti**  
HRN EN 13523-8:2017  
**Prevućeni metali u namotajima** – Metode ispitivanja – 8. dio: Otpornost na slanu maglu (EN 13523-8:2017)  
Coil coated metals – Test methods – Part 8: Resistance to salt spray (fog) (EN 13523-8:2017)

• **umjesto**  
HRN EN 13523-9:2014  
**Metali zaštićeni trakom** – Metode ispitivanja – 9. dio: Otpornost na uranjanje u vodu (EN 13523-9:2014)  
Coil coated metals – Test methods – Part 9: Resistance to water immersion (EN 13523-9:2014)

• **treba biti**  
HRN EN 13523-9:2014  
**Prevućeni metali u namotajima** – Metode ispitivanja – 9. dio: Otpornost na uranjanje u vodu (EN 13523-9:2014)  
Coil coated metals – Test methods – Part 9: Resistance to water immersion (EN 13523-9:2014)

• **umjesto**  
HRN EN 13523-10:2017  
**Metali zaštićeni trakom** – Metode ispitivanja – 10. dio: Otpornost na fluorescentno UV zračenje i kondenzaciju vode (EN 13523-10:2017)  
Coil coated metals – Test methods – Part 10: Resistance to fluorescent UV radiation and water condensation (EN 13523-10:2017)

• **treba biti**  
HRN EN 13523-10:2017  
**Prevućeni metali u namotajima** – Metode ispitivanja – 10. dio: Otpornost na fluorescentno UV zračenje i kondenzaciju vode (EN 13523-10:2017)  
Coil coated metals – Test methods – Part 10: Resistance to fluorescent UV radiation and water condensation (EN 13523-10:2017)

• **umjesto**  
HRN EN 13523-11:2019  
**Metali zaštićeni trakom** – Metode ispitivanja – 11. dio: Otpornost na otapala (ispitivanje trljanjem) (EN 13523-11:2019)  
Coil coated metals – Test methods – Part 11: Resistance to solvents (rubbing test) (EN 13523-11:2019)

• **treba biti**  
HRN EN 13523-11:2019  
**Prevućeni metali u namotajima** – Metode ispitivanja – 11. dio: Otpornost na otapala (ispitivanje trljanjem) (EN 13523-11:2019)  
Coil coated metals – Test methods – Part 11: Resistance to solvents (rubbing test) (EN 13523-11:2019)

• **umjesto**  
HRN EN 13523-12:2017  
**Metali zaštićeni trakom** – Metode ispitivanja – 12. dio: Otpornost na grebanje (EN 13523-12:2017)  
Coil coated metals – Test methods – Part 12: Resistance to scratching (EN 13523-12:2017)

• **treba biti**  
HRN EN 13523-12:2017  
**Prevućeni metali u namotajima** – Metode ispitivanja – 12. dio: Otpornost na grebanje (EN 13523-12:2017)  
Coil coated metals – Test methods – Part 12: Resistance to scratching (EN 13523-12:2017)

• **umjesto**  
HRN EN 13523-13:2014  
**Metali zaštićeni trakom** – Metode ispitivanja – 13. dio: Otpornost na ubrzano starenje djelovanjem topline (EN 13523-13:2014)  
Coil coated metals – Test methods – Part 13: Resistance to accelerated ageing by the use of heat (EN 13523-13:2014)

• **treba biti**  
HRN EN 13523-13:2014  
**Prevućeni metali u namotajima** – Metode ispitivanja – 13. dio: Otpornost na ubrzano starenje djelovanjem topline (EN 13523-13:2014)  
Coil coated metals – Test methods – Part 13: Resistance to accelerated ageing by the use of heat (EN 13523-13:2014)

• **umjesto**  
HRN EN 13523-14:2014  
**Metali zaštićeni trakom** – Metode ispitivanja – 14. dio: Kredanje (Helmenova metoda) (EN 13523-14:2014)  
Coil coated metals – Test methods – Part 14: Chalking (Helmen method) (EN 13523-14:2014)

• **treba biti**  
HRN EN 13523-14:2014  
**Prevućeni metali u namotajima** – Metode ispitivanja – 14. dio: Kredanje (Helmenova metoda) (EN 13523-14:2014)  
Coil coated metals – Test methods – Part 14: Chalking (Helmen method) (EN 13523-14:2014)

• **umjesto**  
HRN EN 13523-15:2015  
**Metali zaštićeni trakom** – Metode ispitivanja – 15. dio: Metamerizam (EN 13523-15:2015)  
Coil coated metals – Test methods – Part 15: Metamerism (EN 13523-15:2015)

• **treba biti**  
HRN EN 13523-15:2015  
**Prevućeni metali u namotajima** – Metode ispitivanja – 15. dio: Metamerizam (EN 13523-15:2015)  
Coil coated metals – Test methods – Part 15: Metamerism (EN 13523-15:2015)

• **umjesto**  
HRN EN 13523-16:2005  
**Metali zaštićeni trakom** – Metode ispitivanja – 16. dio: Otpornost na habanje (EN 13523-16:2004)  
Coil coated metals – Test methods – Part 16: Resistance to abrasion (EN 13523-16:2004)

• **treba biti**  
HRN EN 13523-16:2005  
**Prevućeni metali u namotajima** – Metode ispitivanja – 16. dio: Otpornost na habanje (EN 13523-16:2004)  
Coil coated metals – Test methods – Part 16: Resistance to abrasion (EN 13523-16:2004)

• **umjesto**  
HRN EN 13523-17:2019  
**Metali zaštićeni trakom** – Metode ispitivanja – 17. dio: Prionljivost gulivih filmova (EN 13523-17:2019)  
Coil coated metals – Test methods – Part 17: Adhesion of strippable films (EN 13523-17:2019)

• **treba biti**  
HRN EN 13523-17:2019  
**Prevućeni metali u namotajima** – Metode ispitivanja – 17. dio: Prionljivost gulivih filmova (EN 13523-17:2019)  
Coil coated metals – Test methods – Part 17: Adhesion of strippable films (EN 13523-17:2019)

- **umjesto**  
HRN EN 13523-18:2020  
**Metali zaštićeni trakom** – Metode ispitivanja – 18. dio: Otpornost na nastajanje mrlja (EN 13523-18:2020)  
Coil coated metals – Test methods – Part 18: Resistance to staining (EN 13523-18:2020)

- **treba biti**  
HRN EN 13523-18:2020  
**Prevučeni metali u namotajima** – Metode ispitivanja – 18. dio: Otpornost na nastajanje mrlja (EN 13523-18:2020)  
Coil coated metals – Test methods – Part 18: Resistance to staining (EN 13523-18:2020)

- **umjesto**  
HRN EN 13523-19:2019  
**Metali zaštićeni trakom** – Metode ispitivanja – 19. dio: Izrada ploča i metoda ispitivanja izlaganjem atmosferskim uvjetima (EN 13523-19:2019)  
Coil coated metals – Test methods – Part 19: Panel design and method of atmospheric exposure testing (EN 13523-19:2019)

- **treba biti**  
HRN EN 13523-19:2019  
**Prevučeni metali u namotajima** – Metode ispitivanja – 19. dio: Izrada ploča i metoda ispitivanja izlaganjem atmosferskim uvjetima (EN 13523-19:2019)  
Coil coated metals – Test methods – Part 19: Panel design and method of atmospheric exposure testing (EN 13523-19:2019)

- **umjesto**  
HRN EN 13523-20:2020  
**Metali zaštićeni trakom** – Metode ispitivanja – 20. dio: Prionljivost pjene (EN 13523-20:2020)  
Coil coated metals – Test methods – Part 20: Foam adhesion (EN 13523-20:2020)

- **treba biti**  
HRN EN 13523-20:2020  
**Prevučeni metali u namotajima** – Metode ispitivanja – 20. dio: Prionljivost pjene (EN 13523-20:2020)  
Coil coated metals – Test methods – Part 20: Foam adhesion (EN 13523-20:2020)

- **umjesto**  
HRN EN 13523-21:2017  
**Metali zaštićeni trakom** – Metode ispitivanja – 21. dio: Ocjena ploča izloženih vanjskim utjecajima (EN 13523-21:2017)  
Coil coated metals – Test methods – Part 21: Evaluation of outdoor exposed panels (EN 13523-21:2017)

- **treba biti**  
HRN EN 13523-21:2017  
**Prevučeni metali u namotajima** – Metode ispitivanja – 21. dio: Ocjena ploča izloženih vanjskim utjecajima (EN 13523-21:2017)  
Coil coated metals – Test methods – Part 21: Evaluation of outdoor exposed panels (EN 13523-21:2017)

- **umjesto**  
HRN EN 13523-22:2017  
**Metali zaštićeni trakom** – Metode ispitivanja – 22. dio: Razlike u boji – Vizualna usporedba (EN 13523-22:2017)  
Coil coated metals – Test methods – Part 22: Colour difference – Visual comparison (EN 13523-22:2017)

- **treba biti**  
HRN EN 13523-22:2017  
**Prevučeni metali u namotajima** – Metode ispitivanja – 22. dio: Razlike u boji – Vizualna usporedba (EN 13523-22:2017)  
Coil coated metals – Test methods – Part 22: Colour difference – Visual comparison (EN 13523-22:2017)

- **umjesto**  
HRN EN 13523-23:2015  
**Metali zaštićeni trakom** – Metode ispitivanja – 23. dio: Otpornost na vlažnu atmosferu koja sadrži sumporov dioksid (EN 13523-23:2015)  
Coil coated metals – Test methods – Part 23: Resistance to humid atmospheres containing sulfur dioxide (EN 13523-23:2015)

- **treba biti**  
HRN EN 13523-23:2015  
**Prevučeni metali u namotajima** – Metode ispitivanja – 23. dio: Otpornost na vlažnu atmosferu koja sadrži sumporov dioksid (EN 13523-23:2015)  
Coil coated metals – Test methods – Part 23: Resistance to humid atmospheres containing sulfur dioxide (EN 13523-23:2015)

- **umjesto**  
HRN EN 13523-24:2017  
**Metali zaštićeni trakom** – Metode ispitivanja – 24. dio: Otpornost na sljepljivanje i oštećenja pod pritiskom (EN 13523-24:2017)  
Coil coated metals – Test methods – Part 24: Resistance to blocking and pressure marking (EN 13523-24:2017)

- **treba biti**  
HRN EN 13523-24:2017  
**Prevučeni metali u namotajima** – Metode ispitivanja – 24. dio: Otpornost na sljepljivanje i oštećenja pod pritiskom (EN 13523-24:2017)  
Coil coated metals – Test methods – Part 24: Resistance to blocking and pressure marking (EN 13523-24:2017)

- **umjesto**  
HRN EN 13523-25:2014  
**Metali zaštićeni trakom** – Metode ispitivanja – 25. dio: Otpornost na vlagu (EN 13523-25:2014)  
Coil coated metals – Test methods – Part 25: Resistance to humidity (EN 13523-25:2014)

- **treba biti**  
HRN EN 13523-25:2014  
**Prevučeni metali u namotajima** – Metode ispitivanja – 25. dio: Otpornost na vlagu (EN 13523-25:2014)  
Coil coated metals – Test methods – Part 25: Resistance to humidity (EN 13523-25:2014)

- **umjesto**  
HRN EN 13523-26:2014  
**Metali zaštićeni trakom** – Metode ispitivanja – 26. dio: Otpornost na kondenzaciju vode (EN 13523-26:2014)  
Coil coated metals – Test methods – Part 26: Resistance to condensation of water (EN 13523-26:2014)

- **treba biti**  
HRN EN 13523-26:2014  
**Prevučeni metali u namotajima** – Metode ispitivanja – 26. dio: Otpornost na kondenzaciju vode (EN 13523-26:2014)  
Coil coated metals – Test methods – Part 26: Resistance to condensation of water (EN 13523-26:2014)

- **umjesto**  
HRN EN 13523-27:2017  
**Zaštićeni limovi u kolutovima** – Metode ispitivanja – 27. dio: Otpornost na vlažne obloge (Cataplasma test) (EN 13523-27:2017)  
Coil coated metals – Test methods – Part 27: Resistance to humid poultice (Cataplasma test) (EN 13523-27:2017)

- **treba biti**  
HRN EN 13523-27:2017  
**Prevučeni metali u namotajima** – Metode ispitivanja – 27. dio: Otpornost na vlažne obloge (Cataplasma test) (EN 13523-27:2017)  
Coil coated metals – Test methods – Part 27: Resistance to humid poultice (Cataplasma test) (EN 13523-27:2017)

- **umjesto**  
HRN EN 13523-29:2017  
**Metali zaštićeni trakom** – Metode ispitivanja – 29. dio: Otpornost na nečistoću iz okoliša (Nakupljanje nečistoće i nastanak pruga) (EN 13523-29:2017)  
Coil coated metals – Test methods – Part 29: Resistance to environmental soiling (Dirt pick-up and striping) (EN 13523-29:2017)

- **treba biti**  
HRN EN 13523-29:2017  
**Prevućeni metali u namotajima** – Metode ispitivanja – 29. dio: Otpornost na nečistoću iz okoliša (Nakupljanje nečistoće i nastanak pruga) (EN 13523-29:2017)  
Coil coated metals – Test methods – Part 29: Resistance to environmental soiling (Dirt pick-up and striping) (EN 13523-29:2017)

## HZN/TU U1, *Opća elektrotehnika*

- **umjesto**  
HRN EN 62656-1:2015  
Registar normiranih ontologija proizvoda i **prijenos podataka za proračunske tablice** – 1. dio: Logička struktura za podatkovne pakete (IEC 62656-1:2014; EN 62656-1:2015)  
Standardized product ontology register and transfer by spreadsheets – Part 1: Logical structure for data parcels (IEC 62656-1:2014; EN 62656-1:2015)

- **treba biti**  
HRN EN 62656-1:2015  
Registar normiranih ontologija proizvoda i **prijenos pomoću proračunskih tablica** – 1. dio: Logička struktura za podatkovne pakete (IEC 62656-1:2014; EN 62656-1:2015)  
Standardized product ontology register and transfer by spreadsheets – Part 1: Logical structure for data parcels (IEC 62656-1:2014; EN 62656-1:2015)

- **umjesto**  
HRN EN 62656-3:2015  
Registar normiranih ontologija proizvoda i **prijenos podataka za proračunske tablice** – 3. dio: Sučelje za zajednički model podataka (IEC 62656-3:2015; EN 62656-3:2015)  
Standardized product ontology register and transfer by spreadsheets – Part 3: Interface for Common Information Model (IEC 62656-3:2015; EN 62656-3:2015)

- **treba biti**  
HRN EN 62656-3:2015  
Registar normiranih ontologija proizvoda i **prijenos pomoću proračunskih tablica** – 3. dio: Sučelje za zajednički model podataka (IEC 62656-3:2015; EN 62656-3:2015)  
Standardized product ontology register and transfer by spreadsheets – Part 3: Interface for Common Information Model (IEC 62656-3:2015; EN 62656-3:2015)

- **umjesto**  
HRN EN 62656-5:2017  
Registar normiranih ontologija proizvoda i **prijenos podataka pomoću proračunske tablice** – 5. dio: Sučelje za opis aktivnosti (IEC 62656-5:2017; EN 62656-5:2017)  
Standardized product ontology register and transfer by spreadsheets – Part 5: Interface for activity description (IEC 62656-5:2017; EN 62656-5:2017)

- **treba biti**  
HRN EN 62656-5:2017  
Registar normiranih ontologija proizvoda i **prijenos pomoću proračunskih tablica** – 5. dio: Sučelje za opis aktivnosti (IEC 62656-5:2017; EN 62656-5:2017)  
Standardized product ontology register and transfer by spreadsheets – Part 5: Interface for activity description (IEC 62656-5:2017; EN 62656-5:2017)

## 1.7 Naslovi objavljenih hrvatskih norma na hrvatskome jeziku

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

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

HRN EN IEC 62645:2020 en pr  
Nuklearne elektrane – Instrumentacija i sustavi napajanja električnom energijom – Zahtjevi za kibernetičku sigurnost (IEC 62645:2019; EN IEC 62645:2020)  
Nuclear power plants – Instrumentation, control and electrical power systems – Cybersecurity requirements (IEC 62645:2019; EN IEC 62645:2020)

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

HRN EN IEC 63045:2020 en pr  
Ultrazvuk – Nefokusirajući izvori impulsnog zvučnog tlaka uključujući pneumatske i balističke impulsne izvore – Karakteristike ultrazvučnog polja (IEC 63045:2020; EN IEC 63045:2020)  
Ultrasonics – Non-focusing short pressure pulse sources including ballistic pressure pulse sources – Characteristics of fields (IEC 63045:2020; EN IEC 63045:2020)



## 2 Rezultati mednarodne i evropske normizacije

### Evropska normizacija (CEN)

Oznaka norme	Naslov norme	ICS	Datum objave
EN 81-72	Safety rules for the construction and installation of lifts – Particular applications for passenger and goods passenger lifts – Part 72: Firefighters lifts	91.140.90	2020-07
EN 81-73	Safety rules for the construction and installation of lifts – Particular applications for passenger and goods passenger lifts – Part 73: Behaviour of lifts in the event of fire	13.220.50; 91.140.90	2020-07
EN 469	Protective clothing for firefighters – Performance requirements for protective clothing for firefighting activities	13.340.10	2020-07
EN 933-2	Tests for geometrical properties of aggregates – Part 2: Determination of particle size distribution – Test sieves, nominal size of apertures	91.100.15	2020-07
EN 1175	Safety of industrial trucks – Electrical/electronic requirements	53.060	2020-07
EN 1273	Child care articles – Baby walking frames – Safety requirements and test methods	97.190	2020-07
EN 1332-3	Identification card systems – User Interface – Part 3: Key pads	35.240.15	2020-07
CEN/TS 1519-2	Plastic piping systems for soil and waste discharge (low and high temperature) within the building structure – Polyethylene (PE) – Part 2: Guidance for the assessment of conformity	23.040.01; 23.040.20; 91.140.80	2020-07
EN 1745	Masonry and masonry products – Methods for determining thermal properties	91.080.30; 91.120.10	2020-07
EN 4234	Aerospace series – Clamps, worm drive – Dimensions, masses	49.030.99	2020-07
EN 9130	Aerospace series – Quality systems – Record retention	03.120.10; 49.020	2020-07
EN 9131	Aerospace series – Quality Management Systems – Nonconformance Data Definition and Documentation	03.100.70; 03.120.10; 49.020	2020-07
CEN/TR 10317	European certified reference materials (EURONORM-CRMs) for the determination of the chemical composition of iron and steel products	71.040.30; 77.140.01	2020-07
EN 12312-3+A1	Aircraft ground support equipment – Specific requirements – Part 3: Conveyor belt vehicles	49.100	2020-07
EN 12414	Vehicle parking control equipment – Requirements and test methods for a parking terminal	39.040.99	2020-07
EN 13094	Tanks for the transport of dangerous goods – Metallic gravity-discharge tanks – Design and construction	13.300; 23.020.20	2020-07
EN 13381-1	Test methods for determining the contribution to the fire resistance of structural members – Part 1: Horizontal protective membranes	13.220.50; 79.060.20	2020-07
CEN/TS 13388/AC	Copper and copper alloys – Compendium of compositions and products	77.120.30; 77.150.30	2020-07
EN 13451-2+A1	Swimming pool equipment – Part 2: Additional specific safety requirements and test methods for ladders, stepladders and handle bends	97.220.10	2020-07
EN 13715	Railway applications – Wheelsets and bogies – Wheels – Tread profile	45.040	2020-07
EN 14628-1	Ductile iron pipes, fittings and accessories – Requirements and test methods – Part 1: PE coatings	23.040.10; 23.040.40	2020-07
EN 15328	Railway applications – Braking – Brake pads	45.040	2020-07

Oznaka norme	Naslov norme	ICS	Datum objave
CEN/TR 15350	Mechanical vibration – Guideline for the assessment of exposure to hand-transmitted vibration using available information including that provided by manufacturers of machinery	13.160	2020-07
EN 16475-7+A1	Chimneys – Accessories – Part 7: Rain caps – Requirements and test methods	91.060.40	2020-07
EN 16516+A1	Construction products: Assessment of release of dangerous substances – Determination of emissions into indoor air	13.040.20; 91.100.01	2020-07
EN 16931-1+A1/AC	Electronic invoicing – Part 1: Semantic data model of the core elements of an electronic invoice	35.240.20; 35.240.63	2020-07
EN 17038-2/AC	Pumps – Methods of qualification and verification of the Energy Efficiency Index for rotodynamic pump units – Part 2: Testing and calculation of Energy Efficiency Index (EEI) of single pump units	23.080	2020-07
CEN/TS 17176-7	Plastics piping systems for water supply and for buried and above ground drainage, sewerage and irrigation under pressure – Oriented unplasticized poly(vinyl chloride) (PVC-O) – Part 7: Assessment of conformity	23.040.01; 91.140.80	2020-07
EN 17322	Environmental Solid Matrices – Determination of polychlorinated biphenyls (PCB) by gas chromatography – mass selective detection (GC-MS) or electron-capture detection (GC-ECD)	13.030.01; 13.030.10; 13.030.20; 13.080.10	2020-07
EN 17371-3	Provision of services – Part 3: Management of Performance Measurement – Guidance on the mechanism to measure performance as part of service contracts	03.080.01	2020-07
EN 17374	Animal feeding stuffs: Methods of sampling and analysis – Determination of inorganic arsenic in animal feed by anion-exchange HPLC-ICP-MS	65.120	2020-07
EN 17375	Electronic cigarettes and e-liquids – Reference e-liquids	65.160	2020-07
CWA 17382	Sustainable Energy Retrofit Process Management for Multi-Occupancy Residential Buildings with Owner Communities	91.120.10	2020-07
EN 17393	Thermal spraying – Tubular coating tensile test	25.220.20	2020-07
EN 17414-1	District cooling pipes – Factory made flexible pipe systems – Part 1: Classification, general requirements and test methods	23.040.99	2020-07
EN 17414-2	District cooling pipes – Factory made flexible pipe systems – Part 2: Bonded system with plastic service pipes; requirements and test methods	23.040.99	2020-07
EN 17414-3	District cooling pipes – Factory made flexible pipe systems – Part 3: Non bonded system with plastic service pipes; requirements and test methods	23.040.99	2020-07
EN 17415-1	District cooling pipes – Bonded single pipe systems for directly buried cold water networks – Part 1: Factory made pipe assembly of steel or plastic service pipe, polyurethane thermal insulation and a casing of polyethylene	23.040.99	2020-07
CEN/TS 17440	Assessment and retrofitting of existing structures	91.010.30	2020-07
CEN/TS 17481	Bitumen and bituminous binders – Determination of salt content in bitumen – Electrical conductivity method	75.140; 91.100.50	2020-07
CEN/TS 17482	Bitumen and bituminous binders – Determination of acid number of bitumen – Potentiometric method	75.140; 91.100.50	2020-07
CEN/TR 17498	Railway applications – Infrastructure – Rail mounted railway maintenance and inspection machines and associated equipment – Explanation of machine type and compliance, including acceptance processes	45.120; 93.100	2020-07

Oznaka norme	Naslov norme	ICS	Datum objave
CEN/TR 17506	Guidance on databases for human vibration	13.160	2020-07
CEN/TR 17509	Materials obtained from End-of-Life Tyres – Granulated rubber – Determination of textile fiber content by visual index (qualitative method)	13.160	2020-07
CEN/TR 17511	Materials obtained from End-of-Life Tyres – Odour of ELT granulates – Origin and remediation possibilities	13.160	2020-07
CEN/TR 17519	Surfaces for sports areas – Synthetic turf sports facilities – Guidance on how to minimize infill dispersion into the environment	97.150; 97.220.10	2020-07
EN ISO 105-B06	Textiles – Tests for colour fastness – Part B06: Colour fastness and ageing to artificial light at high temperatures: Xenon arc fading lamp test (ISO 105-B06:2020)	59.080.01	2020-07
EN ISO 128-3	Technical product documentation – General principles of representation – Part 3: Views, sections and cuts (ISO 128-3:2020)	01.100.01	2020-07
EN ISO 294-3	Plastics – Injection moulding of test specimens of thermoplastic materials – Part 3: Small plates (ISO 294-3:2020)	83.080.20	2020-07
EN ISO 1524	Paints, varnishes and printing inks – Determination of fineness of grind (ISO 1524:2020)	87.040	2020-07
EN ISO 1628-2	Plastics – Determination of the viscosity of polymers in dilute solution using capillary viscometers – Part 2: Poly(vinyl chloride) resins (ISO 1628-2:2020)	83.080.20	2020-07
EN ISO 1833-1	Textiles – Quantitative chemical analysis – Part 1: General principles of testing (ISO 1833-1:2020)	59.060.01	2020-07
EN ISO 1833-2	Textiles – Quantitative chemical analysis – Part 2: Ternary fibre mixtures (ISO 1833-2:2020)	59.060.01	2020-07
EN ISO 1833-25	Textiles – Quantitative chemical analysis – Part 25: Mixtures of polyester with certain other fibres (method using trichloroacetic acid and chloroform) (ISO 1833-25:2020)	59.060.01	2020-07
EN ISO 4947	Steel and cast iron – Determination of vanadium content – Potentiometric titration method (ISO 4947:2020)	77.080.01	2020-07
EN ISO 8031	Rubber and plastics hoses and hose assemblies – Determination of electrical resistance and conductivity (ISO 8031:2020)	23.040.70	2020-07
EN ISO 8624	Ophthalmic optics – Spectacle frames – Measuring system and vocabulary (ISO 8624:2020)	11.040.70	2020-07
EN ISO 10893-9/A1	Non-destructive testing of steel tubes – Part 9: Automated ultrasonic testing for the detection of laminar imperfections in strip/plate used for the manufacture of welded steel tubes – Amendment 1: Change acceptance criteria (ISO 10893-9:2011/Amd 1:2020)	23.040.10; 77.040.20; 77.140.75	2020-07
EN ISO 10893-10/A1	Non-destructive testing of steel tubes – Part 10: Automated full peripheral ultrasonic testing of seamless and welded (except submerged arc-welded) steel tubes for the detection of longitudinal and/or transverse imperfections – Amendment 1: Change of ultrasonic test frequency; change of acceptance criteria (ISO 10893-10:2011/Amd 1:2020)	23.040.10; 77.040.20; 77.140.75	2020-07
EN ISO 10893-11/A1	Non-destructive testing of steel tubes – Part 11: Automated ultrasonic testing of the weld seam of welded steel tubes for the detection of longitudinal and/or transverse imperfections – Amendment 1: Change of ultrasonic test frequency; change of acceptance criteria (ISO 10893-11:2011/Amd 1:2020)	23.040.10; 77.040.20; 77.140.75	2020-07



Oznaka norme	Naslov norme	ICS	Datum objave
EN ISO 11890-2	Paints and varnishes – Determination of volatile organic compounds(VOC) and/or semi volatile organic compounds (SVOC) content – Part 2: Gas-chromatographic method (ISO 11890-2:2020)	87.040	2020-07
EN ISO 11961/A1	Petroleum and natural gas industries – Steel drill pipe – Amendment 1 (ISO 11961:2018/Amd 1:2020)	77.140.75	2020-07
EN ISO 12999-2	Acoustics – Determination and application of measurement uncertainties in building acoustics – Part 2: Sound absorption (ISO 12999-2:2020)	17.140.01; 91.120.20	2020-07
EN ISO 13017	Dentistry – Magnetic attachments (ISO 13017:2020)	11.060.10	2020-07
EN ISO 13259	Thermoplastics piping systems for underground non-pressure applications – Test method for leaktightness of elastomeric sealing ring type joints (ISO 13259:2020)	23.040.20; 91.140.80	2020-07
EN ISO 14907-1	Electronic fee collection – Test procedures for user and fixed equipment – Part 1: Description of test procedures (ISO 14907-1:2020)	35.240.60; 43.040.15	2020-07
EN ISO 16534	Thermal insulating products for building applications – Determination of compressive creep (ISO 16534:2020)	91.100.60	2020-07
EN ISO 16546	Thermal insulating products for building applications – Determination of freeze-thaw resistance (ISO 16546:2020)	91.100.60	2020-07
EN ISO 18674-4	Geotechnical investigation and testing – Geotechnical monitoring by field instrumentation – Part 4: Measurement of pore water pressure: Piezometers (ISO 18674-4:2020)	13.080.20; 93.020	2020-07
EN ISO 19650-5	Organization and digitization of information about buildings and civil engineering works, including building information modelling (BIM) – Information management using building information modelling – Part 5: Security-minded approach to information management (ISO 19650-5:2020)	35.240.67; 91.010.01	2020-07
EN ISO 19679	Plastics – Determination of aerobic biodegradation of non-floating plastic materials in a seawater/sediment interface – Method by analysis of evolved carbon dioxide (ISO 19679:2020)	83.080.01	2020-07
EN ISO 20136	Leather – Determination of degradability by micro-organisms (ISO 20136:2020)	59.140.30	2020-07
CEN ISO/TR 20174	Welding – Grouping systems for materials – Japanese materials (ISO/TR 20174:2020)	25.160.20	2020-07
EN ISO 20418-3	Textiles – Qualitative and quantitative proteomic analysis of some animal hair fibres – Part 3: Peptide detection using LC-MS without protein reduction (ISO 20418-3:2020)	59.060.01	2020-07
EN ISO 20430	Plastics and rubber machines – Injection moulding machines – Safety requirements (ISO 20430:2020)	83.200	2020-07
EN ISO 20776-1	Susceptibility testing of infectious agents and evaluation of performance of antimicrobial susceptibility test devices – Part 1: Broth micro-dilution reference method for testing the in vitro activity of antimicrobial agents against rapidly growing aerobic bacteria involved in infectious diseases (ISO 20776-1:2019, including Corrected version 2019-12)	11.100.20	2020-07
EN ISO 22052	Dentistry – Central compressed air source equipment (ISO 22052:2020)	11.060.20	2020-07
EN ISO 22569	Dentistry – Multifunction handpieces (ISO 22569:2020)	11.060.25	2020-07

Oznaka norme	Naslov norme	ICS	Datum objave
EN ISO 23208/A1	Cryogenic vessels – Cleanliness for cryogenic service – Amendment 1 (ISO 23208:2017/Amd 1:2020)	23.020.40	2020-07
EN ISO 23325	Dentistry – Corrosion resistance of dental amalgam (ISO 23325:2020)	11.060.10	2020-07
EN ISO 23387	Building information modelling (BIM) – Data templates for construction objects used in the life cycle of built assets – Concepts and principles (ISO 23387:2020)	35.240.67; 91.010.01	2020-07
EN ISO 25239-1	Friction stir welding – Aluminium – Part 1: Vocabulary (ISO 25239-1:2020)	01.040.25; 25.160.10	2020-07
EN ISO 25239-2	Friction stir welding – Aluminium – Part 2: Design of weld joints (ISO 25239-2:2020)	25.160.10; 25.160.40	2020-07
EN ISO 25239-3	Friction stir welding – Aluminium – Part 3: Qualification of welding operators (ISO 25239-3:2020)	25.160.01; 25.160.10	2020-07
EN ISO 25239-4	Friction stir welding – Aluminium – Part 4: Specification and qualification of welding procedures (ISO 25239-4:2020)	25.160.10	2020-07
EN ISO 25239-5	Friction stir welding – Aluminium – Part 5: Quality and inspection requirements (ISO 25239-5:2020)	25.160.10	2020-07
EN ISO 29470	Thermal insulating products for building applications – Determination of the apparent density (ISO 29470:2020)	91.100.60	2020-07

## Europska normizacija (CENELEC)

Oznaka norme	Naslov norme	ICS	Datum objave
EN 16604-30-03	Space – Space Situational Awareness Monitoring – Part 30-03: Observation System Data Message (OSDM)	35.240.99; 49.140	2020-07
EN 50128/A2	Railway applications – Communication, signalling and processing systems – Software for railway control and protection systems	35.240.60; 45.020; 93.100	2020-07
EN 50174-1/A1	Information technology – Cabling installation – Part 1: Installation specification and quality assurance	35.110	2020-07
CLC/TS 50238-2	Railway applications – Compatibility between rolling stock and train detection systems – Part 2: Compatibility with track circuits	29.280; 45.060.10	2020-07
EN 50488	Railway applications – Fixed installations – Electrical protective measures for working on or near an overhead contact line system and/or its associated return circuit	13.260; 45.020	2020-07
EN 50600-4-6	Information technology – Data centre facilities and infrastructures – Part 4-6: Energy Reuse Factor	35.020; 35.110; 35.160	2020-07
CLC/TS 51643-32	Low-voltage surge protective devices – Part 32: Surge protective devices connected to the DC side of photovoltaic installations – Selection and application principles	27.160; 29.120.50	2020-07
EN IEC 60034-3	Rotating electrical machines – Part 3: Specific requirements for synchronous generators driven by steam turbines or combustion gas turbines and for synchronous compensators (IEC 60034-3:2020)	29.160.01; 29.160.20	2020-07
EN IEC 60045-1	Steam turbines – Part 1: Specifications (IEC 60045-1:2020)	27.040	2020-07
EN 60061-2/A56	Lamp caps and holders together with gauges for the control of interchangeability and safety – Part 2: Lampholders (IEC 60061-2:1969/A56:2020)	29.140.10	2020-07
EN 60061-3/A58	Lamp caps and holders together with gauges for the control of interchangeability and safety – Part 3: Gauges (IEC 60061-3:1969/A58:2020)	29.140.10	2020-07
EN IEC 60317-0-2	Specifications for particular types of winding wires – Part 0-2: General requirements – Enamelled rectangular copper wire (IEC 60317-0-2:2020)	29.060.10	2020-07
EN IEC 60317-12	Specifications for particular types of winding wires – Part 12: Polyvinyl acetal enamelled round copper wire, class 120 (IEC 60317-12:2020)	29.060.10	2020-07
EN IEC 60317-17	Specifications for particular types of winding wires – Part 17: Polyvinyl acetal enamelled rectangular copper wire, class 105 (IEC 60317-17:2020)	29.060.10	2020-07
EN IEC 60317-18	Specifications for particular types of winding wires – Part 18: Polyvinyl acetal enamelled rectangular copper wire, class 120 (IEC 60317-18:2020)	29.060.10	2020-07
EN IEC 60317-25	Specifications for particular types of winding wires – Part 25: Polyester or polyesterimide overcoated with polyamide-imide enamelled round aluminium wire, class 200 (IEC 60317-25:2020)	29.060.10	2020-07
EN IEC 60317-27-1	Specifications for particular types of winding wires – Part 27-1: Paper tape covered round copper wire (IEC 60317-27-1:2020)	29.060.10	2020-07
EN IEC 60317-27-2	Specifications for particular types of winding wires – Part 27-2: Paper tape covered round aluminium wire (IEC 60317-27-2:2020)	29.060.10	2020-07
EN IEC 60317-27-4	Specifications for particular types of winding wires – Part 27-4: Paper tape covered rectangular aluminium wire (IEC 60317-27-4:2020)	29.060.10	2020-07



Oznaka norme	Naslov norme	ICS	Datum objave
EN IEC 60317-62	Specifications for particular types of winding wires – Part 62: Polyester glass-fibre wound, silicone resin or varnish impregnated, bare or enamelled rectangular copper wire, temperature index 200 (IEC 60317-62:2020)	29.060.10	2020-07
EN IEC 60352-4	Solderless connections – Part 4: Non-accessible insulation displacement (ID) connections – General requirements, test methods and practical guidance (IEC 60352-4:2020)	29.120.20; 31.220.10	2020-07
EN IEC 60512-9-5	Connectors for electrical and electronic equipment – Tests and measurements – Part 9-5: Endurance tests – Test 9e: Current loading, cyclic (IEC 60512-9-5:2020)	31.220.01; 31.220.10	2020-07
EN IEC 60664-1	Insulation coordination for equipment within low-voltage supply systems – Part 1: Principles, requirements and tests (IEC 60664-1:2020)	29.080.30	2020-07
EN IEC 60667-2	Vulcanized fibre for electrical purposes – Part 2: Methods of test (IEC 60667-2:2020)	29.035.10	2020-07
EN IEC 61169-61	Radio-frequency connectors – Part 61: Sectional specification for RF coaxial connectors with 9,5 mm inner diameter of outer conductor, quick lock coupling, series Q4.1-9.5 (IEC 61169-61:2020)	33.120.30	2020-07
EN IEC 61169-63	Radio-frequency connectors – Part 63: Sectional specification – RF coaxial connectors with inner diameter of outer conductor 6,5 mm (0,256 in) with bayonet lock – Characteristic impedance 75 ohms (type BNC75) (IEC 61169-63:2020)	33.120.30	2020-07
EN IEC 61591	Cooking fume extractors – Methods for measuring performance (IEC 61591:2019)	97.040.20	2020-07
EN IEC 61591/A11	Cooking fume extractors – Methods for measuring performance	97.040.20	2020-07
EN IEC 61643-341	Components for low-voltage surge protection – Part 341: Performance requirements and test circuits for thyristor surge suppressors (TSS) (IEC 61643-341:2020)	29.120.50; 31.080.10	2020-07
EN IEC 61969-1	Mechanical structures for electrical and electronic equipment – Outdoor enclosures – Part 1: Design guidelines (IEC 61969-1:2020)	31.240	2020-07
EN IEC 61969-3	Mechanical structures for electrical and electronic equipment – Outdoor enclosures – Part 3: Environmental requirements, tests and safety aspects (IEC 61969-3:2020)	31.240	2020-07
EN IEC 62290-3/AC	Railway applications – Urban guided transport management and command/control systems – Part 3: System requirements specification (IEC 62290-3:2019/COR1:2020)	03.220.30; 35.240.60; 45.060.01	2020-07
EN IEC 62384	DC or AC supplied electronic controlgear for LED modules – Performance requirements (IEC 62384:2020)	29.140.99; 31.080.99	2020-07
EN IEC 62433-1/AC	EMC IC modelling – Part 1: General modelling framework (IEC 62433-1:2019/COR1:2020)	31.200; 33.100.20	2020-07
EN IEC 62496-4-214	Optical circuit boards – Part 4-214: Interface standards – Terminated waveguide OCB assembly using a single-row thirty-two-channel symmetric PMT connector (IEC 62496-4-214:2020)	33.180.01; 33.180.99	2020-07
EN IEC 62541-13	OPC Unified Architecture – Part 13: Aggregates (IEC 62541-13:2020)	25.040.40; 35.100.05; 35.200; 35.240.50	2020-07

Oznaka norme	Naslov norme	ICS	Datum objave
EN IEC 62645	Nuclear power plants – Instrumentation, control and electrical power systems – Cybersecurity requirements (IEC 62645:2019)	27.120.20; 35.030	2020-07
EN 62788-1-6/A1	Measurement procedures for materials used in photovoltaic modules – Part 1-6: Encapsulants – Test methods for determining the degree of cure in Ethylene-Vinyl Acetate (IEC 62788-1-6:2017/A1:2020)	27.160	2020-07
EN IEC 62938	Photovoltaic (PV) modules – Non-uniform snow load testing (IEC 62938:2020)	27.160	2020-07
EN IEC 63045	Ultrasonics – Non-focusing short pressure pulse sources including ballistic pressure pulse sources – Characteristics of fields (IEC 63045:2020)	11.040.60; 17.140.50	2020-07
EN IEC 63181-2	LCD multi-screen display terminals – Part 2: Measuring methods (IEC 63181-2:2020)	31.120	2020-07
EN IEC 63182-1	Magnetic powder cores – Guidelines on dimensions and the limits of surface irregularities – Part 1: General specification (IEC 63182-1:2020)	29.100.10	2020-07
CENELEC Guide 1	Survey of Resolutions of the CENELEC General Assembly	01.120	2020-07
CEN ISO/TR 24971	Medical devices – Guidance on the application of ISO 14971 (ISO/TR 24971:2020)	11.040.01	2020-07

## Europska normizacija (ETSI)

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 101162 V 1.9.1	Digital Video Broadcasting (DVB) – Allocation of identifiers and codes for Digital Video Broadcasting (DVB) systems	33.170	2020-07
ETSI TS 101545-1 V 1.3.1	Digital Video Broadcasting (DVB) – Second Generation DVB Interactive Satellite System (DVB-RCS2) – Part 1: Overview and System Level specification	33.170	2020-07
ETSI TS 101545-3 V 1.3.1	Digital Video Broadcasting (DVB) – Second Generation DVB Interactive Satellite System (DVB-RCS2) – Part 3: Higher Layers Satellite Specification	33.170	2020-07
ETSI TS 102182 V 1.5.1	Emergency Communications (EMTEL) – Requirements for communications from authorities/organizations to individuals, groups or the general public during emergencies	33.040.01	2020-07
ETSI TS 102226 V 16.0.0	Smart Cards – Remote APDU structure for UICC based applications (Release 16)	35.240.15	2020-07
ETSI TS 102412 V 16.0.0	Smart Cards – Smart Card Platform Requirements Stage 1 (Release 16)	35.240.15	2020-07
ETSI TS 103410-7 V 1.1.1	SmartM2M – Extension to SAREF – Part 7: Automotive Domain	33.200	2020-07
ETSI TS 103410-8 V 1.1.1	SmartM2M – Extension to SAREF – Part 8: eHealth/ Ageing-well Domain	33.200	2020-07
ETSI TS 103410-9 V 1.1.1	SmartM2M – Extension to SAREF – Part 9: Wearables Domain	33.200	2020-07
ETSI TS 103410-10 V 1.1.1	SmartM2M – Extension to SAREF – Part 10: Water Domain	33.200	2020-07
ETSI TS 103504 V 1.1.1	Speech and multimedia Transmission Quality (STQ) – Methods and procedures for evaluating performance of voice-controlled devices and functions: far talk voice assistant devices	33.040.01	2020-07
ETSI TR 103619 V 1.1.1	CYBER – Migration strategies and recommendations to Quantum Safe schemes	35.030	2020-07
ETSI TS 103636-1 V 1.1.1	DECT-2020 New Radio (NR) – Part 1: Overview – Release 1	33.070.30	2020-07
ETSI TS 103636-2 V 1.1.1	DECT-2020 New Radio (NR) – Part 2: Radio reception and transmission requirements – Release 1	33.070.30	2020-07
ETSI TS 103636-3 V 1.1.1	DECT-2020 New Radio (NR) – Part 3: Physical layer – Release 1	33.070.30	2020-07
ETSI TS 103636-4 V 1.1.1	DECT-2020 New Radio (NR) – Part 4: MAC layer – Release 1	33.070.30	2020-07
ETSI TR 103656 V 1.1.1	Lawful Interception (LI) – Study on high bandwidth delivery	33.040.35	2020-07
ETSI TS 103666-3 V 16.0.0	Smart Secure Platform (SSP) – Part 3: Embedded SSP (eSSP) Type 1 characteristics (Release 16)	35.240.15	2020-07
ETSI TR 103714 V 1.1.1	SmartM2M – Study for oneM2M Discovery and Query use cases and requirements	33.200	2020-07
ETSI TR 118518 V 2.5.1	oneM2M – Industrial Domain Enablement (oneM2M TR-0018 version 2.5.1 Release 2A)	33.200	2020-07
ETSI TS 119412-1 V 1.4.1	Electronic Signatures and Infrastructures (ESI) – Certificate Profiles – Part 1: Overview and common data structures	33.040.01	2020-07
ETSI TS 121111 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – USIM and IC card requirements (3GPP TS 21.111 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 123002 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Network architecture (3GPP TS 23.002 version 16.0.0 Release 16)	33.070.50	2020-07



Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 123003 V 15.9.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Numbering, addressing and identification (3GPP TS 23.003 version 15.9.0 Release 15)	33.070.50	2020-07
ETSI TS 123009 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Handover procedures (3GPP TS 23.009 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 123011 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Technical realization of Supplementary Services (3GPP TS 23.011 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 123012 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Location management procedures (3GPP TS 23.012 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 123014 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Support of Dual Tone Multi-Frequency (DTMF) signalling (3GPP TS 23.014 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 123016 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Subscriber data management – Stage 2 (3GPP TS 23.016 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 123018 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Basic call handling – Technical realization (3GPP TS 23.018 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 123032 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Universal Geographical Area Description (GAD) (3GPP TS 23.032 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 123034 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – High Speed Circuit Switched Data (HSCSD) – Stage 2 (3GPP TS 23.034 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 123038 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Alphabets and language-specific information (3GPP TS 23.038 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 123040 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Technical realization of the Short Message Service (SMS) (3GPP TS 23.040 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 123041 V 16.4.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Technical realization of Cell Broadcast Service (CBS) (3GPP TS 23.041 version 16.4.0 Release 16)	33.070.50	2020-07
ETSI TS 123042 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Compression algorithm for text messaging services (3GPP TS 23.042 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 123057 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Mobile Execution Environment (MExE) – Functional description – Stage 2 (3GPP TS 23.057 version 16.0.0 Release 16)	33.070.50	2020-07

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 123066 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Support of Mobile Number Portability (MNP) – Technical realization – Stage 2 (3GPP TS 23.066 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 123067 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – enhanced Multi-Level Precedence and Pre-emption Service (eMLPP) – Stage 2 (3GPP TS 23.067 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 123072 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Call Deflection (CD) supplementary service – Stage 2 (3GPP TS 23.072 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 123078 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 4 – Stage 2 (3GPP TS 23.078 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 123079 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Support of Optimal Routeing (SOR) – Technical realization (3GPP TS 23.079 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 123081 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Line Identification supplementary services – Stage 2 (3GPP TS 23.081 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 123082 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Call Forwarding (CF) supplementary services – Stage 2 (3GPP TS 23.082 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 123083 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Call Waiting (CW) and Call Hold (HOLD) supplementary services – Stage 2 (3GPP TS 23.083 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 123084 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Multi Party (MPTY) supplementary service – Stage 2 (3GPP TS 23.084 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 123085 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Closed User Group (CUG) supplementary service – Stage 2 (3GPP TS 23.085 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 123086 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Advice of Charge (AoC) supplementary services – Stage 2 (3GPP TS 23.086 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 123087 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – User-to-User Signalling (UUS) supplementary service – Stage 2 (3GPP TS 23.087 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 123088 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Call Barring (CB) Supplementary Services – Stage 2 (3GPP TS 23.088 version 16.0.0 Release 16)	33.070.50	2020-07

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 123090 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Unstructured Supplementary Service Data (USSD) – Stage 2 (3GPP TS 23.090 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 123091 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Explicit Call Transfer (ECT) supplementary service – Stage 2 (3GPP TS 23.091 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 123093 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Technical realization of Completion of Calls to Busy Subscriber (CCBS) – Stage 2 (3GPP TS 23.093 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 123094 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Follow-Me (FM) – Stage 2 (3GPP TS 23.094 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 123096 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Name identification supplementary services – Stage 2 (3GPP TS 23.096 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 123097 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Multiple Subscriber Profile (MSP) (Phase 2) – Stage 2 (3GPP TS 23.097 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 123101 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – General Universal Mobile Telecommunications System (UMTS) architecture (3GPP TS 23.101 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 123107 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Quality of Service (QoS) concept and architecture (3GPP TS 23.107 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 123108 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Mobile radio interface layer 3 specification, core network protocols – Stage 2 (3GPP TS 23.108 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 123110 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Universal Mobile Telecommunications System (UMTS) access stratum – Services and functions (3GPP TS 23.110 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 123116 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Super-Charger technical realization – Stage 2 (3GPP TS 23.116 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 123119 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Gateway Location Register (GLR) – Stage 2 (3GPP TS 23.119 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 123122 V 16.6.1	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 16.6.1 Release 16)	33.070.50	2020-07
ETSI TS 123135 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Multicall supplementary service – Stage 2 (3GPP TS 23.135 version 16.0.0 Release 16)	33.070.50	2020-07



Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 123139 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 3GPP system – fixed broadband access network interworking – Stage 2 (3GPP TS 23.139 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 123141 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Presence service – Architecture and functional description (3GPP TS 23.141 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 123142 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Value-added Services for SMS (VAS4SMS) – Interface and signalling flow (3GPP TS 23.142 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 123153 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Out of band transcoder control – Stage 2 (3GPP TS 23.153 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 123161 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Network-Based IP Flow Mobility (NBIFOM) – Stage 2 (3GPP TS 23.161 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 123167 V 15.7.0	Universal Mobile Telecommunications System (UMTS) – LTE – IP Multimedia Subsystem (IMS) emergency sessions (3GPP TS 23.167 version 15.7.0 Release 15)	33.070.50	2020-07
ETSI TS 123167 V 16.2.0	Universal Mobile Telecommunications System (UMTS) – LTE – IP Multimedia Subsystem (IMS) emergency sessions (3GPP TS 23.167 version 16.2.0 Release 16)	33.070.50	2020-07
ETSI TS 123205 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Bearer-independent circuit-switched core network – Stage 2 (3GPP TS 23.205 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 123207 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – End-to-end Quality of Service (QoS) concept and architecture (3GPP TS 23.207 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 123214 V 16.1.0	Universal Mobile Telecommunications System (UMTS) – LTE – Architecture enhancements for control and user plane separation of EPC nodes (3GPP TS 23.214 version 16.1.0 Release 16)	33.070.50	2020-07
ETSI TS 123218 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – IP Multimedia (IM) session handling – IM call model – Stage 2 (3GPP TS 23.218 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 123226 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Global text telephony (GTT) – Stage 2 (3GPP TS 23.226 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 123231 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – SIP-I based circuit-switched core network – Stage 2 (3GPP TS 23.231 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 123236 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Intra-domain connection of Radio Access Network (RAN) nodes to multiple Core Network (CN) nodes (3GPP TS 23.236 version 16.0.0 Release 16)	33.070.50	2020-07

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 123237 V 16.4.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – IP Multimedia Subsystem (IMS) Service Continuity – Stage 2 (3GPP TS 23.237 version 16.4.0 Release 16)	33.070.50	2020-07
ETSI TS 123240 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – 3GPP Generic User Profile (GUP) – Architecture (Stage 2) (3GPP TS 23.240 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 123251 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Network sharing – Architecture and functional description (3GPP TS 23.251 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 123261 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – IP flow mobility and seamless Wireless Local Area Network (WLAN) offload – Stage 2 (3GPP TS 23.261 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 123271 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Functional stage 2 description of Location Services (LCS) (3GPP TS 23.271 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 123272 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Circuit Switched (CS) fallback in Evolved Packet System (EPS) – Stage 2 (3GPP TS 23.272 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 123273 V 16.4.0	5G – 5G System (5GS) Location Services (LCS) – Stage 2 (3GPP TS 23.273 version 16.4.0 Release 16)	33.070.50	2020-07
ETSI TS 123278 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 4 – Stage 2 – IM CN Interworking (3GPP TS 23.278 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 123279 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Combining Circuit Switched (CS) and IP Multimedia Subsystem (IMS) services – Stage 2 (3GPP TS 23.279 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 123284 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Local Call Local Switch (LCLS) – Stage 2 (3GPP TS 23.284 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 123285 V 16.3.0	Universal Mobile Telecommunications System (UMTS) – LTE – Architecture enhancements for V2X services (3GPP TS 23.285 version 16.3.0 Release 16)	33.070.50	2020-07
ETSI TS 123287 V 16.3.0	5G – Architecture enhancements for 5G System (5GS) to support Vehicle-to-Everything (V2X) services (3GPP TS 23.287 version 16.3.0 Release 16)	33.070.50	2020-07
ETSI TS 123288 V 16.4.0	5G – Architecture enhancements for 5G System (5GS) to support network data analytics services (3GPP TS 23.288 version 16.4.0 Release 16)	33.070.50	2020-07
ETSI TS 123292 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – IP Multimedia Subsystem (IMS) centralized services – Stage 2 (3GPP TS 23.292 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 123303 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Proximity-based services (ProSe) – Stage 2 (3GPP TS 23.303 version 16.0.0 Release 16)	33.070.50	2020-07

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 123316 V 16.4.0	5G – Wireless and wireline convergence access support for the 5G System (5GS) (3GPP TS 23.316 version 16.4.0 Release 16)	33.070.50	2020-07
ETSI TS 123335 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – User Data Convergence (UDC) – Technical realization and information flows – Stage 2 (3GPP TS 23.335 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 123379 V 16.6.1	LTE – Functional architecture and information flows to support Mission Critical Push To Talk (MCPTT) – Stage 2 (3GPP TS 23.379 version 16.6.1 Release 16)	33.070.99	2020-07
ETSI TS 123401 V 15.11.0	LTE – General Packet Radio Service (GPRS) enhancements for Evolved Universal Terrestrial Radio Access Network (E-UTRAN) access (3GPP TS 23.401 version 15.11.0 Release 15)	33.070.50	2020-07
ETSI TS 123401 V 16.7.0	LTE – General Packet Radio Service (GPRS) enhancements for Evolved Universal Terrestrial Radio Access Network (E-UTRAN) access (3GPP TS 23.401 version 16.7.0 Release 16)	33.070.50	2020-07
ETSI TS 123468 V 16.0.0	LTE – Group Communication System Enablers for LTE (GCSE LTE) – Stage 2 (3GPP TS 23.468 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 123501 V 15.10.0	5G – System architecture for the 5G System (5GS) (3GPP TS 23.501 version 15.10.0 Release 15)	33.070.50	2020-07
ETSI TS 123501 V 16.5.0	5G – System architecture for the 5G System (5GS) (3GPP TS 23.501 version 16.5.0 Release 16)	33.070.50	2020-07
ETSI TS 123502 V 15.10.0	5G – Procedures for the 5G System (5GS) (3GPP TS 23.502 version 15.10.0 Release 15)	33.070.50	2020-07
ETSI TS 123502 V 16.5.0	5G – Procedures for the 5G System (5GS) (3GPP TS 23.502 version 16.5.0 Release 16)	33.070.50	2020-07
ETSI TS 123503 V 16.5.0	5G – Policy and charging control framework for the 5G System (5GS) – Stage 2 (3GPP TS 23.503 version 16.5.0 Release 16)	33.070.50	2020-07
ETSI TS 123682 V 16.7.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Architecture enhancements to facilitate communications with packet data networks and applications (3GPP TS 23.682 version 16.7.0 Release 16)	33.070.50	2020-07
ETSI TR 123903 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Redial solution for voice-video switching (3GPP TR 23.903 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TR 123919 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Direct tunnel deployment guideline (3GPP TR 23.919 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TR 123924 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – Feasibility study on Non-Access Stratum (NAS) node selection function above Base Station Controller (BSC) / Radio Network Controller (RNC) (3GPP TR 23.924 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TR 123975 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – IPv6 migration guidelines (3GPP TR 23.975 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TR 123976 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Push architecture (3GPP TR 23.976 version 16.0.0 Release 16)	33.070.50	2020-07

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TR 123977 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – Bandwidth And Resource Savings (BARS) and speech enhancements for Circuit Switched (CS) networks (3GPP TR 23.977 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TR 123979 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – 3GPP enablers for Open Mobile Alliance (OMA) – Push-to-talk over Cellular (PoC) services – Stage 2 (3GPP TR 23.979 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TR 123981 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Interworking aspects and migration scenarios for IPv4-based IP Multimedia Subsystem (IMS) implementations (3GPP TR 23.981 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 124007 V 16.3.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Mobile radio interface signalling layer 3 – General Aspects (3GPP TS 24.007 version 16.3.0 Release 16)	33.070.50	2020-07
ETSI TS 124008 V 16.5.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Mobile radio interface Layer 3 specification – Core network protocols – Stage 3 (3GPP TS 24.008 version 16.5.0 Release 16)	33.070.50	2020-07
ETSI TS 124010 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Mobile radio interface layer 3 – Supplementary services specification – General aspects (3GPP TS 24.010 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 124011 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Point-to-Point (PP) Short Message Service (SMS) support on mobile radio interface (3GPP TS 24.011 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 124030 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Location Services (LCS) – Supplementary service operations – Stage 3 (3GPP TS 24.030 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 124067 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Enhanced Multi-Level Precedence and Pre-emption service (eMLPP) – Stage 3 (3GPP TS 24.067 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 124072 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Call Deflection (CD) supplementary service – Stage 3 (3GPP TS 24.072 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 124081 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Line Identification supplementary services – Stage 3 (3GPP TS 24.081 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 124082 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Call Forwarding (CF) supplementary services – Stage 3 (3GPP TS 24.082 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 124083 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Call Waiting (CW) and Call Hold (HOLD) supplementary services – Stage 3 (3GPP TS 24.083 version 16.0.0 Release 16)	33.070.50	2020-07



Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 124084 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Multi Party (MPTY) supplementary service – Stage 3 (3GPP TS 24.084 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 124085 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Closed User Group (CUG) supplementary service – Stage 3 (3GPP TS 24.085 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 124086 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Advice of Charge (AoC) supplementary services – Stage 3 (3GPP TS 24.086 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 124087 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – User-to-User Signalling (UUS) Supplementary Service – Stage 3 (3GPP TS 24.087 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 124088 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Call Barring (CB) supplementary service – Stage 3 (3GPP TS 24.088 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 124090 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Unstructured Supplementary Service Data (USSD) – Stage 3 (3GPP TS 24.090 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 124091 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Explicit Call Transfer (ECT) supplementary service – Stage 3 (3GPP TS 24.091 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 124093 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Completion of Calls to Busy Subscriber (CCBS) – Stage 3 (3GPP TS 24.093 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 124096 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Name Identification supplementary services – Stage 3 (3GPP TS 24.096 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 124103 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Telepresence using the IP Multimedia (IM) Core Network (CN) Subsystem (IMS) – Stage 3 (3GPP TS 24.103 version 16.0.0 Release 16)	33.070.99	2020-07
ETSI TS 124105 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Application specific Congestion control for Data Communication (ACDC) Management Object (MO) (3GPP TS 24.105 version 16.0.0 Release 16)	33.070.99	2020-07
ETSI TS 124109 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Bootstrapping interface (Ub) and network application function interface (Ua) – Protocol details (3GPP TS 24.109 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 124116 V 16.0.0	LTE – Stage 3 aspects of system architecture enhancements for TV services (3GPP TS 24.116 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 124117 V 16.0.0	LTE – TV service configuration Management Object (MO) (3GPP TS 24.117 version 16.0.0 Release 16)	33.070.50	2020-07

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 124135 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Multicall supplementary service – Stage 3 (3GPP TS 24.135 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 124139 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – 3GPP system – fixed broadband access network interworking – Stage 3 (3GPP TS 24.139 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 124141 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Presence service using the IP Multimedia (IM) Core Network (CN) subsystem – Stage 3 (3GPP TS 24.141 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 124161 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Network-Based IP Flow Mobility (NBIFOM) – Stage 3 (3GPP TS 24.161 version 16.0.0 Release 16)	33.070.99	2020-07
ETSI TS 124171 V 16.0.0	LTE – Control Plane Location Services (LCS) procedures in the Evolved Packet System (EPS) (3GPP TS 24.171 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 124174 V 16.1.0	5G – Universal Mobile Telecommunications System (UMTS) – LTE – Support of multi-device and multi-identity in the IP Multimedia Subsystem (IMS) – Stage 3 (3GPP TS 24.174 version 16.1.0 Release 16)	33.070.50; 33.070.99	2020-07
ETSI TS 124182 V 16.3.1	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – IP Multimedia Subsystem (IMS) Customized Alerting Tones (CAT) – Protocol specification (3GPP TS 24.182 version 16.3.1 Release 16)	33.070.50	2020-07
ETSI TS 124183 V 16.4.0	Universal Mobile Telecommunications System (UMTS) – LTE – IP Multimedia Subsystem (IMS) Customized Ringing Signal (CRS) – Protocol specification (3GPP TS 24.183 version 16.4.0 Release 16)	33.070.50	2020-07
ETSI TS 124193 V 16.0.0	5G – 5G System – Access Traffic Steering, Switching and Splitting (ATSSS) – Stage 3 (3GPP TS 24.193 version 16.0.0 Release 16)	33.070.99	2020-07
ETSI TS 124216 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Communication Continuity Management Object (MO) (3GPP TS 24.216 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 124229 V 15.10.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – IP multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP) – Stage 3 (3GPP TS 24.229 version 15.10.0 Release 15)	33.070.50	2020-07
ETSI TS 124229 V 16.6.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – IP multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP) – Stage 3 (3GPP TS 24.229 version 16.6.0 Release 16)	33.070.50	2020-07
ETSI TS 124237 V 16.4.0	Universal Mobile Telecommunications System (UMTS) – LTE – IP Multimedia (IM) Core Network (CN) subsystem IP Multimedia Subsystem (IMS) service continuity – Stage 3 (3GPP TS 24.237 version 16.4.0 Release 16)	33.070.50	2020-07
ETSI TS 124238 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Session Initiation Protocol (SIP) based user configuration – Stage 3 (3GPP TS 24.238 version 16.0.0 Release 16)	33.070.50	2020-07

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 124244 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Wireless LAN control plane protocol for trusted WLAN access to EPC – Stage 3 (3GPP TS 24.244 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 124247 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Messaging service using the IP Multimedia (IM) Core Network (CN) subsystem – Stage 3 (3GPP TS 24.247 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 124279 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Combining Circuit Switched (CS) and IP Multimedia Subsystem (IMS) services – Stage 3 (3GPP TS 24.279 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 124281 V 14.9.0	LTE – Mission Critical Video (MCVideo) signalling control – Protocol specification (3GPP TS 24.281 version 14.9.0 Release 14)	33.070.99	2020-07
ETSI TS 124281 V 15.8.0	LTE – Mission Critical Video (MCVideo) signalling control – Protocol specification (3GPP TS 24.281 version 15.8.0 Release 15)	33.070.99	2020-07
ETSI TS 124281 V 16.4.0	LTE – Mission Critical Video (MCVideo) signalling control – Protocol specification (3GPP TS 24.281 version 16.4.0 Release 16)	33.070.99	2020-07
ETSI TS 124282 V 14.9.0	LTE – Mission Critical Data (MCData) signalling control – Protocol specification (3GPP TS 24.282 version 14.9.0 Release 14)	33.070.99	2020-07
ETSI TS 124282 V 15.8.0	LTE – Mission Critical Data (MCData) signalling control – Protocol specification (3GPP TS 24.282 version 15.8.0 Release 15)	33.070.99	2020-07
ETSI TS 124282 V 16.4.1	LTE – Mission Critical Data (MCData) signalling control – Protocol specification (3GPP TS 24.282 version 16.4.1 Release 16)	33.070.99	2020-07
ETSI TS 124285 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Allowed Closed Subscriber Group (CSG) list – Management Object (MO) (3GPP TS 24.285 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 124286 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – IP Multimedia (IM) Core Network (CN) subsystem Centralized Services (ICS) – Management Object (MO) (3GPP TS 24.286 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 124292 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – IP Multimedia (IM) Core Network (CN) subsystem Centralized Services (ICS) – Stage 3 (3GPP TS 24.292 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 124294 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – IP Multimedia Subsystem (IMS) Centralized Services (ICS) protocol via I1 interface (3GPP TS 24.294 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 124304 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Mobility management based on Mobile IPv4 – User Equipment (UE) – foreign agent interface – Stage 3 (3GPP TS 24.304 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 124312 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Access Network Discovery and Selection Function (ANDSF) Management Object (MO) (3GPP TS 24.312 version 16.0.0 Release 16)	33.070.50	2020-07

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 124315 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – IP Multimedia Subsystem (IMS) Operator Determined Barring (ODB) – Stage 3: protocol specification (3GPP TS 24.315 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 124322 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Tunnelling of IP Multimedia Subsystem (IMS) services over restrictive access networks – Stage 3 (3GPP TS 24.322 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 124334 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Proximity-services (ProSe) User Equipment (UE) to ProSe function protocol aspects – Stage 3 (3GPP TS 24.334 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 124337 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – IP Multimedia (IM) Core Network (CN) subsystem IP Multimedia Subsystem (IMS) inter-UE transfer – Stage 3 (3GPP TS 24.337 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 124368 V 16.4.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Non-Access Stratum (NAS) configuration Management Object (MO) (3GPP TS 24.368 version 16.4.0 Release 16)	33.070.50	2020-07
ETSI TS 124371 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Web Real-Time Communications (WebRTC) access to the IP Multimedia (IM) Core Network (CN) subsystem (IMS) – Stage 3 – Protocol specification (3GPP TS 24.371 version 16.0.0 Release 16)	33.070.99	2020-07
ETSI TS 124380 V 13.11.0	LTE – Mission Critical Push To Talk (MCPTT) media plane control – Protocol specification (3GPP TS 24.380 version 13.11.0 Release 13)	33.070.99	2020-07
ETSI TS 124380 V 14.9.0	LTE – Mission Critical Push To Talk (MCPTT) media plane control – Protocol specification (3GPP TS 24.380 version 14.9.0 Release 14)	33.070.99	2020-07
ETSI TS 124380 V 15.6.0	LTE – Mission Critical Push To Talk (MCPTT) media plane control – Protocol specification (3GPP TS 24.380 version 15.6.0 Release 15)	33.070.99	2020-07
ETSI TS 124380 V 16.5.0	LTE – Mission Critical Push To Talk (MCPTT) media plane control – Protocol specification (3GPP TS 24.380 version 16.5.0 Release 16)	33.070.99	2020-07
ETSI TS 124385 V 16.1.0	LTE – V2X services Management Object (MO) (3GPP TS 24.385 version 16.1.0 Release 16)	33.070.50	2020-07
ETSI TS 124386 V 14.5.0	LTE – User Equipment (UE) to V2X control function – protocol aspects – Stage 3 (3GPP TS 24.386 version 14.5.0 Release 14)	33.070.50	2020-07
ETSI TS 124386 V 15.3.0	LTE – User Equipment (UE) to V2X control function – protocol aspects – Stage 3 (3GPP TS 24.386 version 15.3.0 Release 15)	33.070.50	2020-07
ETSI TS 124386 V 16.0.0	LTE – User Equipment (UE) to V2X control function – protocol aspects – Stage 3 (3GPP TS 24.386 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 124390 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Unstructured Supplementary Service Data (USSD) using IP Multimedia (IM) Core Network (CN) subsystem IMS – Stage 3 (3GPP TS 24.390 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 124481 V 13.7.0	LTE – Mission Critical Services (MCS) group management – Protocol specification (3GPP TS 24.481 version 13.7.0 Release 13)	33.070.99	2020-07
ETSI TS 124481 V 14.6.0	LTE – Mission Critical Services (MCS) group management – Protocol specification (3GPP TS 24.481 version 14.6.0 Release 14)	33.070.99	2020-07



Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 124481 V 15.4.0	LTE – Mission Critical Services (MCS) group management – Protocol specification (3GPP TS 24.481 version 15.4.0 Release 15)	33.070.99	2020-07
ETSI TS 124481 V 16.2.0	LTE – Mission Critical Services (MCS) group management – Protocol specification (3GPP TS 24.481 version 16.2.0 Release 16)	33.070.99	2020-07
ETSI TS 124482 V 14.4.0	LTE – Mission Critical Services (MCS) identity management – Protocol specification (3GPP TS 24.482 version 14.4.0 Release 14)	33.070.99	2020-07
ETSI TS 124482 V 15.1.0	LTE – Mission Critical Services (MCS) identity management – Protocol specification (3GPP TS 24.482 version 15.1.0 Release 15)	33.070.99	2020-07
ETSI TS 124482 V 16.0.0	LTE – Mission Critical Services (MCS) identity management – Protocol specification (3GPP TS 24.482 version 16.0.0 Release 16)	33.070.99	2020-07
ETSI TS 124484 V 16.6.0	LTE – Mission Critical Services (MCS) configuration management – Protocol specification (3GPP TS 24.484 version 16.6.0 Release 16)	33.070.99	2020-07
ETSI TS 124486 V 16.0.0	LTE – 5G – Vehicle-to-Everything (V2X) Application Enabler (VAE) layer – Protocol aspects – Stage 3 (3GPP TS 24.486 version 16.0.0 Release 16)	33.070.99	2020-07
ETSI TS 124519 V 16.1.0	5G – 5G System (5GS) – Time-Sensitive Networking (TSN) Application Function (AF) to Device-Side TSN Translator (DS-TT) and Network-Side TSN Translator (NW-TT) protocol aspects – Stage 3 (3GPP TS 24.519 version 16.1.0 Release 16)	33.070.99	2020-07
ETSI TS 124523 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Core and enterprise Next Generation Network (NGN) interaction scenarios – Architecture and functional description (3GPP TS 24.523 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 124524 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Hosted enterprise services – Architecture, functional description and signalling (3GPP TS 24.524 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 124525 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Business trunking – Architecture and functional description (3GPP TS 24.525 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 124526 V 16.4.0	5G – User Equipment (UE) policies for 5G System (5GS) – Stage 3 (3GPP TS 24.526 version 16.4.0 Release 16)	33.070.99	2020-07
ETSI TS 124535 V 16.1.0	5G – 5G System (5GS) – Device-Side Time Sensitive Networking (TSN) Translator (DS-TT) to Network-Side TSN Translator (NW-TT) protocol aspects – Stage 3 (3GPP TS 24.535 version 16.1.0 Release 16)	33.070.99	2020-07
ETSI TS 124581 V 15.5.0	LTE – Mission Critical Video (MCVideo) media plane control – Protocol specification (3GPP TS 24.581 version 15.5.0 Release 15)	33.070.99	2020-07
ETSI TS 124581 V 16.5.0	LTE – Mission Critical Video (MCVideo) media plane control – Protocol specification (3GPP TS 24.581 version 16.5.0 Release 16)	33.070.99	2020-07
ETSI TS 124582 V 14.3.0	LTE – Mission Critical Data (MCData) media plane control – Protocol specification (3GPP TS 24.582 version 14.3.0 Release 14)	33.070.99	2020-07
ETSI TS 124582 V 15.1.0	LTE – Mission Critical Data (MCData) media plane control – Protocol specification (3GPP TS 24.582 version 15.1.0 Release 15)	33.070.99	2020-07

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ETSI TS 124582 V 16.1.0	LTE – Mission Critical Data (MCData) media plane control – Protocol specification (3GPP TS 24.582 version 16.1.0 Release 16)	33.070.99	2020-07
ETSI TS 124628 V 16.2.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Common Basic Communication procedures using IP Multimedia (IM) Core Network (CN) subsystem – Protocol specification (3GPP TS 24.628 version 16.2.0 Release 16)	33.070.50	2020-07
ETSI TR 124930 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Signalling flows for the session setup in the IP Multimedia core network Subsystem (IMS) based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP) – Stage 3 (3GPP TR 24.930 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TR 124969 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Business trunking – Next Generation Corporate Network (NGCN) – Next Generation Network (NGN) interfaces implementation guide (3GPP TR 24.969 version 16.0.0 Release 16)	33.070.99	2020-07
ETSI TR 124980 V 16.0.0	LTE – Minimum requirements for support of MCPTT service over the Gm reference point (3GPP TR 24.980 version 16.0.0 Release 16)	33.070.99	2020-07
ETSI TS 128307 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Telecommunication management – Quality of Experience (QoE) measurement collection Integration Reference Point (IRP) – Requirements (3GPP TS 28.307 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 128308 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Telecommunication management – Quality of Experience (QoE) measurement collection Integration Reference Point (IRP) – Information Service (IS) (3GPP TS 28.308 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 128405 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Telecommunication management – Quality of Experience (QoE) measurement collection – Control and configuration (3GPP TS 28.405 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 128406 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Telecommunication management – Quality of Experience (QoE) measurement collection – Information definition and transport (3GPP TS 28.406 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 128535 V 16.0.0	5G – LTE – Management and orchestration – Management services for communication service assurance – Requirements (3GPP TS 28.535 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 128536 V 16.0.0	LTE – 5G – Management and orchestration – Management services for communication service assurance – Stage 2 and stage 3 (3GPP TS 28.536 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 129010 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Information element mapping between Mobile Station – Base Station System (MS – BSS) and Base Station System – Mobile-services Switching Centre (BSS – MSC) – Signalling Procedures and the Mobile Application Part (MAP) (3GPP TS 29.010 version 16.0.0 Release 16)	33.070.50	2020-07

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ETSI TS 129011 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Signalling Interworking for supplementary services (3GPP TS 29.011 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 129013 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Signalling interworking between ISDN supplementary services – Application Service Element (ASE) and Mobile Application Part (MAP) protocols (3GPP TS 29.013 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 129078 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase X – CAMEL Application Part (CAP) specification (3GPP TS 29.078 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 129109 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Generic Authentication Architecture (GAA) – Zh and Zn Interfaces based on the Diameter protocol – Stage 3 (3GPP TS 29.109 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 129119 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – GPRS Tunnelling Protocol (GTP) specification for Gateway Location Register (GLR) (3GPP TS 29.119 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 129120 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Mobile Application Part (MAP) specification for Gateway Location Register (GLR) (3GPP TS 29.120 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 129139 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – 3GPP system – fixed broadband access network interworking – Home (e)Node B – security gateway interface (3GPP TS 29.139 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 129171 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Location Services (LCS) – LCS Application Protocol (LCS-AP) between the Mobile Management Entity (MME) and Evolved Serving Mobile Location Centre (E-SMLC) – SLs interface (3GPP TS 29.171 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 129172 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Location Services (LCS) – Evolved Packet Core (EPC) LCS Protocol (ELP) between the Gateway Mobile Location Centre (GMLC) and the Mobile Management Entity (MME) – SLg interface (3GPP TS 29.172 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 129173 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Location Services (LCS) – Diameter-based SLh interface for Control Plane LCS (3GPP TS 29.173 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 129202 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – Signalling System No. 7 (SS7) signalling transport in core network – Stage 3 (3GPP TS 29.202 version 16.0.0 Release 16)	33.070.50	2020-07

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ETSI TS 129204 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Signalling System No. 7 (SS7) security gateway – Architecture, functional description and protocol details (3GPP TS 29.204 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 129205 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – Application of Q.1900 series to bearer independent Circuit Switched (CS) core network architecture – Stage 3 (3GPP TS 29.205 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 129230 V 15.9.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Diameter applications – 3GPP specific codes and identifiers (3GPP TS 29.230 version 15.9.0 Release 15)	33.070.50	2020-07
ETSI TS 129231 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Application of SIP-I Protocols to Circuit Switched (CS) core network architecture – Stage 3 (3GPP TS 29.231 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 129232 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Media Gateway Controller (MGC) – Media Gateway (MGW) interface – Stage 3 (3GPP TS 29.232 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 129244 V 15.9.0	LTE – 5G – Interface between the Control Plane and the User Plane nodes (3GPP TS 29.244 version 15.9.0 Release 15)	33.070.99	2020-07
ETSI TS 129275 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Proxy Mobile IPv6 (PMIPv6) based Mobility and Tunnelling protocols – Stage 3 (3GPP TS 29.275 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 129276 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – 3GPP Evolved Packet System (EPS) – Optimized handover procedures and protocols between E-UTRAN access and cdma2000 HRPD Access – Stage 3 (3GPP TS 29.276 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 129277 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Optimised handover procedures and protocol between EUTRAN access and non-3GPP accesses (S102) – Stage 3 (3GPP TS 29.277 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 129278 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Customized Applications for Mobile network Enhanced Logic (CAMEL) Phase 4 – CAMEL Application Part (CAP) specification for IP Multimedia Subsystems (IMS) (3GPP TS 29.278 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 129279 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Mobile IPv4 (MIPv4) based mobility protocols – Stage 3 (3GPP TS 29.279 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 129280 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Evolved Packet System (EPS) – 3GPP Sv interface (MME to MSC, and SGSN to MSC) for SRVCC (3GPP TS 29.280 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 129282 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Mobile IPv6 vendor specific option format and usage within 3GPP (3GPP TS 29.282 version 16.0.0 Release 16)	33.070.50	2020-07



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ETSI TS 129283 V 16.0.0	LTE – Universal Mobile Telecommunications System (UMTS) – Diameter data management applications (3GPP TS 29.283 version 16.0.0 Release 16)	33.070.99	2020-07
ETSI TS 129305 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – InterWorking Function (IWF) between MAP based and Diameter based interfaces (3GPP TS 29.305 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 129329 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Sh interface based on the Diameter protocol – Protocol details (3GPP TS 29.329 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 129332 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Media Gateway Control Function (MGCF) – IM Media Gateway – Mn interface (3GPP TS 29.332 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 129335 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – User Data Convergence (UDC) – User data repository access protocol over the Ud interface – Stage 3 (3GPP TS 29.335 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 129336 V 15.8.0	Universal Mobile Telecommunications System (UMTS) – LTE – Home Subscriber Server (HSS) diameter interfaces for interworking with packet data networks and applications (3GPP TS 29.336 version 15.8.0 Release 15)	33.070.50	2020-07
ETSI TS 129337 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Diameter-based T4 Interface for communications with packet data networks and applications (3GPP TS 29.337 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 129338 V 15.2.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Diameter based protocols to support Short Message Service (SMS) capable Mobile Management Entities (MMEs) (3GPP TS 29.338 version 15.2.0 Release 15)	33.070.50	2020-07
ETSI TS 129338 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Diameter based protocols to support Short Message Service (SMS) capable Mobile Management Entities (MMEs) (3GPP TS 29.338 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 129344 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Proximity-services (ProSe) function to Home Subscriber Server (HSS) aspects – Stage 3 (3GPP TS 29.344 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 129345 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Inter-Proximity-services (ProSe) function signalling aspects – Stage 3 (3GPP TS 29.345 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 129364 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – IP Multimedia Subsystem (IMS) Application Server (AS) service data descriptions for AS interoperability (3GPP TS 29.364 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 129405 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Nq and Nq' Application Protocol (Nq-AP) – Stage 3 (3GPP TS 29.405 version 16.0.0 Release 16)	33.070.99	2020-07
ETSI TS 129500 V 15.6.0	5G – 5G System – Technical Realization of Service Based Architecture – Stage 3 (3GPP TS 29.500 version 15.6.0 Release 15)	33.070.99	2020-07

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ETSI TS 129502 V 15.8.0	5G – 5G System – Session Management Services – Stage 3 (3GPP TS 29.502 version 15.8.0 Release 15)	33.070.99	2020-07
ETSI TS 129502 V 16.4.0	5G – 5G System – Session Management Services – Stage 3 (3GPP TS 29.502 version 16.4.0 Release 16)	33.070.99	2020-07
ETSI TS 129503 V 15.7.0	5G – 5G System – Unified Data Management Services – Stage 3 (3GPP TS 29.503 version 15.7.0 Release 15)	33.070.99	2020-07
ETSI TS 129503 V 16.4.0	5G – 5G System – Unified Data Management Services – Stage 3 (3GPP TS 29.503 version 16.4.0 Release 16)	33.070.99	2020-07
ETSI TS 129504 V 15.7.0	5G – 5G System – Unified Data Repository Services – Stage 3 (3GPP TS 29.504 version 15.7.0 Release 15)	33.070.99	2020-07
ETSI TS 129504 V 16.4.0	5G – 5G System – Unified Data Repository Services – Stage 3 (3GPP TS 29.504 version 16.4.0 Release 16)	33.070.99	2020-07
ETSI TS 129505 V 15.7.0	5G – 5G System – Usage of the Unified Data Repository services for Subscription Data – Stage 3 (3GPP TS 29.505 version 15.7.0 Release 15)	33.070.99	2020-07
ETSI TS 129505 V 16.3.0	5G – 5G System – Usage of the Unified Data Repository services for Subscription Data – Stage 3 (3GPP TS 29.505 version 16.3.0 Release 16)	33.070.99	2020-07
ETSI TS 129509 V 16.4.0	5G – 5G System – Authentication Server Services – Stage 3 (3GPP TS 29.509 version 16.4.0 Release 16)	33.070.99	2020-07
ETSI TS 129510 V 15.7.0	5G – 5G System – Network function repository services – Stage 3 (3GPP TS 29.510 version 15.7.0 Release 15)	33.070.99	2020-07
ETSI TS 129510 V 16.4.0	5G – 5G System – Network function repository services – Stage 3 (3GPP TS 29.510 version 16.4.0 Release 16)	33.070.99	2020-07
ETSI TS 129511 V 16.2.0	5G – 5G System – Equipment Identity Register Services – Stage 3 (3GPP TS 29.511 version 16.2.0 Release 16)	33.070.99	2020-07
ETSI TS 129515 V 16.1.0	5G – 5G System – Gateway Mobile Location Services – Stage 3 (3GPP TS 29.515 version 16.1.0 Release 16)	33.070.99	2020-07
ETSI TS 129518 V 15.7.0	5G – 5G System – Access and Mobility Management Services – Stage 3 (3GPP TS 29.518 version 15.7.0 Release 15)	33.070.99	2020-07
ETSI TS 129518 V 16.4.0	5G – 5G System – Access and Mobility Management Services – Stage 3 (3GPP TS 29.518 version 16.4.0 Release 16)	33.070.99	2020-07
ETSI TS 129524 V 16.1.0	5G – 5G System – Cause codes mapping between 5GC interfaces – Stage 3 (3GPP TS 29.524 version 16.1.0 Release 16)	33.070.99	2020-07
ETSI TS 129526 V 16.0.0	5G–5G System–Network Slice-Specific Authentication and Authorization (NSSAA) services – Stage 3 (3GPP TS 29.526 version 16.0.0 Release 16)	33.070.99	2020-07
ETSI TS 129531 V 16.3.0	5G – 5G System – Network Slice Selection Services – Stage 3 (3GPP TS 29.531 version 16.3.0 Release 16)	33.070.99	2020-07
ETSI TS 129540 V 15.7.0	5G – 5G System – SMS Services – Stage 3 (3GPP TS 29.540 version 15.7.0 Release 15)	33.070.99	2020-07
ETSI TS 129540 V 16.4.0	5G – 5G System – SMS Services – Stage 3 (3GPP TS 29.540 version 16.4.0 Release 16)	33.070.99	2020-07
ETSI TS 129541 V 16.1.0	LTE – 5G – 5G System – Network Exposure (NE) function services for Non-IP Data Delivery (NIDD) – Stage 3 (3GPP TS 29.541 version 16.1.0 Release 16)	33.070.99	2020-07
ETSI TS 129542 V 16.1.0	LTE – 5G – 5G System – Session management services for Non-IP Data Delivery (NIDD) – Stage 3 (3GPP TS 29.542 version 16.1.0 Release 16)	33.070.50	2020-07
ETSI TS 129544 V 16.1.0	5G – 5G System – Secured Packet Application Function (SP-AF) services – Stage 3 (3GPP TS 29.544 version 16.1.0 Release 16)	33.070.99	2020-07

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ETSI TS 129550 V 16.1.0	5G – 5G System – Steering of roaming application function services – Stage 3 (3GPP TS 29.550 version 16.1.0 Release 16)	33.070.99	2020-07
ETSI TS 129562 V 16.1.0	5G – 5G System – Home Subscriber Server (HSS) services for interworking with the IP Multimedia Subsystem (IMS) – Stage 3 (3GPP TS 29.562 version 16.1.0 Release 16)	33.070.99	2020-07
ETSI TS 129563 V 16.1.0	5G – 5G System – Home Subscriber Server (HSS) services for interworking with Unified Data Management (UDM) – Stage 3 (3GPP TS 29.563 version 16.1.0 Release 16)	33.070.99	2020-07
ETSI TS 129571 V 16.4.0	5G – 5G System – Common Data Types for Service Based Interfaces – Stage 3 (3GPP TS 29.571 version 16.4.0 Release 16)	33.070.99	2020-07
ETSI TS 129572 V 16.3.0	5G – 5G System – Location Management Services – Stage 3 (3GPP TS 29.572 version 16.3.0 Release 16)	33.070.99	2020-07
ETSI TS 129573 V 16.3.0	5G – 5G System – Public Land Mobile Network (PLMN) Interconnection – Stage 3 (3GPP TS 29.573 version 16.3.0 Release 16)	33.070.99	2020-07
ETSI TS 129598 V 16.1.0	5G – Unstructured data storage services (3GPP TS 29.598 version 16.1.0 Release 16)	33.070.99	2020-07
ETSI TS 129673 V 16.1.0	LTE – 5G – 5G System – UE radio capability management services – Stage 3 (3GPP TS 29.673 version 16.1.0 Release 16)	33.070.50	2020-07
ETSI TS 129674 V 16.1.0	LTE – 5G – Interface between the UE radio Capability Management Function (UCMF) and the Mobility Management Entity (MME) – Stage 3 (3GPP TS 29.674 version 16.1.0 Release 16)	33.070.50	2020-07
ETSI TS 131101 V 15.3.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – UICC-terminal interface – Physical and logical characteristics (3GPP TS 31.101 version 15.3.0 Release 15)	33.070.50	2020-07
ETSI TS 131101 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – UICC-terminal interface – Physical and logical characteristics (3GPP TS 31.101 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 131102 V 15.10.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Characteristics of the Universal Subscriber Identity Module (USIM) application (3GPP TS 31.102 version 15.10.0 Release 15)	33.070.50	2020-07
ETSI TS 131102 V 16.4.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Characteristics of the Universal Subscriber Identity Module (USIM) application (3GPP TS 31.102 version 16.4.0 Release 16)	33.070.50	2020-07
ETSI TS 131104 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Characteristics of the Hosting Party Subscription Identity Module (HPSIM) application (3GPP TS 31.104 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 131111 V 15.9.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Universal Subscriber Identity Module (USIM) Application Toolkit (USAT) (3GPP TS 31.111 version 15.9.0 Release 15)	33.070.50	2020-07
ETSI TS 131111 V 16.1.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Universal Subscriber Identity Module (USIM) Application Toolkit (USAT) (3GPP TS 31.111 version 16.1.0 Release 16)	33.070.50	2020-07

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ETSI TS 131115 V 15.1.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Secured packet structure for (Universal) Subscriber Identity Module (U)SIM Toolkit applications (3GPP TS 31.115 version 15.1.0 Release 15)	33.070.50	2020-07
ETSI TS 131120 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – UICC-terminal interface – Physical, electrical and logical test specification (3GPP TS 31.120 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 131121 V 15.8.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – UICC-terminal interface – Universal Subscriber Identity Module (USIM) application test specification (3GPP TS 31.121 version 15.8.0 Release 15)	33.070.50	2020-07
ETSI TS 131121 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – UICC-terminal interface – Universal Subscriber Identity Module (USIM) application test specification (3GPP TS 31.121 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 131122 V 15.2.0	Universal Mobile Telecommunications System (UMTS) – LTE – Universal Subscriber Identity Module (USIM) conformance test specification (3GPP TS 31.122 version 15.2.0 Release 15)	33.070.50	2020-07
ETSI TS 131122 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Universal Subscriber Identity Module (USIM) conformance test specification (3GPP TS 31.122 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 131130 V 15.3.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – (U)SIM Application Programming Interface (API) – (U)SIMAPI for Java Card (3GPP TS 31.130 version 15.3.0 Release 15)	33.070.50	2020-07
ETSI TS 131133 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – IP Multimedia Services Identity Module (ISIM) Application Programming Interface (API) – ISIM API for Java Card (3GPP TS 31.133 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 131213 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Test specification for (U)SIM – Application Programming Interface (API) for Java Card (3GPP TS 31.213 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 131220 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Characteristics of the Contact Manager for 3GPP UICC applications (3GPP TS 31.220 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 131221 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Contact Manager Application Programming Interface (API) – Contact Manager API for Java Card (3GPP TS 31.221 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TR 131900 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – SIM/USIM internal and external interworking aspects (3GPP TR 31.900 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TR 131970 V 16.0.0	LTE – Universal Mobile Telecommunications System (UMTS) – UICC power optimisation for Machine-Type Communication (MTC) (3GPP TR 31.970 version 16.0.0 Release 16)	33.070.99	2020-07
ETSI TS 133434 V 16.0.0	LTE – 5G – Security aspects of Service Enabler Architecture Layer (SEAL) for verticals (3GPP TS 33.434 version 16.0.0 Release 16)	33.070.50	2020-07



Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 133535 V 16.0.0	5G – Authentication and Key Management for Applications (AKMA) based on 3GPP credentials in the 5G System (5GS) (3GPP TS 33.535 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 133536 V 16.0.0	LTE – 5G – Security aspects of 3GPP support for advanced Vehicle-to-Everything (V2X) services (3GPP TS 33.536 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TR 133935 V 16.0.0	LTE – 5G – Study on detailed Long Term Key Update Process (LTKUP) detailed solutions (3GPP TR 33.935 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 134109 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – Terminal logical test interface – Special conformance testing functions (3GPP TS 34.109 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 134131 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Test Specification for C-language binding to (Universal) Subscriber Interface Module ((U)SIM) Application Programming Interface (API) (3GPP TS 34.131 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 134229-1 V 15.4.0	Universal Mobile Telecommunications System (UMTS) – LTE – Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP) – User Equipment (UE) conformance specification – Part 1: Protocol conformance specification (3GPP TS 34.229-1 version 15.4.0 Release 15)	33.070.50	2020-07
ETSI TS 134229-2 V 15.3.0	Universal Mobile Telecommunications System (UMTS) – LTE – 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 15.3.0 Release 15)	33.070.50	2020-07
ETSI TS 134229-3 V 15.5.0	Universal Mobile Telecommunications System (UMTS) – LTE – 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 15.5.0 Release 15)	33.070.50	2020-07
ETSI TS 136104 V 15.9.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Base Station (BS) radio transmission and reception (3GPP TS 36.104 version 15.9.0 Release 15)	33.070.50	2020-07
ETSI TS 136104 V 16.6.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Base Station (BS) radio transmission and reception (3GPP TS 36.104 version 16.6.0 Release 16)	33.070.50	2020-07
ETSI TS 136106 V 16.0.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – FDD repeater radio transmission and reception (3GPP TS 36.106 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 136111 V 16.0.0	LTE – Location Measurement Unit (LMU) performance specification – Network based positioning systems in Evolved Universal Terrestrial Radio Access Network (E-UTRAN) (3GPP TS 36.111 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 136112 V 16.0.0	LTE – Location Measurement Unit (LMU) conformance specification – Network based positioning systems in Evolved Universal Terrestrial Radio Access Network (E-UTRAN) (3GPP TS 36.112 version 16.0.0 Release 16)	33.070.99	2020-07
ETSI TS 136116 V 16.0.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Relay radio transmission and reception (3GPP TS 36.116 version 16.0.0 Release 16)	33.070.50	2020-07

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 136117 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Relay conformance testing (3GPP TS 36.117 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 136141 V 8.13.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Base Station (BS) conformance testing (3GPP TS 36.141 version 8.13.0 Release 8)	33.070.50	2020-07
ETSI TS 136141 V 9.12.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Base Station (BS) conformance testing (3GPP TS 36.141 version 9.12.0 Release 9)	33.070.50	2020-07
ETSI TS 136141 V 10.14.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Base Station (BS) conformance testing (3GPP TS 36.141 version 10.14.0 Release 10)	33.070.50	2020-07
ETSI TS 136141 V 11.17.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Base Station (BS) conformance testing (3GPP TS 36.141 version 11.17.0 Release 11)	33.070.50	2020-07
ETSI TS 136141 V 12.14.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Base Station (BS) conformance testing (3GPP TS 36.141 version 12.14.0 Release 12)	33.070.50	2020-07
ETSI TS 136141 V 13.14.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Base Station (BS) conformance testing (3GPP TS 36.141 version 13.14.0 Release 13)	33.070.50	2020-07
ETSI TS 136141 V 14.11.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Base Station (BS) conformance testing (3GPP TS 36.141 version 14.11.0 Release 14)	33.070.50	2020-07
ETSI TS 136141 V 15.9.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Base Station (BS) conformance testing (3GPP TS 36.141 version 15.9.0 Release 15)	33.070.50	2020-07
ETSI TS 136141 V 16.6.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Base Station (BS) conformance testing (3GPP TS 36.141 version 16.6.0 Release 16)	33.070.50	2020-07
ETSI TS 136143 V 16.0.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – FDD repeater conformance testing (3GPP TS 36.143 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 136171 V 16.1.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Requirements for Support of Assisted Global Navigation Satellite System (A-GNSS) (3GPP TS 36.171 version 16.1.0 Release 16)	33.070.50	2020-07
ETSI TS 136201 V 16.0.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – LTE physical layer – General description (3GPP TS 36.201 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 136212 V 14.13.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Multiplexing and channel coding (3GPP TS 36.212 version 14.13.0 Release 14)	33.070.50	2020-07
ETSI TS 136212 V 15.10.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Multiplexing and channel coding (3GPP TS 36.212 version 15.10.0 Release 15)	33.070.50	2020-07
ETSI TS 136212 V 16.2.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Multiplexing and channel coding (3GPP TS 36.212 version 16.2.0 Release 16)	33.070.50	2020-07
ETSI TS 136214 V 16.1.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Physical layer – Measurements (3GPP TS 36.214 version 16.1.0 Release 16)	33.070.50	2020-07
ETSI TS 136216 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Physical layer for relaying operation (3GPP TS 36.216 version 16.0.0 Release 16)	33.070.50	2020-07

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 136300 V 15.10.0	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 15.10.0 Release 15)	33.070.50	2020-07
ETSI TS 136300 V 16.2.0	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 16.2.0 Release 16)	33.070.50	2020-07
ETSI TS 136302 V 13.8.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Services provided by the physical layer (3GPP TS 36.302 version 13.8.0 Release 13)	33.070.50	2020-07
ETSI TS 136302 V 14.6.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Services provided by the physical layer (3GPP TS 36.302 version 14.6.0 Release 14)	33.070.50	2020-07
ETSI TS 136302 V 15.3.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Services provided by the physical layer (3GPP TS 36.302 version 15.3.0 Release 15)	33.070.50	2020-07
ETSI TS 136302 V 16.1.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Services provided by the physical layer (3GPP TS 36.302 version 16.1.0 Release 16)	33.070.50	2020-07
ETSI TS 136304 V 15.6.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – User Equipment (UE) procedures in idle mode (3GPP TS 36.304 version 15.6.0 Release 15)	33.070.50	2020-07
ETSI TS 136304 V 16.1.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – User Equipment (UE) procedures in idle mode (3GPP TS 36.304 version 16.1.0 Release 16)	33.070.50	2020-07
ETSI TS 136305 V 15.5.0	LTE – Evolved Universal Terrestrial Radio Access Network (E-UTRAN) – Stage 2 functional specification of User Equipment (UE) positioning in E-UTRAN (3GPP TS 36.305 version 15.5.0 Release 15)	33.070.50	2020-07
ETSI TS 136305 V 16.1.0	LTE – Evolved Universal Terrestrial Radio Access Network (E-UTRAN) – Stage 2 functional specification of User Equipment (UE) positioning in E-UTRAN (3GPP TS 36.305 version 16.1.0 Release 16)	33.070.50	2020-07
ETSI TS 136306 V 13.13.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – User Equipment (UE) radio access capabilities (3GPP TS 36.306 version 13.13.0 Release 13)	33.070.50	2020-07
ETSI TS 136306 V 14.12.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – User Equipment (UE) radio access capabilities (3GPP TS 36.306 version 14.12.0 Release 14)	33.070.50	2020-07
ETSI TS 136306 V 15.9.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – User Equipment (UE) radio access capabilities (3GPP TS 36.306 version 15.9.0 Release 15)	33.070.50	2020-07
ETSI TS 136306 V 16.1.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – User Equipment (UE) radio access capabilities (3GPP TS 36.306 version 16.1.0 Release 16)	33.070.50	2020-07
ETSI TS 136307 V 16.2.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Requirements on User Equipments (UEs) supporting a release-independent frequency band (3GPP TS 36.307 version 16.2.0 Release 16)	33.070.50	2020-07
ETSI TS 136314 V 16.0.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Layer 2 – Measurements (3GPP TS 36.314 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 136321 V 15.9.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Medium Access Control (MAC) protocol specification (3GPP TS 36.321 version 15.9.0 Release 15)	33.070.50	2020-07
ETSI TS 136321 V 16.1.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Medium Access Control (MAC) protocol specification (3GPP TS 36.321 version 16.1.0 Release 16)	33.070.50	2020-07

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 136322 V 15.4.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Radio Link Control (RLC) protocol specification (3GPP TS 36.322 version 15.4.0 Release 15)	33.070.50	2020-07
ETSI TS 136322 V 16.0.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Radio Link Control (RLC) protocol specification (3GPP TS 36.322 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 136323 V 15.6.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Packet Data Convergence Protocol (PDCP) specification (3GPP TS 36.323 version 15.6.0 Release 15)	33.070.50	2020-07
ETSI TS 136323 V 16.1.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Packet Data Convergence Protocol (PDCP) specification (3GPP TS 36.323 version 16.1.0 Release 16)	33.070.50	2020-07
ETSI TS 136331 V 15.10.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Radio Resource Control (RRC) – Protocol specification (3GPP TS 36.331 version 15.10.0 Release 15)	33.070.50	2020-07
ETSI TS 136331 V 16.1.1	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Radio Resource Control (RRC) – Protocol specification (3GPP TS 36.331 version 16.1.1 Release 16)	33.070.50	2020-07
ETSI TS 136355 V 16.0.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – LTE Positioning Protocol (LPP) (3GPP TS 36.355 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 136360 V 16.0.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – LTE-WLAN Aggregation Adaptation Protocol (LWAAP) specification (3GPP TS 36.360 version 16.0.0 Release 16)	33.070.99	2020-07
ETSI TS 136361 V 16.0.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – LTE-WLAN Radio Level Integration Using Ipsec Tunnel (LWIP) encapsulation – Protocol specification (3GPP TS 36.361 version 16.0.0 Release 16)	33.070.99	2020-07
ETSI TS 136401 V 16.0.0	LTE – Evolved Universal Terrestrial Radio Access Network (E-UTRAN) – Architecture description (3GPP TS 36.401 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 136410 V 16.0.0	LTE – Evolved Universal Terrestrial Radio Access Network (E-UTRAN) – S1 general aspects and principles (3GPP TS 36.410 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 136411 V 16.0.0	LTE – Evolved Universal Terrestrial Radio Access Network (E-UTRAN) – S1 layer 1 (3GPP TS 36.411 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 136413 V 15.9.0	LTE – Evolved Universal Terrestrial Radio Access Network (E-UTRAN) – S1 Application Protocol (S1AP) (3GPP TS 36.413 version 15.9.0 Release 15)	33.070.50	2020-07
ETSI TS 136413 V 16.2.0	LTE – Evolved Universal Terrestrial Radio Access Network (E-UTRAN) – S1 Application Protocol (S1AP) (3GPP TS 36.413 version 16.2.0 Release 16)	33.070.50	2020-07
ETSI TS 136414 V 16.0.0	LTE – Evolved Universal Terrestrial Radio Access Network (E-UTRAN) – S1 data transport (3GPP TS 36.414 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 136420 V 16.0.0	LTE – Evolved Universal Terrestrial Radio Access Network (E-UTRAN) – X2 general aspects and principles (3GPP TS 36.420 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 136421 V 16.0.0	LTE – Evolved Universal Terrestrial Radio Access Network (E-UTRAN) – X2 layer 1 (3GPP TS 36.421 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 136423 V 15.10.0	LTE – Evolved Universal Terrestrial Radio Access Network (E-UTRAN) – X2 Application Protocol (X2AP) (3GPP TS 36.423 version 15.10.0 Release 15)	33.070.50	2020-07



Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 136423 V 16.2.0	LTE – Evolved Universal Terrestrial Radio Access Network (E-UTRAN) – X2 Application Protocol (X2AP) (3GPP TS 36.423 version 16.2.0 Release 16)	33.070.50	2020-07
ETSI TS 136424 V 16.0.0	LTE – Evolved Universal Terrestrial Radio Access Network (E-UTRAN) – X2 data transport (3GPP TS 36.424 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 136425 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Evolved Universal Terrestrial Radio Access Network (E-UTRAN) – X2 interface user plane protocol (3GPP TS 36.425 version 16.0.0 Release 16)	33.070.99	2020-07
ETSI TS 136440 V 16.0.0	LTE – Evolved Universal Terrestrial Radio Access Network (E-UTRAN) – General aspects and principles for interfaces supporting Multimedia Broadcast Multicast Service (MBMS) within E-UTRAN (3GPP TS 36.440 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 136441 V 16.0.0	LTE – Evolved Universal Terrestrial Radio Access Network (E-UTRAN) – Layer 1 for interfaces supporting Multimedia Broadcast Multicast Service (MBMS) within E-UTRAN (3GPP TS 36.441 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 136442 V 16.0.0	LTE – Evolved Universal Terrestrial Radio Access Network (E-UTRAN) – Signalling Transport for interfaces supporting Multimedia Broadcast Multicast Service (MBMS) within E-UTRAN (3GPP TS 36.442 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 136444 V 16.0.0	LTE – Evolved Universal Terrestrial Radio Access Network (E-UTRAN) – M3 Application Protocol (M3AP) (3GPP TS 36.444 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 136445 V 16.0.0	LTE – Evolved Universal Terrestrial Radio Access Network (E-UTRAN) – M1 data transport (3GPP TS 36.445 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 136456 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Evolved Universal Terrestrial Radio Access Network (E-UTRAN) – SLm interface general aspects and principles (3GPP TS 36.456 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 136457 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Evolved Universal Terrestrial Radio Access Network (E-UTRAN) – SLm interface layer 1 (3GPP TS 36.457 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 136458 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Evolved Universal Terrestrial Radio Access Network (E-UTRAN) – SLm interface signalling transport (3GPP TS 36.458 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 136459 V 16.0.0	LTE – Evolved Universal Terrestrial Radio Access Network (E-UTRAN) – SLm interface Application Protocol (SLmAP) (3GPP TS 36.459 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 136461 V 16.0.0	LTE – Evolved Universal Terrestrial Radio Access Network (E-UTRAN) and Wireless LAN (WLAN) – Xw layer 1 (3GPP TS 36.461 version 16.0.0 Release 16)	33.070.99	2020-07
ETSI TS 136462 V 16.0.0	LTE – Evolved Universal Terrestrial Radio Access Network (E-UTRAN) and Wireless LAN (WLAN) – Xw signalling transport (3GPP TS 36.462 version 16.0.0 Release 16)	33.070.99	2020-07
ETSI TS 136463 V 16.0.0	LTE – Evolved Universal Terrestrial Radio Access Network (E-UTRAN) and Wireless Local Area Network (WLAN) – Xw application protocol (XwAP) (3GPP TS 36.463 version 16.0.0 Release 16)	33.070.99	2020-07

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 136464 V 16.0.0	LTE – Evolved Universal Terrestrial Radio Access Network (E-UTRAN) and Wireless Local Area Network (WLAN) – Xw data transport (3GPP TS 36.464 version 16.0.0 Release 16)	33.070.99	2020-07
ETSI TS 136465 V 16.0.0	LTE – Evolved Universal Terrestrial Radio Access Network (E-UTRAN) and Wireless Local Area Network (WLAN) – Xw interface user plane protocol (3GPP TS 36.465 version 16.0.0 Release 16)	33.070.99	2020-07
ETSI TS 136521-2 V 16.5.0	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 16.5.0 Release 16)	33.070.50	2020-07
ETSI TS 136523-2 V 16.5.0	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 16.5.0 Release 16)	33.070.50	2020-07
ETSI TS 136579-1 V 14.7.0	LTE – Mission Critical (MC) services over LTE – Part 1: Common test environment (3GPP TS 36.579-1 version 14.7.0 Release 14)	33.070.99	2020-07
ETSI TS 136579-2 V 14.7.0	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 14.7.0 Release 14)	33.070.99	2020-07
ETSI TS 136579-4 V 14.3.0	LTE – Mission Critical (MC) services over LTE – Part 4: Test Applicability and Implementation Conformance Statement (ICS) proforma specification (3GPP TS 36.579-4 version 14.3.0 Release 14)	33.070.99	2020-07
ETSI TS 136579-5 V 13.6.0	LTE – Mission Critical (MC) services over LTE – Part 5: Abstract test suite (ATS) (3GPP TS 36.579-5 version 13.6.0 Release 13)	33.070.99	2020-07
ETSI TR 136903 V 15.3.0	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 15.3.0 Release 15)	33.070.50	2020-07
ETSI TR 136905 V 16.4.0	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 16.4.0 Release 16)	33.070.99	2020-07
ETSI TR 136912 V 16.0.0	LTE – Feasibility study for Further Advancements for E-UTRA (LTE-Advanced) (3GPP TR 36.912 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TR 136913 V 16.0.0	LTE – Requirements for further advancements for Evolved Universal Terrestrial Radio Access (E-UTRA) (LTE-Advanced) (3GPP TR 36.913 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TR 136921 V 16.0.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – FDD Home eNode B (HeNB) Radio Frequency (RF) requirements analysis (3GPP TR 36.921 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TR 136922 V 16.0.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – TDD Home eNode B (HeNB) Radio Frequency (RF) requirements analysis (3GPP TR 36.922 version 16.0.0 Release 16)	33.070.50	2020-07

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TR 136927 V 16.0.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Potential solutions for energy saving for E-UTRAN (3GPP TR 36.927 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TR 136931 V 16.0.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Radio Frequency (RF) requirements for LTE Pico Node B (3GPP TR 36.931 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TR 136932 V 16.0.0	LTE – Scenarios and requirements for small cell enhancements for E-UTRA and E-UTRAN (3GPP TR 36.932 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TR 136933 V 16.0.0	LTE – Study on Context Aware Service Delivery in RAN for LTE (3GPP TR 36.933 version 16.0.0 Release 16)	33.070.99	2020-07
ETSI TR 136942 V 16.0.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Radio Frequency (RF) system scenarios (3GPP TR 36.942 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 137144 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Digital cellular telecommunications system (Phase 2+) (GSM) – User Equipment (UE) and Mobile Station (MS) GSM, UTRA and E-UTRA over the air performance requirements (3GPP TS 37.144 version 16.0.0 Release 16)	33.070.99	2020-07
ETSI TS 137213 V 16.2.0	LTE – 5G – Physical layer procedures for shared spectrum channel access (3GPP TS 37.213 version 16.2.0 Release 16)	33.070.99	2020-07
ETSI TS 137320 V 16.1.0	Universal Mobile Telecommunications System (UMTS) – LTE – Universal Terrestrial Radio Access (UTRA) and Evolved Universal Terrestrial Radio Access (E-UTRA) – Radio measurement collection for Minimization of Drive Tests (MDT) – Overall description – Stage 2 (3GPP TS 37.320 version 16.1.0 Release 16)	33.070.50	2020-07
ETSI TS 137340 V 15.9.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – NR – Multi-connectivity – Overall description – Stage-2 (3GPP TS 37.340 version 15.9.0 Release 15)	33.070.99	2020-07
ETSI TS 137355 V 16.1.0	LTE – 5G – LTE Positioning Protocol (LPP) (3GPP TS 37.355 version 16.1.0 Release 16)	33.070.50	2020-07
ETSI TS 137571-1 V 16.5.0	Universal Mobile Telecommunications System (UMTS) – LTE – User Equipment (UE) conformance specification for UE positioning – Part 1: Conformance test specification (3GPP TS 37.571-1 version 16.5.0 Release 16)	33.070.50	2020-07
ETSI TS 137571-3 V 16.5.0	Universal Mobile Telecommunications System (UMTS) – LTE – User Equipment (UE) conformance specification for UE positioning – Part 3: Implementation Conformance Statement (ICS) (3GPP TS 37.571-3 version 16.5.0 Release 16)	33.070.50	2020-07
ETSI TR 137985 V 16.0.0	LTE – 5G – Overall description of Radio Access Network (RAN) aspects for Vehicle-to-everything (V2X) based on LTE and NR (3GPP TR 37.985 version 16.0.0 Release 16)	33.070.99	2020-07
ETSI TS 138101-1 V 15.10.0	5G – NR – User Equipment (UE) radio transmission and reception – Part 1: Range 1 Standalone (3GPP TS 38.101-1 version 15.10.0 Release 15)	33.070.99	2020-07
ETSI TS 138101-1 V 16.4.0	5G – NR – User Equipment (UE) radio transmission and reception – Part 1: Range 1 Standalone (3GPP TS 38.101-1 version 16.4.0 Release 16)	33.070.99	2020-07
ETSI TS 138101-2 V 15.10.0	5G – NR – User Equipment (UE) radio transmission and reception – Part 2: Range 2 Standalone (3GPP TS 38.101-2 version 15.10.0 Release 15)	33.070.99	2020-07

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 138101-2 V 16.4.0	5G – NR – User Equipment (UE) radio transmission and reception – Part 2: Range 2 Standalone (3GPP TS 38.101-2 version 16.4.0 Release 16)	33.070.99	2020-07
ETSI TS 138101-3 V 15.10.0	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 15.10.0 Release 15)	33.070.99	2020-07
ETSI TS 138101-3 V 16.4.0	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 16.4.0 Release 16)	33.070.99	2020-07
ETSI TS 138101-4 V 15.6.0	5G – NR – User Equipment (UE) radio transmission and reception – Part 4: Performance requirements (3GPP TS 38.101-4 version 15.6.0 Release 15)	33.070.99	2020-07
ETSI TS 138101-4 V 16.1.0	5G – NR – User Equipment (UE) radio transmission and reception – Part 4: Performance requirements (3GPP TS 38.101-4 version 16.1.0 Release 16)	33.070.99	2020-07
ETSI TS 138104 V 15.10.0	5G – NR – Base Station (BS) radio transmission and reception (3GPP TS 38.104 version 15.10.0 Release 15)	33.070.99	2020-07
ETSI TS 138104 V 16.4.0	5G – NR – Base Station (BS) radio transmission and reception (3GPP TS 38.104 version 16.4.0 Release 16)	33.070.99	2020-07
ETSI TS 138113 V 15.10.0	5G – NR – Base Station (BS) ElectroMagnetic Compatibility (EMC) (3GPP TS 38.113 version 15.10.0 Release 15)	33.070.99	2020-07
ETSI TS 138124 V 16.0.0	5G – NR – Electromagnetic compatibility (EMC) requirements for mobile terminals and ancillary equipment (3GPP TS 38.124 version 16.0.0 Release 16)	33.070.99	2020-07
ETSI TS 138141-1 V 15.6.0	5G – NR – Base Station (BS) conformance testing Part 1: Conducted conformance testing (3GPP TS 38.141-1 version 15.6.0 Release 15)	33.070.99	2020-07
ETSI TS 138141-1 V 16.4.0	5G – NR – Base Station (BS) conformance testing Part 1: Conducted conformance testing (3GPP TS 38.141-1 version 16.4.0 Release 16)	33.070.99	2020-07
ETSI TS 138141-2 V 15.6.0	5G – NR – Base Station (BS) conformance testing Part 2: Radiated conformance testing (3GPP TS 38.141-2 version 15.6.0 Release 15)	33.070.99	2020-07
ETSI TS 138141-2 V 16.4.0	5G – NR – Base Station (BS) conformance testing Part 2: Radiated conformance testing (3GPP TS 38.141-2 version 16.4.0 Release 16)	33.070.99	2020-07
ETSI TS 138171 V 16.0.0	5G – NR – Requirements for support of Assisted Global Navigation Satellite System (A-GNSS) (3GPP TS 38.171 version 16.0.0 Release 16)	33.070.99	2020-07
ETSI TS 138202 V 16.1.0	5G – NR – Services provided by the physical layer (3GPP TS 38.202 version 16.1.0 Release 16)	33.070.99	2020-07
ETSI TS 138211 V 16.2.0	5G – NR – Physical channels and modulation (3GPP TS 38.211 version 16.2.0 Release 16)	33.070.99	2020-07
ETSI TS 138212 V 15.9.0	5G – NR – Multiplexing and channel coding (3GPP TS 38.212 version 15.9.0 Release 15)	33.070.99	2020-07
ETSI TS 138212 V 16.2.0	5G – NR – Multiplexing and channel coding (3GPP TS 38.212 version 16.2.0 Release 16)	33.070.99	2020-07
ETSI TS 138213 V 15.10.0	5G – NR – Physical layer procedures for control (3GPP TS 38.213 version 15.10.0 Release 15)	33.070.99	2020-07
ETSI TS 138213 V 16.2.0	5G – NR – Physical layer procedures for control (3GPP TS 38.213 version 16.2.0 Release 16)	33.070.99	2020-07
ETSI TS 138214 V 15.10.0	5G – NR – Physical layer procedures for data (3GPP TS 38.214 version 15.10.0 Release 15)	33.070.99	2020-07
ETSI TS 138214 V 16.2.0	5G – NR – Physical layer procedures for data (3GPP TS 38.214 version 16.2.0 Release 16)	33.070.99	2020-07



Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 138215 V 15.7.0	5G – NR – Physical layer measurements (3GPP TS 38.215 version 15.7.0 Release 15)	33.070.99	2020-07
ETSI TS 138215 V 16.2.0	5G – NR – Physical layer measurements (3GPP TS 38.215 version 16.2.0 Release 16)	33.070.99	2020-07
ETSI TS 138300 V 15.10.0	5G – NR – NR and NG-RAN Overall description – Stage-2 (3GPP TS 38.300 version 15.10.0 Release 15)	33.070.99	2020-07
ETSI TS 138300 V 16.2.0	5G – NR – NR and NG-RAN Overall description – Stage-2 (3GPP TS 38.300 version 16.2.0 Release 16)	33.070.99	2020-07
ETSI TS 138304 V 15.7.0	5G – NR – User Equipment (UE) procedures in idle mode and in RRC Inactive state (3GPP TS 38.304 version 15.7.0 Release 15)	33.070.99	2020-07
ETSI TS 138304 V 16.1.0	5G – NR – User Equipment (UE) procedures in idle mode and in RRC Inactive state (3GPP TS 38.304 version 16.1.0 Release 16)	33.070.99	2020-07
ETSI TS 138305 V 15.6.0	5G – NG Radio Access Network (NG-RAN) – Stage 2 functional specification of User Equipment (UE) positioning in NG-RAN (3GPP TS 38.305 version 15.6.0 Release 15)	33.070.99	2020-07
ETSI TS 138305 V 16.1.0	5G – NG Radio Access Network (NG-RAN) – Stage 2 functional specification of User Equipment (UE) positioning in NG-RAN (3GPP TS 38.305 version 16.1.0 Release 16)	33.070.99	2020-07
ETSI TS 138306 V 15.10.0	5G – NR – User Equipment (UE) radio access capabilities (3GPP TS 38.306 version 15.10.0 Release 15)	33.070.99	2020-07
ETSI TS 138306 V 16.1.0	5G – NR – User Equipment (UE) radio access capabilities (3GPP TS 38.306 version 16.1.0 Release 16)	33.070.99	2020-07
ETSI TS 138307 V 15.6.0	5G – NR – Requirements on User Equipments (UEs) supporting a release-independent frequency band (3GPP TS 38.307 version 15.6.0 Release 15)	33.070.99	2020-07
ETSI TS 138307 V 16.3.0	5G – NR – Requirements on User Equipments (UEs) supporting a release-independent frequency band (3GPP TS 38.307 version 16.3.0 Release 16)	33.070.99	2020-07
ETSI TS 138314 V 16.0.0	5G – NR – Layer 2 measurements (3GPP TS 38.314 version 16.0.0 Release 16)	33.070.99	2020-07
ETSI TS 138321 V 15.9.0	5G – NR – Medium Access Control (MAC) protocol specification (3GPP TS 38.321 version 15.9.0 Release 15)	33.070.99	2020-07
ETSI TS 138321 V 16.1.0	5G – NR – Medium Access Control (MAC) protocol specification (3GPP TS 38.321 version 16.1.0 Release 16)	33.070.99	2020-07
ETSI TS 138322 V 16.1.0	5G – NR – Radio Link Control (RLC) protocol specification (3GPP TS 38.322 version 16.1.0 Release 16)	33.070.99	2020-07
ETSI TS 138323 V 16.1.0	5G – NR – Packet Data Convergence Protocol (PDCP) specification (3GPP TS 38.323 version 16.1.0 Release 16)	33.070.99	2020-07
ETSI TS 138331 V 15.10.0	5G – NR – Radio Resource Control (RRC) – Protocol specification (3GPP TS 38.331 version 15.10.0 Release 15)	33.070.99	2020-07
ETSI TS 138331 V 16.1.0	5G – NR – Radio Resource Control (RRC) – Protocol specification (3GPP TS 38.331 version 16.1.0 Release 16)	33.070.99	2020-07
ETSI TS 138340 V 16.1.0	5G – NR – Backhaul Adaptation Protocol (BAP) specification (3GPP TS 38.340 version 16.1.0 Release 16)	33.070.99	2020-07
ETSI TS 138401 V 15.8.0	5G – NG-RAN – Architecture description (3GPP TS 38.401 version 15.8.0 Release 15)	33.070.99	2020-07
ETSI TS 138401 V 16.2.0	5G – NG-RAN – Architecture description (3GPP TS 38.401 version 16.2.0 Release 16)	33.070.99	2020-07
ETSI TS 138410 V 16.2.0	5G – NG-RAN – NG general aspects and principles (3GPP TS 38.410 version 16.2.0 Release 16)	33.070.99	2020-07
ETSI TS 138411 V 16.0.0	5G – NG-RAN – NG layer 1 (3GPP TS 38.411 version 16.0.0 Release 16)	33.070.99	2020-07
ETSI TS 138413 V 15.8.0	5G – NG-RAN – NG Application Protocol (NGAP) (3GPP TS 38.413 version 15.8.0 Release 15)	33.070.99	2020-07

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 138413 V 16.2.0	5G – NG-RAN – NG Application Protocol (NGAP) (3GPP TS 38.413 version 16.2.0 Release 16)	33.070.99	2020-07
ETSI TS 138414 V 15.3.0	5G – NG-RAN – NG data transport (3GPP TS 38.414 version 15.3.0 Release 15)	33.070.99	2020-07
ETSI TS 138414 V 16.0.0	5G – NG-RAN – NG data transport (3GPP TS 38.414 version 16.0.0 Release 16)	33.070.99	2020-07
ETSI TS 138415 V 16.1.0	5G – NG-RAN – PDU session user plane protocol (3GPP TS 38.415 version 16.1.0 Release 16)	33.070.99	2020-07
ETSI TS 138420 V 16.0.0	5G – NG-RAN – Xn general aspects and principles (3GPP TS 38.420 version 16.0.0 Release 16)	33.070.99	2020-07
ETSI TS 138421 V 16.0.0	5G – NG-RAN – Xn layer 1 (3GPP TS 38.421 version 16.0.0 Release 16)	33.070.99	2020-07
ETSI TS 138423 V 15.8.0	5G – NG-RAN – Xn Application Protocol (XnAP) (3GPP TS 38.423 version 15.8.0 Release 15)	33.070.99	2020-07
ETSI TS 138423 V 16.2.0	5G – NG-RAN – Xn Application Protocol (XnAP) (3GPP TS 38.423 version 16.2.0 Release 16)	33.070.99	2020-07
ETSI TS 138424 V 16.0.0	5G – NG-RAN – Xn data transport (3GPP TS 38.424 version 16.0.0 Release 16)	33.070.99	2020-07
ETSI TS 138425 V 16.1.0	5G – NG-RAN – NR user plane protocol (3GPP TS 38.425 version 16.1.0 Release 16)	33.070.99	2020-07
ETSI TS 138460 V 16.1.0	5G – NG-RAN – E1 general aspects and principles (3GPP TS 38.460 version 16.1.0 Release 16)	33.070.99	2020-07
ETSI TS 138461 V 16.0.0	5G – NG-RAN – E1 layer 1 (3GPP TS 38.461 version 16.0.0 Release 16)	33.070.99	2020-07
ETSI TS 138462 V 16.0.0	5G – NG-RAN – E1 signalling transport (3GPP TS 38.462 version 16.0.0 Release 16)	33.070.99	2020-07
ETSI TS 138463 V 15.7.0	5G – NG-RAN – E1 Application Protocol (E1AP) (3GPP TS 38.463 version 15.7.0 Release 15)	33.070.99	2020-07
ETSI TS 138463 V 16.2.0	5G – NG-RAN – E1 Application Protocol (E1AP) (3GPP TS 38.463 version 16.2.0 Release 16)	33.070.99	2020-07
ETSI TS 138470 V 16.2.0	5G – NG-RAN – F1 general aspects and principles (3GPP TS 38.470 version 16.2.0 Release 16)	33.070.99	2020-07
ETSI TS 138471 V 16.0.0	5G – NG-RAN – F1 layer 1 (3GPP TS 38.471 version 16.0.0 Release 16)	33.070.99	2020-07
ETSI TS 138473 V 15.10.0	5G – NG-RAN – F1 Application Protocol (F1AP) (3GPP TS 38.473 version 15.10.0 Release 15)	33.070.99	2020-07
ETSI TS 138473 V 16.2.0	5G – NG-RAN – F1 Application Protocol (F1AP) (3GPP TS 38.473 version 16.2.0 Release 16)	33.070.99	2020-07
ETSI TS 138474 V 16.0.0	5G – NG-RAN – F1 data transport (3GPP TS 38.474 version 16.0.0 Release 16)	33.070.99	2020-07
ETSI TS 138508-2 V 16.4.0	5G – 5GS – User Equipment (UE) conformance specification – Part 2: Common Implementation Conformance Statement (ICS) proforma (3GPP TS 38.508-2 version 16.4.0 Release 16)	33.070.99	2020-07
ETSI TS 138509 V 15.8.0	5G – 5GS – Special conformance testing functions for User Equipment (UE) (3GPP TS 38.509 version 15.8.0 Release 15)	33.070.99	2020-07
ETSI TS 138521-3 V 16.4.0	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 16.4.0 Release 16)	33.070.99	2020-07
ETSI TS 138521-4 V 16.4.0	5G – NR – User Equipment (UE) conformance specification – Radio transmission and reception – Part 4: Performance (3GPP TS 38.521-4 version 16.4.0 Release 16)	33.070.99	2020-07

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 138522 V 16.4.0	5G – NR – User Equipment (UE) conformance specification – Applicability of radio transmission, radio reception and radio resource management test cases (3GPP TS 38.522 version 16.4.0 Release 16)	33.070.99	2020-07
ETSI TS 138523-2 V 16.4.0	5G – 5GS – User Equipment (UE) conformance specification – Part 2: Applicability of protocol test cases (3GPP TS 38.523-2 version 16.4.0 Release 16)	33.070.99	2020-07
ETSI TS 138523-3 V 15.8.0	5G – 5GS – User Equipment (UE) conformance specification – Part 3: Protocol Test Suites (3GPP TS 38.523-3 version 15.8.0 Release 15)	33.070.99	2020-07
ETSI TR 138903 V 16.4.0	5G – NR – Derivation of test tolerances and measurement uncertainty for User Equipment (UE) conformance test cases (3GPP TR 38.903 version 16.4.0 Release 16)	33.070.99	2020-07
ETSI TR 138905 V 16.4.0	5G – NR – Derivation of test points for radio transmission and reception User Equipment (UE) conformance test cases (3GPP TR 38.905 version 16.4.0 Release 16)	33.070.99	2020-07
ETSI TR 138912 V 16.0.0	5G – Study on New Radio (NR) access technology (3GPP TR 38.912 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TR 138913 V 16.0.0	5G – Study on scenarios and requirements for next generation access technologies (3GPP TR 38.913 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 143005 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Technical performance objectives (3GPP TS 43.005 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 143073 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Support of Localised Service Area (SoLSA) – Stage 2 (3GPP TS 43.073 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI TS 151010-4 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Mobile Station (MS) conformance specification – Part 4: Subscriber Identity Module (SIM) application toolkit conformance test specification (3GPP TS 51.010-4 version 16.0.0 Release 16)	33.070.50	2020-07
ETSI GS NFV-IFA031 V 3.4.1	Network Functions Virtualisation (NFV) Release 3 – Management and Orchestration – Requirements and interfaces specification for management of NFV-MANO	35.110	2020-07
EN 301545-2 V 1.3.1	Digital Video Broadcasting (DVB) – Second Generation DVB Interactive Satellite System (DVB-RCS2) – Part 2: Lower Layers for Satellite standard	33.170	2020-07
EN 303648 V 1.1.2	Reconfigurable Radio Systems (RRS) – Radio Equipment (RE) reconfiguration architecture	33.060.01	2020-07
EN 319412-2 V 2.2.1	Electronic Signatures and Infrastructures (ESI) – Certificate Profiles – Part 2: Certificate profile for certificates issued to natural persons	35.240.30	2020-07
EN 319412-3 V 1.2.1	Electronic Signatures and Infrastructures (ESI) – Certificate Profiles – Part 3: Certificate profile for certificates issued to legal persons	35.240.30	2020-07

## Međunarodna normizacija (ISO)

Oznaka norme	Naslov norme	ICS	Datum objave
ISO Guide 84	Guidelines for addressing climate change in standards	01.120; 13.020.01	2020-07
ISO 128-2	Technical product documentation (TPD) – General principles of representation – Part 2: Basic conventions for lines	01.100.01	2020-07
ISO 1585	Road vehicles – Engine test code – Net power	43.060.01	2020-07
ISO 1763	Textile floor coverings – Determination of number of tufts and/or loops per unit length and per unit area	97.150	2020-07
ISO 2000	Rubber, raw natural – Guidelines for the specification of technically specified rubber (TSR)	83.040.10	2020-07
ISO 2647	Wool – Determination of percentage of medullated fibres by the projection microscope	59.060.10	2020-07
ISO 3044	Essential oil of <i>Corymbia citriodora</i> (Hook.) K.D. Hill and L.A.S. Johnson (syn. <i>Eucalyptus citriodora</i> Hook.)	71.100.60	2020-07
ISO 3087	Iron ores – Determination of the moisture content of a lot	73.060.10	2020-07
ISO 3949	Plastics hoses and hose assemblies – Textile-reinforced types for hydraulic applications – Specification	23.100.40; 83.140.40	2020-07
ISO 3966	Measurement of fluid flow in closed conduits – Velocity area method using Pitot static tubes	17.120.10	2020-07
ISO 4209-2	Truck and bus tyres and rims (metric series) – Part 2: Rims	43.040.50	2020-07
ISO/TS 4210-10	Cycles – Safety requirements for bicycles – Part 10: Safety requirements for electrically power assisted cycles (EPACs)	43.150	2020-07
ISO 4468	Gear hobs – Accuracy requirements	21.200	2020-07
ISO 4499-1	Hardmetals – Metallographic determination of microstructure – Part 1: Photomicrographs and description	77.040.99; 77.160	2020-07
ISO 4499-2	Hardmetals – Metallographic determination of microstructure – Part 2: Measurement of WC grain size	77.040.99; 77.160	2020-07
ISO 4625-1	Binders for paints and varnishes – Determination of softening point – Part 1: Ring-and-ball method	87.060.20	2020-07
ISO 4652	Rubber compounding ingredients – Carbon black – Determination of specific surface area by nitrogen adsorption methods – Single-point procedures	83.040.20	2020-07
ISO 4925	Road vehicles – Specification of non-petroleum-based brake fluids for hydraulic systems	43.040.40; 75.120	2020-07
ISO 4926	Road vehicles – Hydraulic braking systems – Non-petroleum-based reference fluid	43.040.40; 75.120	2020-07
ISO 5165	Petroleum products – Determination of the ignition quality of diesel fuels – Cetane engine method	75.160.20	2020-07
ISO 6182-17	Fire protection – Automatic sprinkler systems – Part 17: Requirements and test methods for pressure reducing valves	13.220.20	2020-07
ISO 6647-1	Rice – Determination of amylose content – Part 1: Spectrophotometric method with a defatting procedure by methanol and with calibration solutions of potato amylose and waxy rice amylopectin	67.060	2020-07
ISO 6647-2	Rice – Determination of amylose content – Part 2: Spectrophotometric routine method without defatting procedure and with calibration from rice standards	67.060	2020-07
ISO 7540	Spices and condiments – Ground sweet and hot paprika ( <i>Capsicum annuum</i> L. and <i>Capsicum frutescens</i> L.) – Specifications	67.220.10	2020-07
ISO 7541	Spices and condiments – Spectrophotometric determination of the extractable colour in paprika	67.220.10	2020-07



Oznaka norme	Naslov norme	ICS	Datum objave
ISO 8521	Glass-reinforced thermosetting plastic (GRP) pipes – Test methods for the determination of the initial circumferential tensile wall strength	23.040.20	2020-07
ISO 9978	Radiation protection – Sealed sources – Leakage test methods	13.280	2020-07
ISO 10350-2	Plastics – Acquisition and presentation of comparable single-point data – Part 2: Long-fibre-reinforced plastics	83.120	2020-07
ISO 11691	Acoustics – Measurement of insertion loss of ducted silencers without flow – Laboratory survey method	91.120.20	2020-07
ISO 11812	Small craft – Watertight or quick-draining recesses and cockpits	47.080	2020-07
ISO 12131-1	Plain bearings – Hydrodynamic plain thrust pad bearings under steady-state conditions – Part 1: Calculation of thrust pad bearings	21.100.10	2020-07
ISO 12131-3	Plain bearings – Hydrodynamic plain thrust pad bearings under steady-state conditions – Part 3: Guide values for the calculation of thrust pad bearings	21.100.10	2020-07
ISO 12216	Small craft – Windows, portlights, hatches, deadlights and doors – Strength and watertightness requirements	47.080	2020-07
ISO 12402-2	Personal flotation devices – Part 2: Lifejackets, performance level 275 – Safety requirements	13.340.70	2020-07
ISO 12402-3	Personal flotation devices – Part 3: Lifejackets, performance level 150 – Safety requirements	13.340.70	2020-07
ISO 12402-4	Personal flotation devices – Part 4: Lifejackets, performance level 100 – Safety requirements	13.340.70	2020-07
ISO 12402-5	Personal flotation devices – Part 5: Buoyancy aids (level 50) – Safety requirements	13.340.70	2020-07
ISO 12402-6	Personal flotation devices – Part 6: Special application lifejackets and buoyancy aids – Safety requirements and additional test methods	13.340.70	2020-07
ISO 12402-7	Personal flotation devices – Part 7: Materials and components – Safety requirements and test methods	13.340.70	2020-07
ISO 12402-8	Personal flotation devices – Part 8: Accessories – Safety requirements and test methods	13.340.70	2020-07
ISO 12402-9	Personal flotation devices – Part 9: Evaluation	13.340.70	2020-07
ISO 12402-10	Personal flotation devices – Part 10: Selection and application of personal flotation devices and other relevant devices	13.340.70	2020-07
ISO 13017	Dentistry – Magnetic attachments	11.060.10	2020-07
ISO 13067	Microbeam analysis – Electron backscatter diffraction – Measurement of average grain size	71.040.50	2020-07
ISO 13161	Water quality – Polonium 210 – Test method using alpha spectrometry	13.060.60; 17.240	2020-07
ISO 13259	Thermoplastics piping systems for underground non-pressure applications – Test method for leaktightness of elastomeric sealing ring type joints	23.040.20; 91.140.80	2020-07
ISO 13304-1	Radiological protection – Minimum criteria for electron paramagnetic resonance (EPR) spectroscopy for retrospective dosimetry of ionizing radiation – Part 1: General principles	13.280; 17.240	2020-07
ISO 13304-2	Radiological protection – Minimum criteria for electron paramagnetic resonance (EPR) spectroscopy for retrospective dosimetry of ionizing radiation – Part 2: Ex vivo human tooth enamel dosimetry	13.280; 17.240	2020-07

Oznaka norme	Naslov norme	ICS	Datum objave
ISO 13885-1	Gel permeation chromatography (GPC) – Part 1: Tetrahydrofuran (THF) as eluent	87.060.20	2020-07
ISO 13885-2	Gel permeation chromatography (GPC) – Part 2: N,N-Dimethylacetamide (DMAC) as eluent	87.060.20	2020-07
ISO 13885-3	Gel permeation chromatography (GPC) – Part 3: Water as eluent	87.060.20	2020-07
ISO 14050	Environmental management – Vocabulary	01.040.13; 13.020.10	2020-07
ISO 14155	Clinical investigation of medical devices for human subjects – Good clinical practice	11.100.20	2020-07
ISO 14879-1	Implants for surgery – Total knee-joint prostheses – Part 1: Determination of endurance properties of knee tibial trays	11.040.40	2020-07
ISO 14955-3	Machine tools – Environmental evaluation of machine tools – Part 3: Principles for testing metal-cutting machine tools with respect to energy efficiency	25.080.01	2020-07
ISO 15638-20	Intelligent transport systems – Framework for cooperative telematics applications for regulated commercial freight vehicles (TARV) – Part 20: Weigh-in-motion monitoring	03.220.20; 35.240.60	2020-07
ISO 16140-4	Microbiology of the food chain – Method validation – Part 4: Protocol for method validation in a single laboratory	07.100.30	2020-07
ISO 16140-5	Microbiology of the food chain – Method validation – Part 5: Protocol for factorial interlaboratory validation for non-proprietary methods	07.100.30	2020-07
ISO 16175-1	Information and documentation – Processes and functional requirements for software for managing records – Part 1: Functional requirements and associated guidance for any applications that manage digital records	01.140.20	2020-07
ISO 16283-2	Acoustics – Field measurement of sound insulation in buildings and of building elements – Part 2: Impact sound insulation	91.060.30; 91.120.20	2020-07
ISO/TR 17051	Rubber, vulcanized – Guidelines for material specification	83.060	2020-07
ISO/TS 17573-2	Electronic fee collection – System architecture for vehicle related tolling – Part 2: Vocabulary	03.220.20; 35.240.60	2020-07
ISO 17871	Gas cylinders – Quick-release cylinder valves – Specification and type testing	23.020.35	2020-07
ISO 18340	Endoscopes – Trocar pins, trocar sleeves and endotherapy devices for use with trocar sleeves	11.040.55	2020-07
ISO 18941	Imaging materials – Colour reflection prints – Test method for ozone gas fading stability	37.040.20	2020-07
ISO 19014-4	Earth-moving machinery – Functional safety – Part 4: Design and evaluation of software and data transmission for safety-related parts of the control system	53.100	2020-07
ISO/TS 19163-2	Geographic information – Content components and encoding rules for imagery and gridded data – Part 2: Implementation schema	35.240.70	2020-07
ISO 19165-2	Geographic information – Preservation of digital data and metadata – Part 2: Content specifications for Earth observation data and derived digital products	35.240.70	2020-07
ISO 19453-6	Road vehicles – Environmental conditions and testing for electrical and electronic equipment for drive system of electric propulsion vehicles – Part 6: Traction battery packs and systems	43.040.10	2020-07

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ISO 19650-3	Organization and digitization of information about buildings and civil engineering works, including building information modelling (BIM) – Information management using building information modelling – Part 3: Operational phase of the assets	35.240.67; 91.010.01; 93.010	2020-07
ISO 19659-2	Railway applications – Heating, ventilation and air conditioning systems for rolling stock – Part 2: Thermal comfort	45.060.01	2020-07
ISO/TS 20224-1	Molecular biomarker analysis – Detection of animal-derived materials in foodstuffs and feedstuffs by real-time PCR – Part 1: Bovine DNA detection method	67.050	2020-07
ISO/TS 20224-2	Molecular biomarker analysis – Detection of animal-derived materials in foodstuffs and feedstuffs by real-time PCR – Part 2: Ovine DNA detection method	67.050	2020-07
ISO/TS 20224-3	Molecular biomarker analysis – Detection of animal-derived materials in foodstuffs and feedstuffs by real-time PCR – Part 3: Porcine DNA detection method	67.050	2020-07
ISO/TS 20224-4	Molecular biomarker analysis – Detection of animal-derived materials in foodstuffs and feedstuffs by real-time PCR – Part 4: Chicken DNA detection method	67.050	2020-07
ISO/TS 20224-5	Molecular biomarker analysis – Detection of animal-derived materials in foodstuffs and feedstuffs by real-time PCR – Part 5: Goat DNA detection method	67.050	2020-07
ISO/TS 20224-6	Molecular biomarker analysis – Detection of animal-derived materials in foodstuffs and feedstuffs by real-time PCR – Part 6: Horse DNA detection method	67.050	2020-07
ISO/TS 20224-7	Molecular biomarker analysis – Detection of animal-derived materials in foodstuffs and feedstuffs by real-time PCR – Part 7: Donkey DNA detection method	67.050	2020-07
ISO/TR 20416	Medical devices – Post-market surveillance for manufacturers	11.040.01	2020-07
ISO 20712-3	Water safety signs and beach safety flags – Part 3: Guidance for use	01.080.10	2020-07
ISO 20785-1	Dosimetry for exposures to cosmic radiation in civilian aircraft – Part 1: Conceptual basis for measurements	13.280; 49.020	2020-07
ISO 20785-2	Dosimetry for exposures to cosmic radiation in civilian aircraft – Part 2: Characterization of instrument response	13.280; 49.020	2020-07
ISO 21250-1	Rolling bearings – Noise testing of rolling bearing greases – Part 1: Basic principles, testing assembly and test machine	21.100.20	2020-07
ISO 21250-2	Rolling bearings – Noise testing of rolling bearing greases – Part 2: Test and evaluation method BQ+	21.100.20	2020-07
ISO 21250-3	Rolling bearings – Noise testing of rolling bearing greases – Part 3: Test and evaluation method MQ	21.100.20	2020-07
ISO 21250-4	Rolling bearings – Noise testing of rolling bearing greases – Part 4: Test and evaluation method NQ	21.100.20	2020-07
ISO 21292	Traditional Chinese medicine – Electric heating moxibustion equipment	11.040.99	2020-07
ISO/TS 21310	Traditional Chinese medicine – Microscopic examination of medicinal herbs	11.120.10	2020-07
ISO/TS 21488	Plastics – Test method for exposing polyolefins outdoors combining natural weathering and artificial irradiation	83.080.01	2020-07
ISO 21562	Ships and marine technology – Bunker fuel mass flow meters on receiving vessel – Requirements	47.020.30	2020-07
ISO 21625	Vocabulary related to bamboo and bamboo products	01.040.79; 79.040	2020-07

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ISO/TR 21724-1	Intelligent transport systems – Common Transport Service Account Systems – Part 1: Framework and use cases	03.220.20; 35.240.60	2020-07
ISO 21982	Assembly tools for screws and nuts – Ratcheting wrenches – Technical requirements	25.140.30	2020-07
ISO 22217	Traditional Chinese medicine – Storage requirements for raw materials and decoction pieces	11.020.99	2020-07
ISO 22232-1	Non-destructive testing – Characterization and verification of ultrasonic test equipment – Part 1: Instruments	19.100	2020-07
ISO 22256	Traditional Chinese medicine – Detection of irradiated natural products by photostimulated luminescence	11.120.10	2020-07
ISO 22258	Traditional Chinese medicine – Determination of pesticide residues in natural products by gas chromatography	11.120.10	2020-07
ISO 22580	Flares for combustion of biogas	27.190	2020-07
ISO 22738	Intelligent transport systems – Localized communications – Optical camera communication	35.240.60; 43.040.15	2020-07
ISO 22739	Blockchain and distributed ledger technologies – Vocabulary	01.040.35; 35.030; 35.240.40; 35.240.99	2020-07
ISO 22768	Raw rubber and rubber latex – Determination of the glass transition temperature by differential scanning calorimetry (DSC)	83.040.10; 83.060	2020-07
ISO 22772	Space systems – Requirements of launch vehicle (LV) to electrical ground support equipment (EGSE) interfaces	49.140	2020-07
ISO 22904	Additions for concrete	91.100.30	2020-07
ISO 22915-5	Industrial trucks – Verification of stability – Part 5: Single-side-loading trucks	53.060	2020-07
ISO 23044	Guidelines for softening and desalination of industrial wastewater for reuse	13.030.20; 13.030.40	2020-07
ISO 23132	Road vehicles – Extended Vehicle (ExVe) time critical applications – General requirements, definitions and classification methodology of time-constrained situations related to Road and ExVe Safety (RExVeS)	43.040.15	2020-07
ISO 23191	Traditional Chinese medicine – Determination of selected Aconitum alkaloids by high-performance liquid chromatography (HPLC)	11.120.10	2020-07
ISO 23208 AMD 1	Cryogenic vessels – Cleanliness for cryogenic service; Amendment 1	23.020.40	2020-07
ISO 23346	Radio-controlled clocks – Signal receiving measurement method	39.040.20	2020-07
ISO 23363	Electrodeposited coatings and related finishes – Electroless Ni-P-ceramic composite coatings	25.220.40	2020-07
ISO 23387	Building information modelling (BIM) – Data templates for construction objects used in the life cycle of built assets – Concepts and principles	35.240.67; 91.010.01	2020-07
ISO 23443	Infant formula and adult nutritionals – Determination of $\beta$ -carotene, lycopene and lutein by reversed-phase ultra-high performance liquid chromatography (RP-UHPLC)	67.050	2020-07
ISO 23464	Nitrile cleanroom gloves – Specification	83.140.99	2020-07
ISO 23472-1	Foundry machinery – Vocabulary – Part 1: General	01.040.25; 01.040.77; 25.120.30; 77.180	2020-07
ISO 23504-1	Document management applications – Raster image transport and storage – Part 1: Use of ISO 32000 (PDF/R-1)	35.240.30	2020-07



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ISO 23581	Petroleum products and related products – Determination of kinematic viscosity – Method by Stabinger type viscometer	75.080	2020-07
ISO/TS 23942	Determination of hydroxytyrosol and tyrosol content in extra virgin olive oils – Reverse phase high performance liquid chromatography (RP-HPLC)	67.200.10	2020-07
ISO 23952	Automation systems and integration – Quality information framework (QIF) – An integrated model for manufacturing quality information	25.040.40	2020-07
ISO 24034	Welding consumables – Solid wire electrodes, solid wires and rods for fusion welding of titanium and titanium alloys – Classification	25.160.20	2020-07
ISO 24613-2	Language resource management – Lexical markup framework (LMF) – Part 2: Machine-readable dictionary (MRD) model	01.020; 35.240.30	2020-07
ISO 24917	Space systems – General test requirements for launch vehicles	49.140	2020-07
ISO 25981	Road vehicles – Connectors for the electrical connection of towing and towed vehicles – Connectors for electronically monitored charging systems with 12 V or 24 V nominal supply voltage	43.040.10	2020-07
ISO 80601-2-84	Medical electrical equipment – Part 2-84: Particular requirements for the basic safety and essential performance of ventilators for the emergency medical services environment	11.040.10	2020-07

## Međunarodna normizacija (IEC)

Oznaka norme	Naslov norme	ICS	Datum objave
CISPR 36	Electric and hybrid electric road vehicles – Radio disturbance characteristics – Limits and methods of measurement for the protection of off-board receivers below 30 MHz	33.100.10; 33.100.20; 43.120	2020-07
IEC 60068-3-7	Environmental testing – Part 3-7: Supporting documentation and guidance – Measurements in temperature chambers for tests A (Cold) and B (Dry heat) (with load)	19.040; 29.020	2020-07
IEC 60076-11 Interpretation Sheet 1	Interpretation Sheet 1 – Power transformers – Part 11: Dry-type transformers	29.180	2020-07
IEC 60076-24	Power transformers – Part 24: Specification of voltage regulating distribution transformers (VRDT)	29.180	2020-07
IEC 60120	Ball and socket couplings of string insulator units – Dimensions	29.080.10; 29.240.20	2020-07
IEC 60127-3 AMD 1	Miniature fuses – Part 3: Sub-miniature fuse-links; Amendment 1	29.120.50	2020-07
IEC 60127-3 Edition 3.1	Miniature fuses – Part 3: Sub-miniature fuse-links	29.120.50	2020-07
IEC 60352-5	Solderless connections – Part 5: Press-in connections – General requirements, test methods and practical guidance	31.220.10	2020-07
IEC 60372	Locking devices for ball and socket couplings of string insulator units – Dimensions and tests	29.080.10; 29.240.20	2020-07
IEC 60471	Clevis and tongue couplings of string insulator units – Dimensions	29.080.10; 29.240.20	2020-07
IEC 60598-2-23	Luminaires – Part 2-23: Particular requirements – Extra-low-voltage lighting systems for ELV light sources	29.140.40	2020-07
IEC 60601-1-6 AMD 2	Medical electrical equipment – Part 1-6: General requirements for basic safety and essential performance – Collateral standard: Usability; Amendment 2	11.040.01	2020-07
IEC 60601-1-6 Edition 3.2	Medical electrical equipment – Part 1-6: General requirements for basic safety and essential performance – Collateral standard: Usability	11.040.01	2020-07
IEC 60601-1-8 AMD 2	Medical electrical equipment – Part 1-8: General requirements for basic safety and essential performance – Collateral standard: General requirements, tests and guidance for alarm systems in medical electrical equipment and medical electrical systems; Amendment 2	11.040.01; 11.040.55	2020-07
IEC 60601-1-8 Edition 2.2	Medical electrical equipment – Part 1-8: General requirements for basic safety and essential performance – Collateral standard: General requirements, tests and guidance for alarm systems in medical electrical equipment and medical electrical systems	11.040.01; 11.040.55	2020-07
IEC 60601-1-9 AMD 2	Medical electrical equipment – Part 1-9: General requirements for basic safety and essential performance – Collateral Standard: Requirements for environmentally conscious design; Amendment 2	11.040.01; 13.020.01	2020-07
IEC 60601-1-9 Edition 1.2	Medical electrical equipment – Part 1-9: General requirements for basic safety and essential performance – Collateral Standard: Requirements for environmentally conscious design	11.040.01; 13.020.01	2020-07
IEC 60601-1-10 AMD 2	Medical electrical equipment – Part 1-10: General requirements for basic safety and essential performance – Collateral Standard: Requirements for the development of physiologic closed-loop controllers; Amendment 2	11.040.01	2020-07

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IEC 60601-1-10 Edition 1.2	Medical electrical equipment – Part 1-10: General requirements for basic safety and essential performance – Collateral Standard: Requirements for the development of physiologic closed-loop controllers	11.040.01	2020-07
IEC 60601-1-11 AMD 1	Medical electrical equipment – Part 1-11: General requirements for basic safety and essential performance – Collateral Standard: Requirements for medical electrical equipment and medical electrical systems used in the home healthcare environment; Amendment 1	11.020.10; 11.040.01	2020-07
IEC 60601-1-11 Edition 2.1	Medical electrical equipment – Part 1-11: General requirements for basic safety and essential performance – Collateral Standard: Requirements for medical electrical equipment and medical electrical systems used in the home healthcare environment	11.020.10; 11.040.01	2020-07
IEC 60601-1-12 AMD 1	Medical electrical equipment – Part 1-12: General requirements for basic safety and essential performance – Collateral Standard: Requirements for medical electrical equipment and medical electrical systems intended for use in the emergency medical services environment; Amendment 1	11.040.01; 11.040.10	2020-07
IEC 60601-1-12 Edition 1.1	Medical electrical equipment – Part 1-12: General requirements for basic safety and essential performance – Collateral Standard: Requirements for medical electrical equipment and medical electrical systems intended for use in the emergency medical services environment	11.040.01; 11.040.10	2020-07
IEC 60747-5-5	Semiconductor devices – Part 5-5: Optoelectronic devices – Photocouplers	31.080.01; 31.260	2020-07
IEC 60747-16-5 AMD 1	Semiconductor devices – Part 16-5: Microwave integrated circuits – Oscillators; Amendment 1	31.080.99	2020-07
IEC 60747-16-5 Edition 1.1	Semiconductor devices – Part 16-5: Microwave integrated circuits – Oscillators	31.080.99	2020-07
IEC 60749-15	Semiconductor devices – Mechanical and climatic test methods – Part 15: Resistance to soldering temperature for through-hole mounted devices	31.080.01	2020-07
IEC 60749-41	Semiconductor devices – Mechanical and climatic test methods – Part 41: Standard reliability testing methods of non-volatile memory devices	31.080.01	2020-07
IEC 60839-11-5	Alarm and electronic security systems – Part 11-5: Electronic access control systems – Open supervised device protocol (OSDP)	13.320	2020-07
IEC 60947-4-3	Low-voltage switchgear and controlgear – Part 4-3: Contactors and motor-starters – Semiconductor controllers and semiconductor contactors for non-motor loads	29.130.20; 31.180	2020-07
IEC 61000-3-2 AMD 1	Electromagnetic compatibility (EMC) – Part 3-2: Limits – Limits for harmonic current emissions (equipment input current $\leq$ 16 A per phase); Amendment 1	33.100.10	2020-07
IEC 61000-3-2 Edition 5.1	Electromagnetic compatibility (EMC) – Part 3-2: Limits – Limits for harmonic current emissions (equipment input current $\leq$ 16 A per phase)	33.100.10	2020-07
IEC 61000-6-3	Electromagnetic compatibility (EMC) – Part 6-3: Generic standards – Emission standard for equipment in residential environments	33.100.10	2020-07
IEC 61000-6-8	Electromagnetic compatibility (EMC) – Part 6-8: Generic standards – Emission standard for professional equipment in commercial and light-industrial locations	33.100.10	2020-07

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IEC 61007	Transformers and inductors for use in electronic and telecommunication equipment – Measuring methods and test procedures	29.100.10; 29.180	2020-07
IEC 61031	Nuclear facilities – Instrumentation and control systems – Design, location and application criteria for installed area gamma radiation dose rate monitoring equipment for use during normal operation and anticipated operational occurrences	13.280; 17.240; 27.120.10	2020-07
IEC/PAS 61076-2-010	Connectors for electrical and electronic equipment – Product requirements – Part 2-010: Circular connectors – Detail specification for push-pull connectors with locking mechanism, based on mating interfaces according to IEC 61076-2-101, IEC 61076-2-109, IEC 61076-2-111 and IEC 61076-2-113	31.220.10	2020-07
IEC 61076-2-012	Connectors for electrical and electronic equipment – Product requirements – Part 2-012: Circular connectors – Detail specification for connectors with inner pushpull locking based on M12 connector interfaces according to IEC 61076-2-101, IEC 61076-2-109, IEC 61076-2-111 and IEC 61076-2-113	31.220.10	2020-07
IEC 61169-1-4	Radio-frequency connectors – Part 1-4: Electrical test methods – Voltage standing wave ratio, return loss and reflection coefficient	33.120.30	2020-07
IEC 61280-4-5	Fibre-optic communication subsystem test procedures – Part 4-5: Installed cabling plant – Attenuation measurement of MPO terminated fibre optic cabling plant using test equipment with MPO interfaces	33.180.01; 33.180.10	2020-07
IEC 61400-27-1	Wind energy generation systems – Part 27-1: Electrical simulation models – Generic models	27.180	2020-07
IEC 61400-27-2	Wind energy generation systems – Part 27-2: Electrical simulation models – Model validation	27.180	2020-07
IEC 61439-2	Low-voltage switchgear and controlgear assemblies – Part 2: Power switchgear and controlgear assemblies	29.130.20	2020-07
IEC 61496-1	Safety of machinery – Electro-sensitive protective equipment – Part 1: General requirements and tests	13.110; 29.260.99	2020-07
IEC 61496-2	Safety of machinery – Electro-sensitive protective equipment – Part 2: Particular requirements for equipment using active opto-electronic protective devices (AOPDs)	13.110; 29.260.99; 31.260	2020-07
IEC 61534-1 AMD 2	Powertrack systems – Part 1: General requirements; Amendment 2	29.060.10; 29.120.10; 29.140.50	2020-07
IEC 61534-1 Edition 2.2	Powertrack systems – Part 1: General requirements	29.060.10; 29.120.10; 29.140.50	2020-07
IEC/TR 61547-1	Equipment for general lighting purposes – EMC immunity requirements – Part 1: Objective light flickermeter and voltage fluctuation immunity test method	29.140.20; 33.100.20	2020-07
IEC 61757-4-3	Fibre optic sensors – Part 4-3: Electric current measurement – Polarimetric method	33.180.99	2020-07
IEC 61760-1	Surface mounting technology – Part 1: Standard method for the specification of surface mounting components (SMDs)	31.240	2020-07
IEC/TR 61850-90-12	Communication networks and systems for power utility automation – Part 90-12: Wide area network engineering guidelines	33.040.40; 33.200	2020-07
IEC 62020-1 Corrigendum 1	Electrical accessories – Residual current monitors (RCMs) – Part 1: RCMs for household and similar uses; Corrigendum 1	29.120.50	2020-07



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IEC 62109-3	Safety of power converters for use in photovoltaic power systems – Part 3: Particular requirements for electronic devices in combination with photovoltaic elements	27.160; 29.200	2020-07
IEC 62149-3	Fibre optic active components and devices – Performance standards – Part 3: Modulator-integrated laser diode transmitters for 40-Gbit/s fibre optic transmission systems	33.180.20; 33.180.30	2020-07
IEC 62153-4-9 AMD 1	Metallic communication cable test methods – Part 4-9: Electromagnetic compatibility (EMC) – Coupling attenuation of screened balanced cables, triaxial method; Amendment 1	33.100.10; 33.120.10	2020-07
IEC 62153-4-9 Edition 2.1	Metallic communication cable test methods – Part 4-9: Electromagnetic compatibility (EMC) – Coupling attenuation of screened balanced cables, triaxial method	33.100.10; 33.120.10	2020-07
IEC 62271-108	High-voltage switchgear and controlgear – Part 108: High-voltage alternating current disconnecting circuit-breakers for rated voltages above 52 kV	29.130.10	2020-07
IEC 62351-4 AMD 1	Power systems management and associated information exchange – Data and communications security – Part 4: Profiles including MMS and derivatives; Amendment 1	33.200; 35.030; 35.240.50	2020-07
IEC 62351-4 Edition 1.1	Power systems management and associated information exchange – Data and communications security – Part 4: Profiles including MMS and derivatives	33.200; 35.030; 35.240.50	2020-07
IEC 62373-1	Semiconductor devices – Bias-temperature stability test for metal-oxide, semiconductor, field-effect transistors (MOSFET) – Part 1: Fast BTI test for MOSFET	31.080.30	2020-07
IEC 62433-1 Corrigendum 1	EMC IC modelling – Part 1: General modelling framework; Corrigendum 1	31.200; 33.100.20	2020-07
IEC 62435-8	Electronic components – Long-term storage of electronic semiconductor devices – Part 8: Passive electronic devices	31.020	2020-07
IEC 62541-3	OPC unified architecture – Part 3: Address Space Model	25.040.40; 35.100.05; 35.200; 35.240.50	2020-07
IEC 62541-4	OPC unified architecture – Part 4: Services	25.040.40; 35.100.05; 35.200; 35.240.50	2020-07
IEC 62541-5	OPC unified architecture – Part 5: Information Model	25.040.40; 35.100.05; 35.200; 35.240.50	2020-07
IEC 62541-6	OPC unified architecture – Part 6: Mappings	25.040.40; 35.100.05; 35.200; 35.240.50	2020-07
IEC 62541-10	OPC unified architecture – Part 10: Programs	25.040.40; 35.100.05; 35.200; 35.240.50	2020-07
IEC 62541-14	OPC unified architecture – Part 14: PubSub	25.040.40; 35.100.05; 35.200; 35.240.50	2020-07
IEC/TR 62595-1-4	Display lighting unit – Part 1-4: Glass light guide plate	31.120; 31.260	2020-07
IEC/TS 62607-6-1	Nanomanufacturing – Key control characteristics – Part 6-1: Graphene-based material – Volume resistivity: four probe method	07.120	2020-07
IEC/TS 62607-6-13	Nanomanufacturing – Key control characteristics – Part 6-13: Graphene powder – Oxygen functional group content: Boehm titration method	07.120	2020-07
IEC 62755 AMD 1	Radiation protection instrumentation – Data format for radiation instruments used in the detection of illicit trafficking of radioactive materials; Amendment 1	13.280; 17.240	2020-07

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IEC 62755 Edition 1.1	Radiation protection instrumentation – Data format for radiation instruments used in the detection of illicit trafficking of radioactive materials	13.280; 17.240	2020-07
IEC 62790	Junction boxes for photovoltaic modules – Safety requirements and tests	27.160; 29.120.10	2020-07
IEC 62841-2-6	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 2-6: Particular requirements for hand-held hammers	25.140.20	2020-07
IEC 62885-4	Surface cleaning appliances – Part 4: Cordless dry vacuum cleaners for household or similar use – Methods for measuring the performance	97.080	2020-07
IEC 62890	Industrial-process measurement, control and automation – Life-cycle-management for systems and components	25.040.40; 35.240.50	2020-07
IEC 62891	Maximum power point tracking efficiency of grid connected photovoltaic inverters	27.160	2020-07
IEC 62966-2	Mechanical structures for electrical and electronic equipment – Aisle containment for it cabinets – Part 2: Details of air flow, air separation and air cooling requirements	31.240	2020-07
IEC 63068-3	Semiconductor devices – Non-destructive recognition criteria of defects in silicon carbide homoepitaxial wafer for power devices – Part 3: Test method for defects using photoluminescence	31.080.01; 31.080.99; 31.200	2020-07
IEC/TR 63099-2	Transmitting equipment for radiocommunication – Radio-over-fibre technologies for electromagnetic-field measurement – Part 2: Radio-over-fibre technologies for electric-field sensing	33.060.20; 33.180.99	2020-07
IEC 63103	Lighting equipment – Non-active mode power measurement	29.140.01; 29.140.99; 91.160.01	2020-07
IEC 63152	Smart cities – City service continuity against disasters – The role of the electrical supply	03.100.70; 13.020.20; 29.240.01; 35.240.99; 91.140.50	2020-07
IEC/TR 63164-2	Reliability of industrial automation devices and systems – Part 2: System reliability	25.040.01	2020-07
IEC SRD 63199	Top priority standards development status in the domain of smart energy	27.010; 29.020	2020-07
IEC 63252	Energy consumption of vending machines	27.015; 55.230; 97.130.20	2020-07
ISO/IEC 10373-6	Cards and security devices for personal identification – Test methods – Part 6: Contactless proximity objects	35.240.15	2020-07
ISO/IEC 14443-2	Cards and security devices for personal identification – Contactless proximity objects – Part 2: Radio frequency power and signal interface	35.240.15	2020-07
ISO/IEC 23396	Systems and software engineering – Capabilities of review tools	35.080	2020-07