

# Hrvatski zavod za norme

## Oglasnik za normativne dokumente

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

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

Izdavač:



HZN

**Hrvatski zavod za norme**  
Croatian Standards Institute

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# 1 Rezultati hrvatske normizacije

## 1.1 Hrvatske norme

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

Hrvatske norme mogu nastati na ova četiri načina:

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

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

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

HRN EN 14972-1:2021 en pr  
Stabilni protupožarni sustavi – Sustavi vodene magle – 1. dio: Projektiranje, ugradnja, nadzor i održavanje (EN 14972-1:2020)  
Fixed firefighting systems – Water mist systems – Part 1: Design, installation, inspection and maintenance (EN 14972-1:2020)

### HZN/TO 22, Cestovna vozila

HRN ISO 3780:2011/Ispr.1:2021 en pr  
Cestovna vozila – Međunarodni identifikacijski kod proizvođača – Tehnički ispravak 1 (ISO 3780:2009/Cor 1:2010)  
Road vehicles – World manufacturer identifier (WMI) code – Technical Corrigendum 1 (ISO 3780:2009/Cor 1:2010)

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

HRN EN ISO 4259-1:2018/A2:2021 en pr  
Nafta i srodni proizvodi – Preciznost mjernih metoda i rezultata – 1. dio: Određivanje podataka o preciznosti u odnosu na metode ispitivanja (ISO 4259-1:2017/Amd 2:2020; EN ISO 4259-1:2017/A2:2020)  
Petroleum and related products – Precision of measurement methods and results – Part 1: Determination of precision data in relation to methods of test (ISO 4259-1:2017/Amd 2:2020; EN ISO 4259-1:2017/A2:2020)

HRN EN 15199-1:2021 en pr  
Naftni proizvodi – Određivanje područja vrenja metodom plinske kromatografije – 1. dio: Srednji destilati i maziva bazna ulja (EN 15199-1:2020)  
Petroleum products – Determination of boiling range distribution by gas chromatography method – Part 1: Middle distillates and lubricating base oils (EN 15199-1:2020)

HRN EN 15199-2:2021 en pr  
Naftni proizvodi – Određivanje područja vrenja metodom plinske kromatografije – 2. dio: Teški destilati i ostatna goriva (EN 15199-2:2020)  
Petroleum products – Determination of boiling range distribution by gas chromatography method – Part 2: Heavy distillates and residual fuels (EN 15199-2:2020)

HRN EN 15199-3:2021 en pr  
Naftni proizvodi – Određivanje područja vrenja metodom plinske kromatografije – 3. dio: Nafta (EN 15199-3:2020)  
Petroleum products – Determination of boiling range distribution by gas chromatography method – Part 3: Crude oil (EN 15199-3:2020)

### HZN/TO 43, Akustika

HRN EN ISO 717-1:2021 en pr  
Akustika – Određivanje jednobrojne vrijednosti zvučne izolacije zgrada i građevnih dijelova zgrade – 1. dio: Zračna zvučna izolacija (ISO 717-1:2020; EN ISO 717-1:2020)  
Acoustics – Rating of sound insulation in buildings and of building elements – Part 1: Airborne sound insulation (ISO 717-1:2020; EN ISO 717-1:2020)

HRN EN ISO 717-2:2021 en pr  
Akustika – Određivanje jednobrojne vrijednosti zvučne izolacije zgrada i građevnih dijelova zgrade – 2. dio: Udarne zvučna izolacija (ISO 717-2:2020; EN ISO 717-2:2020)  
Acoustics – Rating of sound insulation in buildings and of building elements – Part 2: Impact sound insulation (ISO 717-2:2020; EN ISO 717-2:2020)

HRN EN ISO 2922:2021 en pr  
Akustika – Mjerenja buke koju emitiraju plovni objekti na unutarnjim vodama i u lukama (ISO 2922:2020; EN ISO 2922:2020)  
Acoustics – Measurement of airborne sound emitted by vessels on inland waterways and harbours (ISO 2922:2020; EN ISO 2922:2020)

### HZN/TO 46, Bibliotekarstvo, dokumentacija i informacije

HRN ISO 6196-2:2021 en,fr pr  
Mikrografija – Terminološki rječnik – 2. dio: Položaj slike i metode snimanja (ISO 6196-2:1993)  
Micrographics – Vocabulary – Part 2: Image positions and methods of recording (ISO 6196-2:1993)

HRN ISO 6196-6:2021 en,fr,ru pr  
Mikrografija – Terminološki rječnik – 6. dio: Oprema (ISO 6196-6:1992)  
Micrographics – Vocabulary – Part 6: Equipment (ISO 6196-6:1992)

HRN ISO 6196-7:2021 en,fr,ru pr  
Mikrografija – Terminološki rječnik – 7. dio: Računalna mikrografija (ISO 6196-7:1992)  
Micrographics – Vocabulary – Part 7: Computer micrographics (ISO 6196-7:1992)

HRN ISO 6196-8:2021 en,fr pr  
Mikrografija – Terminološki rječnik – 8. dio: Primjena (ISO 6196-8:1998)  
Micrographics – Vocabulary – Part 8: Use (ISO 6196-8:1998)

HRN ISO 6196-10:2021/Ispr.1:2021 en pr  
Mikrografija – Terminološki rječnik – 10. dio: Kazalo pojmova – Tehnički ispravak 1 (ISO 6196-10:1999/Cor 1:2004)  
Micrographics – Vocabulary – Part 10: Index – Technical Corrigendum 1 (ISO 6196-10:1999/Cor 1:2004)

HRN ISO 6196-10:2021 en pr  
Mikrografija – Terminološki rječnik – 10. dio: Kazalo pojmova (ISO 6196-10:1999)  
Micrographics – Vocabulary – Part 10: Index (ISO 6196-10:1999)

HRN ISO 12651-2:2021 en pr  
Upravljanje elektroničkim dokumentima – Terminološki rječnik – 2. dio: Upravljanje radnim procesom (ISO 12651-2:2014)  
Electronic document management – Vocabulary – Part 2: Workflow management (ISO 12651-2:2014)

HRN ISO 17316:2021 en pr  
Informacije i dokumentacija – Međunarodni standardni identifikator poveznice (ISLI) (ISO 17316:2015)  
Information and documentation – International standard link identifier (ISLI) (ISO 17316:2015)

### HZN/TO 130, Grafička tehnologija

HRN ISO 2834-1:2021 en pr  
Grafička tehnologija – Laboratorijska priprema probnih otisaka – 1. dio: Premazne boje (ISO 2834-1:2020)  
Graphic technology – Laboratory preparation of test prints – Part 1: Paste inks (ISO 2834-1:2020)

HRN ISO 12641-2:2021 en pr  
Grafička tehnologija – Razmjena digitalnih podataka u pripremi za tisak – 2. dio: Dodatni kolorni tonovi za umjeravanje ulaznog skenera (ISO 12641-2:2019)  
Graphic technology – Prepress digital data exchange – Part 2: Advanced colour targets for input scanner calibration (ISO 12641-2:2019)

HRN ISO 12647-6:2021 en pr  
Grafička tehnologija – Kontrola procesa pri izradi kolornih rasterskih separacija, probnih otisaka i proizvodnih otisaka – 6. dio: Fleksografski tisak (ISO 12647-6:2020)  
Graphic technology – Process control for the production of half-tone colour separations, proofs and production prints – Part 6: Flexographic printing (ISO 12647-6:2020)

HRN ISO 16684-1:2021 en pr  
Grafička tehnologija – Specifikacija proširive platforme metapodataka (XMP) – 1. dio: Model podataka, serijalizacija i temeljna svojstva (ISO 16684-1:2019)  
Graphic technology – Extensible metadata platform (XMP) – Part 1: Data model, serialization and core properties (ISO 16684-1:2019)

### **HZN/TO 136, Namještaj**

HRN EN 1130:2019/Ispr.1:2021 en pr  
Namještaj za djecu – Dječji krevetići – Sigurnosni zahtjevi i metode ispitivanja (EN 1130:2019/AC:2020)  
Children's furniture – Cribs – Safety requirements and test methods (EN 1130:2019/AC:2020)

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

HRN EN ISO 15875-2:2004/A2:2021 en pr  
Plastični cijevni sustavi za instalacije s toplom i hladnom vodom – Umreženi polietilen (PE-X) – 2. dio: Cijevi (ISO 15875-2:2003/Amd 2:2020; EN ISO 15875-2:2003/A2:2020)  
Plastics piping systems for hot and cold water installations – Crosslinked polyethylene (PE-X) – Part 2: Pipes (ISO 15875-2:2003/Amd 2:2020; EN ISO 15875-2:2003/A2:2020)

HRN EN ISO 15875-3:2004/A1:2021 en pr  
Plastični cijevni sustavi za instalacije s toplom i hladnom vodom – Umreženi polietilen (PE-X) – 3. dio: Spojnice (ISO 15875-3:2003/Amd 1:2020; EN ISO 15875-3:2003/A1:2020)  
Plastics piping systems for hot and cold water installations – Crosslinked polyethylene (PE-X) – Part 3: Fittings (ISO 15875-3:2003/Amd 1:2020; EN ISO 15875-3:2003/A1:2020)

HRN EN ISO 15875-5:2004/A1:2021 en pr  
Plastični cijevni sustavi za instalacije s toplom i hladnom vodom – Umreženi polietilen (PE-X) – 5. dio: Prikladnost sustava za uporabu (ISO 15875-5:2003/Amd 1:2020; EN ISO 15875-5:2003/A1:2020)  
Plastics piping systems for hot and cold water installations – Crosslinked polyethylene (PE-X) – Part 5: Fitness for purpose of the system (ISO 15875-5:2003/Amd 1:2020; EN ISO 15875-5:2003/A1:2020)

HRN EN ISO 15876-2:2017/A1:2021 en pr  
Plastični cijevni sustavi za instalacije s toplom i hladnom vodom – Polibuten (PB) – 2. dio: Cijevi (ISO 15876-2:2017/Amd 1:2020; EN ISO 15876-2:2017/A1:2020)  
Plastics piping systems for hot and cold water installations – Polybutene (PB) – Part 2: Pipes (ISO 15876-2:2017/Amd 1:2020; EN ISO 15876-2:2017/A1:2020)

HRN EN ISO 15876-3:2017/A1:2021 en pr  
Plastični cijevni sustavi za instalacije s toplom i hladnom vodom – Polibuten (PB) – 3. dio: Spojnice (ISO 15876-3:2017/Amd 1:2020; EN ISO 15876-3:2017/A1:2020)  
Plastics piping systems for hot and cold water installations – Polybutene (PB) – Part 3: Fittings (ISO 15876-3:2017/Amd 1:2020; EN ISO 15876-3:2017/A1:2020)

HRN EN ISO 15876-5:2017/A1:2021 en pr  
Plastični cijevni sustavi za instalacije s toplom i hladnom vodom – Polibuten (PB) – 5. dio: Prikladnost sustava za uporabu (ISO 15876-5:2017/Amd 1:2020; EN ISO 15876-5:2017/A1:2020)  
Plastics piping systems for hot and cold water installations – Polybutene (PB) – Part 5: Fitness for purpose of the system (ISO 15876-5:2017/Amd 1:2020; EN ISO 15876-5:2017/A1:2020)

HRN EN ISO 15877-2:2009/A2:2021 en pr  
Plastični cijevni sustavi za instalacije s toplom i hladnom vodom – Klorirani poli(vinilklorid) (PVC-C) – 2. dio: Cijevi (ISO 15877-2:2009/Amd 2:2020; EN ISO 15877-2:2009/A2:2020)  
Plastics piping systems for hot and cold water installations – Chlorinated poly(vinyl chloride) (PVC-C) – Part 2: Pipes (ISO 15877-2:2009/Amd 2:2020; EN ISO 15877-2:2009/A2:2020)

HRN EN ISO 15877-5:2009/A2:2021 en pr  
Plastični cijevni sustavi za instalacije s toplom i hladnom vodom – Klorirani poli(vinilklorid) (PVC-C) – 5. dio: Prikladnost sustava za uporabu (ISO 15877-5:2009/Amd 2:2020; EN ISO 15877-5:2009/A2:2020)  
Plastics piping systems for hot and cold water installations – Chlorinated poly(vinyl chloride) (PVC-C) – Part 5: Fitness for purpose of the system (ISO 15877-5:2009/Amd 2:2020; EN ISO 15877-5:2009/A2:2020)

HRN EN ISO 22391-2:2010/A1:2021 en pr  
Plastični cijevni sustavi za instalacije s toplom i hladnom vodom – Polietileni postojani pri povišenoj temperaturi (PE-RT) – 2. dio: Cijevi (ISO 22391-2:2009/Amd 1:2020; EN ISO 22391-2:2009/A1:2020)  
Plastics piping systems for hot and cold water installations – Polyethylene of raised temperature resistance (PE-RT) – Part 2: Pipes (ISO 22391-2:2009/Amd 1:2020; EN ISO 22391-2:2009/A1:2020)

HRN EN ISO 22391-3:2010/A1:2021 en pr  
Plastični cijevni sustavi za instalacije s toplom i hladnom vodom – Polietileni postojani pri povišenoj temperaturi (PE-RT) – 3. dio: Spojnice (ISO 22391-3:2009/Amd 1:2020; EN ISO 22391-3:2009/A1:2020)  
Plastics piping systems for hot and cold water installations – Polyethylene of raised temperature resistance (PE-RT) – Part 3: Fittings (ISO 22391-3:2009/Amd 1:2020; EN ISO 22391-3:2009/A1:2020)

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

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

HRN EN 17289-1:2021 en pr  
Karakterizacija rastresitoga materijala – Određivanje ponderiranog masenog udjela fine frakcije čestica i sadržaja kristaliničnog silicijevog dioksida – 1. dio: Općenite informacije i odabir metoda ispitivanja (EN 17289-1:2020)  
Characterization of bulk materials – Determination of a size-weighted fine fraction and crystalline silica content – Part 1: General information and choice of test methods (EN 17289-1:2020)

HRN EN 17289-2:2021 en pr  
Karakterizacija rastresitoga materijala – Određivanje ponderiranog masenog udjela fine frakcije čestica i sadržaja kristaliničnog silicijevog dioksida – 2. dio: Metoda proračuna (EN 17289-2:2020)  
Characterization of bulk materials – Determination of a size-weighted fine fraction and crystalline silica content – Part 2: Calculation method (EN 17289-2:2020)

HRN EN 17289-3:2021 en pr  
Karakterizacija rastresitoga materijala – Određivanje ponderiranog masenog udjela fine frakcije čestica i sadržaja kristaliničnog silicijevog dioksida – 3. dio: Metoda taloženja (EN 17289-3:2020)  
Characterization of bulk materials – Determination of a size-weighted fine fraction and crystalline silica content – Part 3: Sedimentation method (EN 17289-3:2020)

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

HRN EN 71-2:2021 en pr  
Sigurnost igraćaka – 2. dio: Zapaljivost (EN 71-2:2020)  
Safety of toys – Part 2: Flammability (EN 71-2:2020)

HRN EN 71-4:2021 en pr  
Sigurnost igraćaka – 4. dio: Eksperimentalna oprema za kemiju i srodne aktivnosti (EN 71-4:2020)  
Safety of toys – Part 4: Experimental sets for chemistry and related activities (EN 71-4:2020)

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

HRN EN ISO 19115-1:2014/A2:2021 en pr  
Geoinformacije – Metapodaci – 1. dio: Osnove (ISO 19115-1:2014/Amd 2:2020; EN ISO 19115-1:2014/A2:2020)  
Geographic information – Metadata – Part 1: Fundamentals (ISO 19115-1:2014/Amd 2:2020; EN ISO 19115-1:2014/A2:2020)

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

HRN EN 113-1:2021 en pr  
Trajnost drva i proizvoda na osnovi drva – Metoda ispitivanja protiv djelovanja razarača drva iz odjeljka basidiomycetes – 1. dio: Procjena biocidne učinkovitosti sredstava za zaštitu drva (EN 113-1:2020)  
Durability of wood and wood-based products – Test method against wood destroying basidiomycetes – Part 1: Assessment of biocidal efficacy of wood preservatives (EN 113-1:2020)

HRN EN 113-2:2021 en pr  
Trajnost drva i proizvoda na osnovi drva – Metoda ispitivanja protiv djelovanja razarača drva iz odjeljka basidiomycetes – 2. dio: Procjena inherentne i poboljšane trajnosti (EN 113-2:2020)  
Durability of wood and wood-based products – Test method against wood destroying basidiomycetes – Part 2: Assessment of inherent or enhanced durability (EN 113-2:2020)

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

HRN EN ISO 18086:2021 en pr  
Korozija metala i legura – Određivanje korozije izazvane djelovanjem izmjenične struje – Kriteriji zaštite (ISO 18086:2019; EN ISO 18086:2020)  
Corrosion of metals and alloys – Determination of AC corrosion – Protection criteria (ISO 18086:2019; EN ISO 18086:2020)

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

HRN EN ISO 27509:2021 en pr  
Industrija nafte i prirodnoga plina – Kompaktni prirubnički priključci s IX brtvjenim prstenom (ISO 27509:2020; EN ISO 27509:2020)  
Petroleum and natural gas industries – Compact flanged connections with IX seal ring (ISO 27509:2020; EN ISO 27509:2020)

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

HRN ISO 8368:2021 en pr  
Hidrometrijska određivanja – Mjerenje protoka u otvorenim kanalima uporabom struktura – Upute za odabir strukture (ISO 8368:2019)  
Hydrometric determinations – Flow measurements in open channels using structures – Guidelines for selection of structure (ISO 8368:2019)

HRN ISO 13320:2021 en pr  
Analiza veličine čestica – Metode laserske difrakcije (ISO 13320:2020)  
Particle size analysis – Laser diffraction methods (ISO 13320:2020)

HRN ISO 14511:2021 en pr  
Mjerenje protoka fluida u zatvorenim cjevovodima – Termomasena mjerila protoka (ISO 14511:2019)  
Measurement of fluid flow in closed conduits – Thermal mass flowmeters (ISO 14511:2019)

HRN ISO 21501-2:2021 en pr  
Određivanje raspodjele veličine čestica – Interakcijske metode osvjetljenosti pojedinačne čestice – 2. dio: Brojač čestica u tekućini pomoću raspršenja svjetlosti (ISO 21501-2:2019)  
Determination of particle size distribution – Single particle light interaction methods – Part 2: Light scattering liquid-borne particle counter (ISO 21501-2:2019)

HRN ISO 21501-3:2021 en pr  
Određivanje raspodjele veličine čestica – Interakcijske metode o osvjetljenosti pojedinačne čestice – 3. dio: Brojač čestica u tekućini pomoću slabljenja širenja svjetlosti (ISO 21501-3:2019)  
Determination of particle size distribution – Single particle light interaction methods – Part 3: Light extinction liquid-borne particle counter (ISO 21501-3:2019)

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

HRN EN 15746-1:2021 en pr  
Željeznički sustav – Željeznički gornji ustroj – Cestovno-željeznički strojevi i pripadajuća oprema – 1. dio: Tehnički zahtjevi za kretanje i rad (EN 15746-1:2020)  
Railway applications – Track – Road rail machines and associated equipment – Part 1: Technical requirements for travelling and working (EN 15746-1:2020)

HRN EN 15746-2:2021 en pr  
Željeznički sustav – Željeznički gornji ustroj – Cestovno-željeznički strojevi i pripadajuća oprema – 2. dio: Opći sigurnosni zahtjevi (EN 15746-2:2020)  
Railway applications – Track – Road-rail machines and associated equipment – Part 2: General safety requirements (EN 15746-2:2020)

HRN EN 15746-3:2021 en pr  
Željeznički sustav – Željeznički gornji ustroj – Cestovno-željeznički strojevi i pripadajuća oprema – 3. dio: Tehnički zahtjevi za vožnju (EN 15746-3:2020)  
Railway applications – Track – Road-rail machines and associated equipment – Part 3: Technical requirements for running (EN 15746-3:2020)

HRN EN 15746-4:2021 en pr  
Željeznički sustav – Željeznički gornji ustroj – Cestovno-željeznički strojevi i pripadajuća oprema – 4. dio: Tehnički zahtjevi za vožnju, kretanje i rad na tračničkim sustavima javnoga gradskog prometa (EN 15746-4:2020)  
Railway applications – Track – Road-rail machines and associated equipment – Part 4: Technical requirements for running, travelling and working on urban rail (EN 15746-4:2020)

HRN EN 17343:2021 en,fr,de pr  
Željeznički sustav – Opći nazivi i definicije (EN 17343:2020)  
Railway applications – General terms and definitions (EN 17343:2020)

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

HRN EN 13155:2021 en pr  
Granici – Sigurnost – Ovjjesna sredstva (EN 13155:2020)  
Crane – Safety – Non-fixed load lifting attachments (EN 13155:2020)

HRN EN 13586:2021 en pr  
Granici – Pristup (EN 13586:2020)  
Cranes – Access (EN 13586:2020)

HRN EN 15011:2021 en pr  
Granici – Mosni i portalni granici (EN 15011:2020)  
Cranes – Bridge and gantry cranes (EN 15011:2020)

HRN EN 16851:2021 en pr  
Granici – Sustavi laganih granika (EN 16851:2017+A1:2020)  
Cranes – Light crane systems (EN 16851:2017+A1:2020)

HRN EN 17076:2021 en pr  
Toranjski granici – Protusudarni sustavi – Sigurnosni zahtjevi (EN 17076:2020)  
Tower cranes – Anti-collision systems – Safety requirements (EN 17076:2020)

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

HRN EN 12385-3:2021 en pr  
Čelična užad – Sigurnost – 3. dio: Informacije za upotrebu i održavanje (EN 12385-3:2020)  
Steel wire ropes – Safety – Part 3: Information for use and maintenance (EN 12385-3:2020)

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

HRN EN 12604:2021 en pr  
Industrijska, komercijalna, garažna i ostala ulazna vrata – Mehanička gledišta – Zahtjevi i metode ispitivanja (EN 12604:2017+A1:2020)  
Industrial, commercial and garage doors and gates – Mechanical aspects – Requirements and test methods (EN 12604:2017+A1:2020)

HRN EN 13031-1:2020/NA:2021 hr izv  
Staklenici – Projektiranje i izgradnja – 1. dio: Staklenici za komercijalnu proizvodnju – Nacionalni dodatak  
Greenhouses – Design and construction – Part 1: Commercial production greenhouses – National Annex

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

HRN EN ISO 29464:2021 en pr  
Pročišćavanje zraka i drugih plinova – Nazivlje (ISO 29464:2017; EN ISO 29464:2019)  
Cleaning of air and other gases – Terminology (ISO 29464:2017; EN ISO 29464:2019)



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

HRN EN 1993-1-4:2014/A2:2021 en pr  
Eurokod 3 – Projektiranje čeličnih konstrukcija – Dio 1-4: Opća pravila – Dodatna pravila za nehrđajuće čelike (EN 1993-1-4:2006/A2:2020)  
Eurocode 3 – Design of steel structures – Part 1-4: General rules – Supplementary rules for stainless steels (EN 1993-1-4:2006/A2:2020)

HRI CEN/TR 17231:2021 en pr  
Eurokod 1: Djelovanja na konstrukcije – Prometna opterećenja na mostovima – Međudjelovanje tračnica i mosta (CEN/TR 17231:2018)  
Eurocode 1: Actions on Structures – Traffic Loads on Bridges – Track-Bridge Interaction (CEN/TR 17231:2018)

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

HRI CEN/TR 17614:2021 en pr  
Standardna metoda za procjenu i poboljšanje energetske učinkovitosti postrojenja za obradu otpadnih voda (CEN/TR 17614:2021)  
Standard method for assessing and improving the energy efficiency of waste water treatment plants (CEN/TR 17614:2021)

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

HRN EN ISO 10993-1:2021 en pr  
Biološka procjena medicinskih proizvoda – 1. dio: Procjena i ispitivanje unutar procesa upravljanja rizikom (ISO 10993-1:2018, ispravljena verzija 2018-11; EN ISO 10993-1:2020)  
Biological evaluation of medical devices – Part 1: Evaluation and testing within a risk management process (ISO 10993-1:2018, including corrected version 2018-11; EN ISO 10993-1:2020)

HRN EN ISO 22442-1:2021 en pr  
Medicinski proizvodi u kojima se upotrebljavaju životinjska tkiva i njihovi derivati – 1. dio: Primjena upravljanja rizikom (ISO 22442-1:2020; EN ISO 22442-1:2020)  
Medical devices utilizing animal tissues and their derivatives – Part 1: Application of risk management (ISO 22442-1:2020; EN ISO 22442-1:2020)

HRN EN ISO 22442-2:2021 en pr  
Medicinski proizvodi u kojima se upotrebljavaju životinjska tkiva i njihovi derivati – 2. dio: Kontrole podrijetla, skupljanje i rukovanje (ISO 22442-2:2020; EN ISO 22442-2:2020)  
Medical devices utilizing animal tissues and their derivatives – Part 2: Controls on sourcing, collection and handling (ISO 22442-2:2020; EN ISO 22442-2:2020)

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

HRN EN ISO 1833-3:2021 en pr  
Tekstil – Kvantitativna kemijska analiza – 3. dio: Mješavine acetatnih i određenih drugih vlakana (metoda s uporabom acetona) (ISO 1833-3:2020; EN ISO 1833-3:2020)  
Textiles – Quantitative chemical analysis – Part 3: Mixtures of acetate with certain other fibres (method using acetone) (ISO 1833-3:2020; EN ISO 1833-3:2020)

HRN EN ISO 8559-1:2021 en pr  
Sustav označavanja veličine odjeće – 1. dio: Antropometrijske definicije za tjelesne mjere (ISO 8559-1:2017; EN ISO 8559-1:2020)  
Size designation of clothes – Part 1: Anthropometric definitions for body measurement (ISO 8559-1:2017; EN ISO 8559-1:2020)

HRN EN ISO 8559-2:2021 en pr  
Sustav označavanja veličine odjeće – 2. dio: Primarni i sekundarni pokazatelji dimenzija (ISO 8559-2:2017; EN ISO 8559-2:2020)  
Size designation of clothes – Part 2: Primary and secondary dimension indicators (ISO 8559-2:2017; EN ISO 8559-2:2020)

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

HRN EN ISO 7866:2013/A1:2021 en pr  
Plinske boce – Ponovno punjive plinske boce od aluminijeve legure – Projektiranje, izrada i ispitivanje (ISO 7866:2012/Amd 1:2020; EN ISO 7866:2012/A1:2020)  
Gas cylinders – Refillable seamless aluminium alloy gas cylinders – Design, construction and testing (ISO 7866:2012/Amd 1:2020; EN ISO 7866:2012/A1:2020)

HRN EN 12493:2021 en pr  
Oprema i pribor za UNP – Zavarene čelične posude pod tlakom za spremnike za UNP za cestovna vozila – Projektiranje i proizvodnja (EN 12493:2020)  
LPG equipment and accessories – Welded steel pressure vessels for LPG road tankers – Design and manufacture (EN 12493:2020)

HRN EN 13953:2021 en pr  
Oprema i pribor za UNP – Sigurnosni ventili prenosivih, ponovno punjivih boca za ukapljeni naftni plin (UNP) (EN 13953:2020)  
LPG equipment and accessories – Pressure relief valves for transportable refillable cylinders for Liquefied Petroleum Gas (LPG) (EN 13953:2020)

HRN EN ISO 20475:2021 en pr  
Plinske boce – Baterije boca – Periodični pregled i ispitivanje (ISO 20475:2018; EN ISO 20475:2020)  
Gas cylinders – Cylinder bundles – Periodic inspection and testing (ISO 20475:2018; EN ISO 20475:2020)

HRN EN ISO 23088:2021 en pr  
Plinske boce – Periodični pregled i ispitivanje zavarenih čeličnih spremnika pod tlakom – Kapacitet do 1 000 l (ISO 23088:2020; EN ISO 23088:2020)  
Gas cylinders – Periodic inspection and testing of welded steel pressure drums – Capacities up to 1 000 l (ISO 23088:2020; EN ISO 23088:2020)

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

HRN EN ISO 21637:2021 en pr  
Kruta oporabljena goriva – Terminološki rječnik (ISO 21637:2020; EN ISO 21637:2020)  
Solid recovered fuels – Vocabulary (ISO 21637:2020; EN ISO 21637:2020)

HRN EN ISO 21663:2021 en pr  
Kruta oporabljena goriva – Metode određivanja ugljika (C), vodika (H), dušika (N) i sumpora (S) instrumentalnom metodom (ISO 21663:2020; EN ISO 21663:2020)  
Solid recovered fuels – Methods for the determination of carbon (C), hydrogen (H), nitrogen (N) and sulphur (S) by the instrumental method (ISO 21663:2020; EN ISO 21663:2020)

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

HRS CEN/TS 16800:2021 en pr  
Smjernice za validaciju fizikalno-kemijskih analitičkih metoda (CEN/TS 16800:2020)  
Guideline for the validation of physico-chemical analytical methods (CEN/TS 16800:2020)

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

HRN EN 60034-18-41:2014/A1:2019/Ispr.1:2021 en pr  
Rotacijski električni strojevi – Dio 18-41: Električni izolacijski sustavi bez parcijalnih izbivanja (Tip I) u rotacijskim električnim strojevima koji se napajaju iz naponskih pretvarača – Kvalifikacija i ispitivanja za kontrolu kvalitete (IEC 60034-18-41:2014/am1:2019/Corr.1:2020; EN 60034-18-41:2014/A1:2019/AC:2020)  
Rotating electrical machines – Part 18-41: Partial discharge free electrical insulation systems (Type I) used in electrical rotating machines fed from voltage converters – Qualification and quality control tests (IEC 60034-18-41:2014/am1:2019/Corr.1:2020; EN 60034-18-41:2014/A1:2019/AC:2020)

## **HZN/TO E8, Sustavski vidovi opskrbe električnom energijom**

HRS CLC/TS 50654-1:2021 en pr  
HVDC mrežni sistemi i priključene pretvaračke stanice – Smjernice i popisi parametara za funkcionalne specifikacije – 1. dio: Smjernice (CLC/TS 50654-1:2020)  
HVDC Grid Systems and connected Converter Stations – Guideline and Parameter Lists for Functional Specifications – Part 1: Guidelines (CLC/TS 50654-1:2020)

HRS CLC/TS 50654-2:2021 en pr  
HVDC mrežni sistemi i priključene pretvaračke stanice – Smjernice i popisi parametara za funkcionalne specifikacije – 2. dio: Popisi parametara (CLC/TS 50654-2:2020)  
HVDC Grid Systems and connected Converter Stations – Guideline and Parameter Lists for Functional Specifications – Part 2: Parameter Lists (CLC/TS 50654-2:2020)

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

HRI CLC/TR 50503:2021 en pr  
Smjernice za kontrolu inventara, upravljanje, dekontaminaciju i/ili odlaganje električne opreme i izolacijskih tekućina koje sadrže poliklorirane bifenile (PCB) (CLC/TR 50503:2010)  
Guidelines for the inventory control, management, decontamination and/or disposal of electrical equipment and insulating liquids containing PCBs (CLC/TR 50503:2010)

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

HRN EN 15188:2021 en pr  
Određivanje svojstava samozapaljenja taložene prašine (EN 15188:2020)  
Determination of the spontaneous ignition behaviour of dust accumulations (EN 15188:2020)

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

HRN EN IEC 61228:2021 en pr  
Ultraljubičaste fluorescentne žarulje za sunčanje – Postupak mjerenja i specifikacije (IEC 61228:2020; EN IEC 61228:2020)  
Fluorescent ultraviolet lamps used for tanning – Measurement and specification method (IEC 61228:2020; EN IEC 61228:2020)

HRN EN 61347-1:2015/A1:2021 en pr  
Predspojne naprave za žarulje – 1. dio: Opći i sigurnosni zahtjevi (IEC 61347-1:2015/am1:2017; EN 61347-1:2015/A1:2021)  
Lamp controlgear – Part 1: General and safety requirements (IEC 61347-1:2015/am1:2017; EN 61347-1:2015/A1:2021)

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

HRN EN 61850-4:2014/A1:2021 en pr  
Komunikacijske mreže i sustavi za automatizaciju u elektroprivredi – 4. dio: Upravljanje sustavom i projektima (IEC 61850-4:2011/am1:2020; EN 61850-4:2011/A1:2020)  
Communication networks and systems for power utility automation – Part 4: System and project management (IEC 61850-4:2011/am1:2020; EN 61850-4:2011/A1:2020)

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

HRN EN IEC 62769-101-1:2021 en pr  
Integracija uređaja u postrojenju (FDI) – Profili – Dio 101-1: Osnivanje Fieldbus H1 (IEC 62769-101-1:2020; EN IEC 62769-101-1:2021)  
Field device Integration (FDI) – Part 101-1: Profiles – Foundation Fieldbus H1 (IEC 62769-101-1:2020; EN IEC 62769-101-1:2021)

HRN EN IEC 62769-101-2:2021 en pr  
Integracija uređaja u postrojenju (FDI) – Profili – Dio 101-2: Osnivanje Fieldbus HSE (IEC 62769-101-2:2020; EN IEC 62769-101-2:2021)  
Field Device Integration (FDI) – Part 101-2: Profiles – Foundation Fieldbus HSE (IEC 62769-101-2:2020; EN IEC 62769-101-2:2021)

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

HRN EN IEC 61980-1:2021 en pr  
Sustavi bežičnog prijenosa energije (WPT) u električna vozila – 1. dio: Opći zahtjevi (IEC 61980-1:2020; EN IEC 61980-1:2021)  
Electric vehicle wireless power transfer (WPT) systems – Part 1: General requirements (IEC 61980-1:2020; EN IEC 61980-1:2021)

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

HRN EN 55016-1-5:2015/Ispr.1:2021 en pr  
Specifikacija uređaja i metoda za mjerenje radiosmetnja i otpornosti – Dio 1-5: Uređaji za mjerenje radiosmetnja i otpornosti – Lokacije za umjeravanje antena i referentna ispitivanja za frekvencije od 5 MHz do 18 GHz (CISPR 16-1-5:2014/Corr.1:2020; EN 55016-1-5:2015/AC:2020-09)  
Specification for radio disturbance and immunity measuring apparatus and methods – Part 1-5: Radio disturbance and immunity measuring apparatus – Antenna calibration sites and reference test sites for 5 MHz to 18 GHz (CISPR 16-1-5:2014/Corr.1:2020; EN 55016-1-5:2015/AC:2020-09)

HRN EN 55016-2-1:2014/Ispr.1:2021 en pr  
Specifikacija uređaja i metoda za mjerenja radiosmetnja i otpornosti – Dio 2-1: Metode mjerenja smetnja i otpornosti – Mjerenja vođenih smetnja (CISPR 16-2-1:2014/Corr.1:2020; EN 55016-2-1:2014/AC:2020-09)  
Specification for radio disturbance and immunity measuring apparatus and methods – Part 2-1: Methods of measurement of disturbances and immunity – Conducted disturbance measurements (CISPR 16-2-1:2014/Corr.1:2020; EN 55016-2-1:2014/AC:2020-09)

HRN EN 61000-4-3:2008/IS1:2021 en pr  
Elektromagnetska kompatibilnost (EMC) – Dio 4-3: Ispitne i mjerne tehnike – Ispitivanje otpornosti na zračena radiofrekvencijska elektromagnetska polja (EN 61000-4-3:2006/IS1:2009)  
Electromagnetic compatibility (EMC) – Part 4-3: Testing and measurement techniques – Radiated, radio-frequency, electromagnetic field immunity test (EN 61000-4-3:2006/IS1:2009)

## **HZN/TO Z1, Informacijska tehnologija**

HRN EN 17230:2021 en pr  
Informacijska tehnologija – RFID u željezničkom sektoru (EN 17230:2020)  
Information technology – RFID in rail (EN 17230:2020)

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

HRN EN ISO 20266:2021 en pr  
Boje i lakovi – Određivanje jasnoće slike (stupnja oštine reflektirane ili prenesene slike) (ISO 20266:2018; EN ISO 20266:2020)  
Paints and varnishes – Determination of image clarity (degree of sharpness of reflected or transmitted image) (ISO 20266:2018; EN ISO 20266:2020)

HRN EN ISO 21546:2021 en pr  
Boje i lakovi – Određivanje otpornosti na trljanje uređajem za ispitivanje linearne abrazije (crockmeter) (ISO 21546:2019; EN ISO 21546:2020)  
Paints and varnishes – Determination of the resistance to rubbing using a linear abrasion tester (crockmeter) (ISO 21546:2019; EN ISO 21546:2020)

HRN EN ISO 22516:2021 en pr  
Boje i lakovi – Praktično određivanje sadržaja nehlapljivih i hlapljivih tvari tijekom nanošenja (ISO 22516:2019; EN ISO 22516:2020)  
Paints and varnishes – Practical determination of non-volatile and volatile matter content during application (ISO 22516:2019; EN ISO 22516:2020)

HRN EN ISO 22518:2021 en pr  
Boje i lakovi – Određivanje otapala u materijalima za prevlake koji se razrjeđuju vodom – Metoda plinske kromatografije (ISO 22518:2019; EN ISO 22518:2020)  
Paints and varnishes – Determination of solvents in water-thinnable coating materials – Gas-chromatographic method (ISO 22518:2019; EN ISO 22518:2020)

HRN EN ISO 22557:2021 en pr  
Boje i lakovi – Ispitivanje grebanjem pomoću ispitnog štapa s oprugom (ISO 22557:2019; EN ISO 22557:2020)  
Paints and varnishes – Scratch test using a spring-loaded pen (ISO 22557:2019; EN ISO 22557:2020)

HRN EN ISO 22636:2021 en pr  
Adhezivi – Adhezivi za podne obloge – Zahtjevi za mehanička i električna svojstva (ISO 22636:2020; EN ISO 22636:2020)  
Adhesives – Adhesives for floor coverings – Requirements for mechanical and electrical performance (ISO 22636:2020; EN ISO 22636:2020)

HRN EN ISO 22969:2021 en pr  
Boje i lakovi – Određivanje solarne reflektancije (ISO 22969:2019; EN ISO 22969:2020)  
Paints and varnishes – Determination of solar reflectance (ISO 22969:2019; EN ISO 22969:2020)

HRN EN ISO 23321:2021 en pr  
Otapala za boje i lakove – Demineralizirana voda za industrijske primjene – Specifikacija i metode ispitivanja (ISO 23321:2019; EN ISO 23321:2020)  
Solvents for paints and varnishes – Demineralized water for industrial applications – Specification and test methods (ISO 23321:2019; EN ISO 23321:2020)

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

HRN EN ISO 15841:2015/A1:2021 en pr  
Stomatologija – Žice za upotrebu u ortodonciji  
(ISO 15841:2014/Amd 1:2020; EN ISO 15841:2014/A1:2020)  
Dentistry – Wires for use in orthodontics  
(ISO 15841:2014/Amd 1:2020; EN ISO 15841:2014/A1:2020)

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

HRN EN 1459-4:2021 en pr  
Vozila za teške terene – Sigurnosni zahtjevi i verifikacija  
– 4. dio: Dodatni zahtjevi za vozila promjenjivog dohvata pri  
rukovanju ovješnim teretom (EN 1459-4:2020)  
Rough-terrain trucks – Safety requirements and verification  
– Part 4: Additional requirements for variable-reach trucks  
handling freely suspended loads (EN 1459-4:2020)

HRN EN 1459-5:2021 en pr  
Vozila za teške terene – Sigurnosni zahtjevi i verifikacija  
– 5. dio: Sučelje za priključke (EN 1459-5:2020)  
Rough-terrain trucks – Safety requirements and verification  
– Part 5: Attachment interface (EN 1459-5:2020)

HRN EN 2133:2021 en pr  
Zrakoplovstvo – Kadmijske prevlake za čelik s određenom  
zateznom čvrstoćom  $\leq 1\,450$  MPa, bakar, legure bakra i  
legure nikla (EN 2133:2020)  
Aerospace series – Cadmium plating of steels with specified  
tensile strength  $\leq 1\,450$  MPa, copper, copper alloys and nickel  
alloys (EN 2133:2020)

## HZN/TU V1, Elektronika 1

HRN EN IEC 60384-13:2021 en pr  
Fiksni kondenzatori za uporabu u elektroničkoj opremi  
– 13. dio: Sekcijska specifikacija – Fiksni kondenzatori za  
istosmjerni napon s dielektrikom od polipropilena i metalnom  
folijom (IEC 60384-13:2020; EN IEC 60384-13:2020)  
Fixed capacitors for use in electronic equipment – Part 13:  
Sectional specification – Fixed polypropylene film  
dielectric metal foil d.c. capacitors (IEC 60384-13:2020;  
EN IEC 60384-13:2020)

HRN EN IEC 60384-16:2019/Ispr.1:2021 en pr  
Fiksni kondenzatori za uporabu u elektroničkoj opremi  
– 16. dio: Sekcijska specifikacija – Fiksni kondenzatori  
za istosmjerni napon s dielektrikom od metalizirane  
polipropilenske folije (IEC 60384-16:2019/Corr.1:2020;  
EN IEC 60384-16:2019/AC:2020)  
Fixed capacitors for use in electronic equipment – Part 16:  
Sectional specification – Fixed metallized polypropylene film  
dielectric DC capacitors (IEC 60384-16:2019/Corr.1:2020;  
EN IEC 60384-16:2019/AC:2020)

HRN EN IEC 60794-2-11:2019/A1:2021 en pr  
Svjetlovodni kabele – Dio 2-11: Kabele za unutarnju primjenu  
– Detaljna specifikacija za jednosmjerne i dvosmjerne kabele  
koji se koriste za polaganje kabela u korisničkim prostorima  
(IEC 60794-2-11:2019/am1:2020; EN IEC 60794-2-11:2019/A1:2021)  
Optical fibre cables – Part 2-11: Indoor cables – Detailed  
specification for simplex and duplex cables for use in  
premises cabling (IEC 60794-2-11:2019/am1:2020;  
EN IEC 60794-2-11:2019/A1:2021)

HRN EN IEC 60794-2-21:2019/A1:2021 en pr  
Svjetlovodni kabele – Dio 2-21: Kabele za unutarnju primjenu  
– Detaljna specifikacija za distribucijske svjetlovodne  
kabele od više vlakana koji se koriste za polaganje u  
korisničkim prostorima (IEC 60794-2-21:2019/am1:2020;  
EN IEC 60794-2-21:2019/A1:2021)  
Optical fibre cables – Part 2-21: Indoor cables – Detailed  
specification for multi-fibre optical distribution cables for  
use in premises cabling (IEC 60794-2-21:2019/am1:2020;  
EN IEC 60794-2-21:2019/A1:2021)

HRN EN IEC 60794-2-31:2019/A1:2021 en pr  
Svjetlovodni kabele – Dio 2-31: Kabele za unutarnju primjenu  
– Detaljna specifikacija za trakaste svjetlovodne kabele koji  
se koriste za polaganje kabela u korisničkim prostorima  
(IEC 60794-2-31:2019/am1:2020; EN IEC 60794-2-31:2019/A1:2021)  
Optical fibre cables – Part 2-31: Indoor cables – Detailed  
specification for optical fibre ribbon cables for use in  
premises cabling (IEC 60794-2-31:2019/am1:2020;  
EN IEC 60794-2-31:2019/A1:2021)

## HZN/TU W1, Energetska elektrotehnika 1

HRN EN 50632-2-6:2015/A2:2021 en pr  
Elektromotorni alati – Postupak mjerenja prašine – Dio 2-6:  
Posebni zahtjevi za čekice (EN 50632-2-6:2015/A2:2020)  
Electric motor-operated tools – Dust measurement  
procedure – Part 2-6: Particular requirements for hammers  
(EN 50632-2-6:2015/A2:2020)

HRN EN IEC 60704-2-1:2021 en pr  
Kućanski i slični električni aparati – Ispitne odredbe za  
određivanje uzdušne buke – Dio 2-1: Posebni zahtjevi za  
usisavače (IEC 60704-2-1:2020; EN IEC 60704-2-1:2020)  
Household and similar electrical appliances – Test  
code for the determination of airborne acoustical noise  
– Part 2-1: Particular requirements for vacuum cleaners  
(IEC 60704-2-1:2020; EN IEC 60704-2-1:2020)

HRN EN IEC 63193:2021 en pr  
Olovni akumulatori za pogon i rad lakih vozila i opreme  
– Opći zahtjevi i metode ispitivanja (IEC 63193:2020;  
EN IEC 63193:2021)  
Lead-acid batteries for propulsion and operation of lightweight  
vehicles and equipment – General requirements and  
methods of test (IEC 63193:2020; EN IEC 63193:2021)

## HZN/TU Z1, Informatika 1

HRN EN 17419-1:2021 en pr  
Razmjena digitalnih podataka u osiguravajućoj djelatnosti  
– Prijenos dokumenata u elektroničkom obliku – 1. dio:  
Postupak i podatkovni model (EN 17419-1:2020)  
Digital Information Interchange in the Insurance Industry  
– Transfer of electronic documents – Part 1: Process and  
Data Model (EN 17419-1:2020)

## 1.3 Prijedlozi za prihvaćanje stranih norma u izvorniku

Temeljem Zakona o normizaciji (Narodne novine 80/2013) Hrvatski zavod za norme na prijedlog tehničkih odbora objavljuje raspravu o prijedlogu za prihvaćanje stranih norma (međunarodnih, europskih i njemačkih norma) kao hrvatskih norma. Pisane primjedbe na prijedloge za prihvaćanje norma dostavljaju se Hrvatskome zavodu za norme (uz naznaku tehničkog odbora i referencijsku oznaku norme) u roku od 30 dana od dana objave rasprave u službenom glasilu Hrvatskoga zavoda za norme (HZN e-glasilo).

## HZN/TO 5, Metalne cijevi i priključci

prEN 14525 en  
Ductile iron wide tolerance couplings and flange adaptors for use with pipes of different materials: ductile iron, Grey iron, Steel, PVC-U, PE, Fibre-cement  
Duktilne željezne širokotolerantne spojnice i prirubnički priključci za upotrebu kod cijevi iz različitih materijala: duktilno željezo, sivi lijev, čelik, PVC-U, PE, cement ojačan vlaknima

## HZN/TO 8, Brodogradnja

prEN ISO 11592-2 en  
Small craft – Determination of maximum propulsion power rating using manoeuvring speed – Part 2: Craft with a length of hull between 8 m and 24 m (ISO/FDIS 11592-2:2020)  
Mala plovila – Određivanje najveće porivne snage pri manevarskoj brzini – 2. dio: Plovila duljine trupa između 8 m i 24 m (ISO/FDIS 11592-2:2020)

## HZN/TO 22, Cestovna vozila

ISO 1585:2020 en  
Road vehicles – Engine test code – Net power  
Cestovna vozila – Ispitivanje motora – Neto snaga

EN 1647:2018/prA1 en  
Leisure accommodation vehicles – Caravan holiday homes – Habitation requirements relating to health and safety  
Vozila za odmor – Pokretni domovi za stanovanje – Smještajni zahtjevi koji se odnose na zdravlje i sigurnost



- ISO 2534:2020 en  
Road vehicles – Engine test code – Gross power  
Cestovna vozila – Ispitivanje motora – Bruto snaga
- ISO 2974:2018 en  
Diesel engines – 60° female cones for high-pressure fuel injection components  
Dizelski motori – Unutarnji (ženski) stošci od 60° za sastavne dijelove ubrizgavanja goriva pod visokim tlakom
- ISO 3584:2020 en  
Road vehicles – Clevis couplings – Interchangeability  
Cestovna vozila – Spojnice ruda – Zamjenjivost
- ISO/DIS 3739-2 en  
Industrial tyres and rims – Part 2: Pneumatic tyres (metric series) on 5 degrees tapered or flat base rims – Load ratings  
Gume i naplatci za industrijska vozila – 2. dio: Pneumatske gume (milimetarski nizovi) na naplaticima s osnovom nagiba 5 stupnjeva ili ravnom – Nazivne nosivosti
- ISO/DIS 3739-3 en  
Industrial tyres and rims – Part 3: Rims  
Gume i naplatci za industrijska vozila – 3. dio: Naplatci
- ISO 3877-4:1984/Amd 1:2020 en  
Tyres, valves and tubes – List of equivalent terms – Part 4: Solid tyres  
Gume, ventili i zračnice – Popis istovrijednih naziva – 4. dio: Pune gume
- ISO/DIS 3911 en  
Wheels and rims for pneumatic tyres – Vocabulary, designation and marking  
Kotači i naplatci za pneumatike – Terminološki rječnik, označavanje i obilježavanje
- ISO/DIS 4000-2 en  
Passenger car tyres and rims – Part 2: Rims  
Gume i naplatci za osobne automobile – 2. dio: Naplatci
- ISO 4209-2:2020 en  
Truck and bus tyres and rims (metric series) – Part 2: Rims  
Gume i naplatci za teretne automobile i autobuse (milimetarski nizovi) – 2. dio: Naplatci
- ISO 4223-2:1991/Amd 1:2020 en  
Definitions of some terms used in the tyre industry – Part 2: Solid tyres  
Definicije određenih naziva koji se upotrebljavaju u proizvodnji guma – 2. dio: Pune gume
- ISO 4250-3:2020 en  
Earth-mover tyres and rims – Part 3: Rims  
Gume i naplatci za strojeve za zemljane radove – 3. dio: Naplatci
- ISO 4925:2020 en  
Road vehicles – Specification of non-petroleum-based brake fluids for hydraulic systems  
Cestovna vozila – Specifikacija tekućina za kočenje na nemineralnoj osnovi za hidraulične sustave
- ISO 4926:2020 en  
Road vehicles – Hydraulic braking systems – Non-petroleum-based reference fluid  
Cestovna vozila – Hidraulični sustavi kočenja – Referencijske tekućine na nemineralnoj osnovi
- ISO 5011:2020 en  
Inlet air cleaning equipment for internal combustion engines and compressors – Performance testing  
Oprema za pročišćivanje ulaznog zraka za motore s unutarnjim izgaranjem i kompresore – Ispitivanje značajka
- ISO/DIS 6621-3 en  
Internal combustion engines – Piston rings – Part 3: Material specifications  
Motori s unutarnjim izgaranjem – Klipni prstenovi – 3. dio: Specifikacije materijala
- ISO 6969:2004/Amd 1 en  
Road vehicles – Sound signalling devices – Tests after mounting on vehicle  
Cestovna vozila – Uređaji za zvučnu signalizaciju – Ispitivanja nakon ugradnje na vozilo
- ISO/DIS 7299-2 en  
Diesel engines – End-mounting flanges for pumps – Part 2: High-pressure supply pumps for common rail fuel injection systems  
Dizelski motori – Prirubnice za pričvršćivanje pumpa – 2. dio: Visokotlačne dobavne pumpe za sustave ubrizgavanja goriva sa zajedničkim spremnikom (common rail)
- ISO 9413:2019 en  
Tyre valves – Dimensions and designation  
Ventili za gume – Dimenzije i oznake
- ISO 11452-4:2020 en  
Road vehicles – Component test methods for electrical disturbances from narrowband radiated electromagnetic energy – Part 4: Harness excitation methods  
Cestovna vozila – Metode ispitivanja sastavnica na električne smetnje od uskopojasnoga zračenja elektromagnetske energije – 4. dio: Metode uzbude kabelskoga snopa
- ISO 12098:2020 en  
Road vehicles – Connectors for the electrical connection of towing and towed vehicles – 15-pole connector for vehicles with 24 V nominal supply voltage  
Cestovna vozila – Spojnici za električno spajanje vučnih i vučenih vozila – 15-polni spojnik za vozila s nazivnim naponom napajanja 24 V
- ISO 15007:2020 en  
Road vehicles – Measurement and analysis of driver visual behaviour with respect to transport information and control systems  
Cestovna vozila – Mjerenje i analiza usmjerenosti pogleda vozača s obzirom na prometne obavijesti i upravljačke sustave
- ISO 15501-1:2016/Amd 1:2021 en  
Road vehicles – Compressed natural gas (CNG) fuel systems – Part 1: Safety requirements  
Cestovna vozila – Sustavi za stlačeni prirodni plin (SPP) kao gorivo – 1. dio: Sigurnosni zahtjevi
- ISO 20176:2020 en  
Road vehicles – H-point machine (HPM-II) – Specifications and procedure for H-point determination  
Cestovna vozila – Stroj za određivanje točke H (HPM-II) – Specifikacije i postupak određivanja točke H

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

- EN ISO 17962:2015/prA1 en  
Agricultural machinery – Equipment for sowing – Minimization of the environmental effects of fan exhaust from pneumatic systems (ISO 17962:2015/DAMD 1:2020)  
Poljoprivredna mehanizacija – Oprema za sjetvu – Smanjenje utjecaja ispuha ventilatora pneumatskih sustava na okoliš (ISO 17962:2015/DAMD 1:2020)
- prEN ISO 22867 en  
Forestry and gardening machinery – Vibration test code for portable hand-held machines with internal combustion engine – Vibration at the handles (ISO/DIS 22867:2020)  
Šumarska i vrtna mehanizacija – Ispitno pravilo za vibraciju na prenosivim ručno upravljanim strojevima s motorom s unutrašnjim izgaranjem – Vibracija na ručkama (ISO/DIS 22867:2020)

## **HZN/TO 25, Ljevarstvo**

- prEN 1561 en  
Founding – Grey cast irons  
Ljevarstvo – Sivi željezni lijevovi
- prEN 16079 en  
Founding – Compacted (vermicular) graphite cast irons  
Ljevarstvo – Vermikularni lijevovi

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

- prEN 15522-1 en  
Oil spill identification Petroleum and petroleum related products Part 1: Sampling

prEN 15522-2 en

Oil spill identification – Waterborne petroleum and petroleum products – Part 2: Analytical methodology and interpretation of results based on GC-FID and GC-MS low resolution analyses  
Identifikacija izlivanja nafte – Izlivanje nafte i naftnih proizvoda u vodu – 2. dio: Anališka metodologija i tumačenje rezultata na temelju GC-FID i GC-MS analize niske rezolucije

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

prEN ISO 8253-3 en

Acoustics – Audiometric test methods – Part 3: Speech audiometry (ISO/DIS 8253-3:2020)  
Akustika – Audiometrijske metode ispitivanja – 3. dio: Audiometrija govornim signalima (ISO/DIS 8253-3:2020)

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

prEN ISO 3834-2 en

Quality requirements for fusion welding of metallic materials – Part 2: Comprehensive quality requirements (ISO/FDIS 3834-2:2020)  
Zahtjevi za kvalitetu zavarivanja taljenjem metalnih materijala – 2. dio: Sveobuhvatni zahtjevi za kvalitetu (ISO/FDIS 3834-2:2020)

prEN ISO 3834-3 en

Quality requirements for fusion welding of metallic materials – Part 3: Standard quality requirements (ISO/FDIS 3834-3:2020)  
Zahtjevi za kvalitetu zavarivanja taljenjem metalnih materijala – 3. dio: Standardni zahtjevi za kvalitetu (ISO/FDIS 3834-3:2020)

prEN ISO 3834-4 en

Quality requirements for fusion welding of metallic materials – Part 4: Elementary quality requirements (ISO/FDIS 3834-4:2020)  
Zahtjevi za kvalitetu zavarivanja taljenjem metalnih materijala – 4. dio: Osnovni zahtjevi za kvalitetu (ISO/FDIS 3834-4:2020)

prEN ISO 4063 en

Welding, brazing, soldering, cutting, mechanical joining and adhesive bonding – Nomenclature of processes and reference numbers (ISO/DIS 4063:2020)

EN ISO 17633:2018/prA1 en

Welding consumables – Tubular cored electrodes and rods for gas shielded and non-gas shielded metal arc welding of stainless and heat-resisting steels – Classification (ISO 17633:2017/DAMd 1:2020)  
Dodatni i potrošni materijali za zavarivanje – Žice punjene praškom i šipke za elektrolučno zavarivanje sa zaštitnim plinom i bez zaštitnog plina za nehrđajuće čelike i čelike otporne na visoke temperature – Razredba (ISO 17633:2017/DAMd 1:2020)

#### **HZN/TO 46, Bibliotekarstvo, dokumentacija i informacije**

ISO 32000-2:2020 en

Document management – Portable document format – Part 2: PDF 2.0  
Upravljanje dokumentima – Format prenosivog dokumenta – 2. dio: PDF 2.0

#### **HZN/TO 69, Primjena statističkih metoda**

ISO 22514-3:2020 en

Statistical methods in process management – Capability and performance – Part 3: Machine performance studies for measured data on discrete parts  
Statističke metode pri upravljanju procesima – Sposobnost i izvedba – 3. dio: Analiza rada strojeva na temelju podataka mjerenja na pojedinačnim dijelovima

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

prEN 17625 en

Roof-top units  
Krovne jedinice

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

prEN ISO 19223 en

Lung ventilators and related equipment – Vocabulary and semantics (ISO 19223:2019)  
Plućni ventilatori i srodna oprema – Terminološki rječnik i semantika (ISO 19223:2019)

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

prEN ISO 10304-4 en

Water quality – Determination of dissolved anions by liquid chromatography of ions – Part 4: Determination of chlorate, chloride and chlorite in water with low contamination (ISO/DIS 10304-4:2020)  
Kvaliteta vode – Određivanje otopljenih aniona ionskom tekućinskom kromatografijom – 4. dio: Određivanje klorata, klorida i klorita u slabo onečišćenim vodama (ISO/DIS 10304-4:2020)

#### **HZN/TO 163, Toplinska izolacija**

prEN ISO 12571 en

Hygrothermal performance of building materials and products – Determination of hygroscopic sorption properties (ISO/DIS 12571:2020)  
Značajke građevnih materijala i proizvoda s obzirom na toplinu i vlagu – Određivanje svojstava higroskopske sorpcije (ISO/DIS 12571:2020)

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

ISO 12858-2:2020 en

Optics and optical instruments – Ancillary devices for geodetic instruments – Part 2: Tripods  
Optika i optički instrumenti – Pomoćni uređaji za geodetske uređaje – 2. dio: Tronošci

prEN ISO 15798 en

Ophthalmic implants – Ophthalmic viscosurgical devices (ISO/DIS 15798:2020)  
Oftalmološki implantanti – Oftalmološka viskoznokirurška sredstva (ISO/DIS 15798:2020)

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

prEN ISO 6709 en

Standard representation of geographic point location by coordinates (ISO/DIS 6709:2020)  
Standardni prikaz položaja geografske točke koordinatama (ISO/DIS 6709:2020)

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

prEN 1001 en

Durability of wood and wood-based products – Terminology

prEN 12037 en

Wood preservatives – Field test method for determining the relative protective effectiveness of a wood preservative exposed out of ground contact – Horizontal lap-joint method

prEN 14734 en

Durability of wood and wood-based products – Determination of treatability of timber species to be impregnated with wood preservatives – Laboratory method

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

ISO 50004:2020 en

Energy management systems – Guidance for the implementation, maintenance and improvement of an ISO 50001 energy management system  
Sustavi upravljanja energijom – Upute za primjenu, održavanje i poboljšavanje sustava upravljanja energijom u skladu s normom ISO 50001

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

prEN ISO 21809-2 en

Petroleum and natural gas industries – External coatings for buried or submerged pipelines used in pipeline transportation systems – Part 2: Single layer fusion-bonded epoxy coatings (ISO/DIS 21809-2:2020)  
Industrija nafte i zemnoga plina – Vanjske prevlake za podzemne ili podvodne cjevovode za upotrebu u cjevovodnim transportnim sustavima – 2. dio: Jednoslojne staljene epoksidne prevlake (ISO/DIS 21809-2:2020)

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

- prEN ISO 340 en  
Conveyor belts – Laboratory scale flammability characteristics – Requirements and test method (ISO/DIS 340:2020)  
Transportne trake – Laboratorijske značajke zapaljivosti – Zahtjevi i metoda ispitivanja (ISO/DIS 340:2020)

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

- EN ISO 4892-2:2013/prA1 en  
Plastics – Methods of exposure to laboratory light sources – Part 2: Xenon-arc lamps – Amendment 1: Classification of daylight filters (ISO 4892-2:2013/DAmD 1:2020)

- prEN ISO 11358-1 en  
Plastics – Thermogravimetry (TG) of polymers – Part 1: General principles (ISO/DIS 11358-1:2020)  
Plastika – Termogravimetrija (TG) polimera – 1. dio: Opća načela (ISO/DIS 11358-1:2020)

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

- prEN 12697-37 en  
Bituminous mixtures – Test methods – Part 37: Hot sand test for the adhesivity of binder on pre-coated chippings for Hot-Rolled-Asphalt (HRA)  
Bitumenske mješavine – Metode ispitivanja – 37. dio: Ispitivanje prionljivosti veziva vrućim pijeskom na prethodno obavijenu zrnju agregata za HRA (Hot Rolled Asphalt)

- prEN 12697-38 en  
Bituminous mixtures – Test methods – Part 38: Common equipment and calibration  
Bitumenske mješavine – Metode ispitivanja – 38. dio: Opća oprema i umjeravanje

- prEN 12697-41 en  
Bituminous mixtures – Test methods – Part 41: Resistance to de-icing fluids  
Bitumenske mješavine – Metode ispitivanja – 41. dio: Otpornost na tekućine za odleđivanje

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

- EN 1527:2019/prA1 en  
Building hardware – Hardware for sliding doors and folding doors – Requirements and test methods  
Građevni okovi – Okovi za klizna i složiva vrata – Zahtjevi i metode ispitivanja

- prEN 1529 en  
Door leaves – Height, width, thickness and squareness – Tolerance classes  
Vratna krila – Visina, širina, debljina i pravokutnost – Razredba dopuštenih odstupanja

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

- prEN 16616 en  
Chemical disinfectants and antiseptics – Chemical-thermal textile disinfection – Test method and requirements (phase 2, step 2)  
Kemijski dezinficijensi i antiseptici – Kemijsko-toplinska dezinfekcija tekstila – Metoda ispitivanja i zahtjevi (faza 2, korak 2)

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

- ISO/DIS 4382-1 en  
Plain bearings – Copper alloys – Part 1: Cast copper alloys for solid and multilayer thick-walled plain bearings  
Klizni ležajevi – Legure bakra – 1. dio: Legure bakra za lijevanje za jednoslojne ili višeslojne debelostijene klizne ležajeve

- ISO/DIS 4382-2 en  
Plain bearings – Copper alloys – Part 2: Wrought copper alloys for solid plain bearings  
Klizni ležajevi – Legure bakra – 2. dio: Legure bakra za kovanje za jednoslojne klizne ležajeve

- ISO 5593:2019 en  
Rolling bearings – Vocabulary  
Valjni ležajevi – Terminološki rječnik

- ISO 5598:2020 en  
Fluid power systems and components – Vocabulary  
Hidraulični i pneumatski sustavi i sastavnice – Terminološki rječnik

- ISO 6336-1:2019 en  
Calculation of load capacity of spur and helical gears – Part 1: Basic principles, introduction and general influence factors  
Proračun nosivosti cilindričnih zupčanika s ravnim ili kosim zubima – 1. dio: Temeljna načela, uvod i opći utjecajni faktori

- ISO 6336-2:2019 en  
Calculation of load capacity of spur and helical gears – Part 2: Calculation of surface durability (pitting)  
Proračun nosivosti cilindričnih zupčanika s ravnim ili kosim zubima – 2. dio: Proračun nosivosti boka zuba (rupičenje)

- ISO 6336-3:2019 en  
Calculation of load capacity of spur and helical gears – Part 3: Calculation of tooth bending strength  
Proračun nosivosti cilindričnih zupčanika s ravnim ili kosim zubima – 3. dio: Proračun nosivosti korijena zuba

- ISO 6336-5:2016 en  
Calculation of load capacity of spur and helical gears – Part 5: Strength and quality of materials  
Proračun nosivosti cilindričnih zupčanika s ravnim ili kosim zubima – 5. dio: Čvrstoća i kvaliteta materijala

- ISO 6336-6:2019 en  
Calculation of load capacity of spur and helical gears – Part 6: Calculation of service life under variable load  
Proračun nosivosti cilindričnih zupčanika s ravnim ili kosim zubima – 6. dio: Proračun radnog vijeka pod promjenljivim opterećenjem

- ISO/FDIS 6691 en  
Thermoplastic polymers for plain bearings – Classification and designation  
Termoplastični polimeri za klizne ležajeve – Razredba i označavanje

- ISO 7146-1:2019 en  
Plain bearings – Appearance and characterization of damage to metallic hydrodynamic bearings – Part 1: General  
Klizni ležajevi – Izgled i karakterizacija oštećenja metalnih hidrodinamičkih ležajeva – 1. dio: Općenito

- ISO 7146-2:2019 en  
Plain bearings – Appearance and characterization of damage to metallic hydrodynamic bearings – Part 2: Cavitation erosion and its countermeasures  
Klizni ležajevi – Izgled i karakterizacija oštećenja metalnih hidrodinamičkih ležajeva – 2. dio: Kavitacijska erozija i protumjere

- ISO 7902-2:2020 en  
Hydrodynamic plain journal bearings under steady-state conditions – Circular cylindrical bearings – Part 2: Functions used in the calculation procedure  
Hidrodinamički klizni ležajevi u ustaljenome radu – Kružno cilindrični ležajevi – 2. dio: Funkcije upotrijebljene u postupku izračunavanja

- ISO 7902-3:2020 en  
Hydrodynamic plain journal bearings under steady-state conditions – Circular cylindrical bearings – Part 3: Permissible operational parameters  
Hidrodinamički klizni ležajevi u ustaljenome radu – Kružno-cilindrični ležajevi – 3. dio: Dopušteni radni parametri

- ISO/FDIS 7905-1 en  
Plain bearings – Bearing fatigue – Part 1: Plain bearings in test rigs and in applications under conditions of hydrodynamic lubrication  
Klizni ležajevi – Zamor materijala ležaja – 1. dio: Klizni ležajevi u ispitnome sklopu i primjeni u uvjetima hidrodinamičkog podmazivanja

- ISO/DIS 7905-2 en  
Plain bearings – Bearing fatigue – Part 2: Test with a cylindrical specimen of a metallic bearing material  
Klizni ležajevi – Zamor materijala ležaja – 2. dio: Ispitivanje s cilindričnim uzorkom metalnoga materijala ležaja

- ISO 7905-3:2019 en  
Plain bearings – Bearing fatigue – Part 3: Test on plain strips of a metallic multilayer bearing material  
Klizni ležajevi – Zamor materijala ležaja – 3. dio: Ispitivanje materijala ležaja izrađenih iz višeslojnih kliznih metalnih traka
- ISO/DIS 7905-4 en  
Plain bearings – Bearing fatigue – Part 4: Tests on half-bearings of a metallic multilayer bearing material  
Klizni ležajevi – Zamor materijala ležaja – 4. dio: Ispitivanja poluležajeva izrađenih iz metalnog višeslojnoga materijala ležaja
- ISO 11687-1:2020 en  
Plain bearings – Pedestal plain bearings – Part 1: Pillow blocks  
Klizni ležajevi – Ležajni sklopovi – 1. dio: Ležajevi s podnožjem
- ISO 11687-2:2020 en  
Plain bearings – Pedestal plain bearings – Part 2: Side flange bearings  
Klizni ležajevi – Ležajni sklopovi – 2. dio: Ležajevi s bočnom prirubnicom
- ISO 11687-3:2020 en  
Plain bearings – Pedestal plain bearings – Part 3: Centre flange bearings  
Klizni ležajevi – Ležajni sklopovi – 3. dio: Ležajevi sa središnjom prirubnicom
- ISO 12128:2020 en  
Plain bearings – Lubrication holes, grooves and pockets – Dimensions, types, designation and their application to bearing bushes  
Klizni ležajevi – Provrti, kanali i džepovi za podmazivanje – Izmjere, vrste, označavanje i njihova primjena na ležajne čahure
- ISO 12129-1:2019 en  
Plain bearings – Tolerances – Part 1: Fits  
Klizni ležajevi – Tolerancije – 1. dio: Dosjedi
- ISO 12129-2:2019 en  
Plain bearings – Tolerances – Part 2: Tolerances on form and position and surface roughness for shafts and thrust collars  
Klizni ležajevi – Tolerancije – 2. dio: Tolerancije oblika i položaja i hrapavost površina za rukavce i odzivne prstenove
- ISO 12130-3:2020 en  
Plain bearings – Hydrodynamic plain tilting pad thrust bearings under steady-state conditions – Part 3: Guide values for the calculation of tilting pad thrust bearings  
Klizni ležajevi – Hidrodinamički aksijalni ležajevi s nagibnim segmentima u ustaljenom radu – 3. dio: Preporučene vrijednosti za proračun aksijalnih ležajeva s nagibnim segmentima
- ISO 12131-1:2020 en  
Plain bearings – Hydrodynamic plain thrust pad bearings under steady-state conditions – Part 1: Calculation of thrust pad bearings  
Klizni ležajevi – Hidrodinamički aksijalni ležajevi s nepomičnim segmentima u ustaljenom radu – 1. dio: Proračun aksijalnih ležajeva s nepomičnim segmentima
- ISO 12131-3:2020 en  
Plain bearings – Hydrodynamic plain thrust pad bearings under steady-state conditions – Part 3: Guide values for the calculation of thrust pad bearings  
Klizni ležajevi – Hidrodinamički aksijalni ležajevi s nepomičnim segmentima u ustaljenom radu – 3. dio: Preporučene vrijednosti za proračun aksijalnih ležajeva s nepomičnim segmentima
- ISO 12168-1:2019 en  
Plain bearings – Hydrostatic plain journal bearings without drainage grooves under steady-state conditions – Part 1: Calculation of oil-lubricated plain journal bearings without drainage grooves  
Klizni ležajevi – Hidrostatički radijalni klizni ležajevi bez odvodnih kanala u uvjetima ravnoteže – 1. dio: Proračun radijalnih kliznih ležajeva podmazivanih uljem bez odvodnih kanala
- ISO 12168-2:2019 en  
Plain bearings – Hydrostatic plain journal bearings without drainage grooves under steady-state conditions – Part 2: Characteristic values for the calculation of oil-lubricated plain journal bearings without drainage grooves  
Klizni ležajevi – Hidrostatički radijalni klizni ležajevi bez odvodnih kanala u ustaljenom radu – 2. dio: Karakteristične vrijednosti za proračun radijalnih kliznih ležajeva podmazivanih uljem bez odvodnih kanala
- ISO/FDIS 16287 en  
Plain bearings – Thermoplastic bushes – Dimensions and tolerances  
Klizni ležajevi – Termoplastične čahure – Izmjere i tolerancije
- HZN/TO 549, Svjetlo i rasvjeta**
- FprCEN/TS 17623 en  
BIM Properties for lighting – Luminaires and sensing devices  
BIM Svojstva za rasvjetu – Svjetiljke i senzori
- HZN/TO 555, Medicinski proizvodi**
- prEN ISO 15883-1 en  
Washer-disinfectors – Part 1: General requirements, terms and definitions and tests (ISO/DIS 15883-1:2020)  
Uređaji za pranje i dezinfekciju – 1. dio: Opći zahtjevi, nazivi, definicije i ispitivanja (ISO/DIS 15883-1:2020)
- HZN/TO 557, Zaštitna odjeća**
- EN ISO 15384:2020/prA1 en  
Protective clothing for firefighters – Laboratory test methods and performance requirements for wildland firefighting clothing (ISO 15384:2018/DAMd 1:2020)  
Zaštitna odjeća za vatrogasce – Laboratorijske metode ispitivanja i zahtjevi za svojstva vatrogasne odjeće za gašenje požara na otvorenom prostoru (ISO 15384:2018/DAMd 1:2020)
- HZN/TO 559, Zaporni, regulacijski i sigurnosni uređaji**
- prEN ISO 22153 en  
Electric actuators for industrial valves – General requirements (ISO 22153:2020)  
Električni pokretači za industrijske zaporne uređaje – Opći zahtjevi (ISO 22153:2020)
- HZN/TO 560, Tekstilni proizvodi**
- prEN ISO 6330 en  
Textiles – Domestic washing and drying procedures for textile testing (ISO/DIS 6330:2020)  
Tekstil – Postupci pranja i sušenja u kućanstvu za ispitivanje tekstila (ISO/DIS 6330:2020)
- HZN/TO 561, Kotlovi, posude pod tlakom, cjevovodi i plinske boce**
- prEN 1439 en  
LPG equipment and accessories – Procedure for checking transportable refillable LPG cylinders before, during and after filling  
Oprema i pribor za UNP – Postupak provjere prenosivih, ponovno punjivih boca za UNP prije punjenja, tijekom punjenja i nakon punjenja
- prEN ISO 11114-2 en  
Gas cylinders – Compatibility of cylinder and valve materials with gas contents – Part 2: Non-metallic materials (ISO/DIS 11114-2:2020)  
Plinske boce – Uskladivost materijala boce i ventila sa sadržanim plinom – 2. dio: Nemetalni materijali (ISO/DIS 11114-2:2020)
- prEN ISO 11114-5 en  
Gas cylinders – Compatibility of cylinder and valve materials with gas contents – Part 5: Test methods for evaluating plastic liners (ISO/DIS 11114-5:2020)  
Plinske boce – Uskladivost materijala boce i ventila sa sadržanim plinom – 5. dio: Metode ispitivanja za ocjenjivanje plastičnih obloga (ISO/DIS 11114-5:2020)
- HZN/TO 562, Alatni strojevi i alati**
- EN ISO 16089:2015/prA1 en  
Machine tools – Safety – Stationary grinding machines (ISO 16089:2015/DAMd 1:2020)  
Alatni strojevi – Sigurnost – Stacionarne brusilice (ISO 16089:2015/DAMd 1:2020)



prEN ISO 16090-1 en  
Machine tools safety – Machining centres, milling machines, transfer machines – Part 1: Safety requirements (ISO/DIS 16090-1:2020)  
Sigurnost alatnih strojeva – Obradni centri, glodalice, strojevi za prijenos – 1. dio: Sigurnosni zahtjevi (ISO/DIS 16090-1:2020)

EN ISO 19085-10:2019/A11:2020 en  
Woodworking machines – Safety – Part 10: Building site saws (contractor saws)  
Strojevi za obradu drveta – Sigurnost – 10. dio: Građevinske pile

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

prEN ISO 21646 en  
Solid recovered fuels – Sample preparation (ISO/DIS 21646:2020)

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

ISO 18091:2019 en  
Quality management systems – Guidelines for the application of ISO 9001 in local government  
Sustavi upravljanja kvalitetom – Smjernice za primjenu ISO 9001 u lokalnoj upravi

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

prEN ISO 10218-2 en  
Robotics – Safety requirements for robot systems in an industrial environment – Part 2: Robot systems, robot applications and robot cells integration (ISO/DIS 10218-2:2020)  
Roboti i robotski uređaji – Sigurnosni zahtjevi za industrijske robote – 2. dio: Robotski sustavi i integracija (ISO/DIS 10218-2:2020)

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

EN 50318:2018/prAA:2020 en  
Railway applications – Current collection systems – Validation of simulation of the dynamic interaction between pantograph and overhead contact line  
Željeznički sustav – Sustavi oduzimača struje – Vrednovanje simulacije dinamičkog međudjelovanja između pantografa i kontaktnog voda

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

EN IEC 60947-5-2:2020/prAA en  
Low-voltage switchgear and controlgear – Part 5-2: Control circuit devices and switching elements – Proximity switches  
Niskonaponska sklopna aparatura – Dio 5-2: Aparati za upravljačke strujne krugove i sklopni elementi – Blizinske sklopke

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

prEN IEC 62386-150:2020 en  
Digital addressable lighting interface – Part 150: Particular requirements – Auxiliary Power Supply (IEC 62386-150:202X)  
Digitalno upravljanje rasvjetom – 150. dio: Posebni zahtjevi – Pomoćni izvor napajanja (IEC 62386-150:202X)

prEN IEC 62386-250:2020 en  
Digital addressable lighting interface – Part 250: Particular requirements – Integrated Power Supply (Device Type 49) (IEC 62386-250:202X)  
Digitalno upravljanje rasvjetom – 250. dio: Posebni zahtjevi – Integrirani izvor napajanja (Tip uređaja 49) (IEC 62386-250:202X)

prEN IEC 62386-251:2020 en  
Digital addressable lighting interface – Part 251: Particular requirements – Memory bank 1 extension (Device Type 50) (IEC 62386-251:202X)  
Digitalno upravljanje rasvjetom – 251. dio: Posebni zahtjevi – Proširenje memorijske banke 1 (Tip uređaja 50) (IEC 62386-251:202X)

prEN IEC 62386-252:2020 en  
Digital addressable lighting interface – Part 252: Particular requirements – Energy Reporting (Device Type 51) (IEC 62386-252:202X)  
Digitalno upravljanje rasvjetom – 252. dio: Posebni zahtjevi – Izveštavanje o energiji (Tip uređaja 51) (IEC 62386-252:202X)

prEN IEC 62386-253:2020 en  
Digital addressable lighting interface – Part 253: Particular requirements – Diagnostics and maintenance (Device Type 52) (IEC 62386-253:202X)  
Digitalno upravljanje rasvjetom – 253. dio: Posebni zahtjevi – Dijagnostika i održavanje (Tip uređaja 52) (IEC 62386-253:202X)

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

prEN IEC/IEEE 60980-344 en  
Nuclear facilities – Equipment important to safety – Seismic qualification (IEC/IEEE 60980-344:2020)  
Nuklearna postrojenja – Oprema važna za sigurnost – Seizmička kvalifikacija (IEC/IEEE 60980-344:2020)

prEN IEC 63046 en  
Nuclear power plants – Electrical power system – General requirements (IEC 63046:2020)  
Nuklearne elektrane – Elektroenergetski sustav – Opći zahtjevi (IEC 63046:2020)

### **HZN/TO E55, Žice za namote**

prEN IEC 60317-84:2020 en  
Specifications for particular types of winding wires – Part 84: Polyesterimide enamelled round copper wire, class 200 (IEC 60317-84:202X)  
Specifikacije pojedinih vrsta žica za namote – 84. dio: Okrugla bakrena žica lakirana poliesterimidom, razreda 200 (IEC 60317-84:202X)

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

prEN IEC 62325-451-8:2020 en  
Framework for energy market communications – Part 451-8: HVDC processes, contextual and assembly models for European style market (IEC 62325-451-8:202X)  
Okvir za komunikaciju na tržištu električnom energijom – Dio 451-8: Procesi istosmjernje struje visokog napona (HVDC), kontekstualni i skupni modeli za europsko tržište (IEC 62325-451-8:202X)

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

EN 60335-2-61:2003/prA12:2020 en  
Household and similar electrical appliances – Safety – Part 2-61: Particular requirements for thermal-storage room heaters  
Kućanski i slični električni aparati – Sigurnost – Dio 2-61: Posebni zahtjevi za termoakumulacijske peći

EN 60335-2-86:2018/prAA:2020 en  
Household and similar electrical appliances – Safety – Part 2-86: Particular requirements for electric fishing machines  
Kućanski i slični električni aparati – Sigurnost – Dio 2-86: Posebni zahtjevi za električne aparate za pećanje

EN IEC 60335-2-87:2020/prA1:2020 en  
Household and similar electrical appliances – Safety – Part 2-87: Particular requirements for electrical animal-stunning equipment (IEC 60335-2-87:2016/am1:2018)  
Kućanski i slični električni aparati – Sigurnost – Dio 2-87: Posebni zahtjevi za opremu za omamljivanje životinja (IEC 60335-2-87:2016/am1:2018)

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

prEN IEC 60751:2020 en  
Industrial platinum resistance thermometers and platinum temperature sensors (IEC 60751:202X)  
Industrijski platinasti otpornički termometri i platinasta toplinska osjetila (osjetila temperature) (IEC 60751:202X)

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

EN 62262:2002/prA1:2020 en  
Degrees of protection provided by enclosures for electrical equipment against external mechanical impacts (IK code) (IEC 62262:2002/am1:202X)  
Stupnjevi zaštite za električnu opremu osigurani kućištima od vanjskih mehaničkih udara (IK kod) (IEC 62262:2002/am1:202X)

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

prEN 50374 en  
Conductor carts  
Kolica za vožnju vodičem

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

EN 50131-6:2017/prA1 en  
Alarm systems – Intrusion and hold-up systems – Part 6:  
Power supplies  
Alarmni sustavi – Protuprovalni i protuprepadni sustavi  
– 6. dio: Izvori napajanja

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

prEN IEC 61557-17:2020 en  
Electrical safety in low voltage distribution systems up to  
1 000 V a.c. and 1 500 V d.c. – Equipment for testing  
– Measuring and monitoring of protective measures – Part 17:  
Non contact voltage indicators (IEC 61557-17:202X)

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

prEN IEC 63246-2:2020 en  
Multimedia systems and equipment for cars – Configurable  
Car Infotainment Services (CCIS) – Part 2: Requirements  
(TA 17) (IEC 63246-2:202X)  
Multimedijski sustavi i oprema u vozilima – Podesive usluge  
sustava za informiranje i zabavu u vozilu (CCIS) – 2. dio:  
Zahtjevi (TA 17) (IEC 63246-2:202X)

prEN IEC 63246-3:2020 en  
Multimedia systems and equipment for cars – Configurable  
Car Infotainment Services (CCIS) – Part 3: Framework  
(TA 17) (IEC 63246-3:202X)  
Multimedijski sustavi i oprema u vozilima – Podesive usluge  
sustava za informiranje i zabavu u vozilu (CCIS) – 3. dio:  
Okvir (TA 17) (IEC 63246-3:202X)

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

prEN IEC/IEEE 62209-1528 en  
Measurement procedure for the assessment of specific  
absorption rate of human exposure to radio frequency fields  
from hand-held and body-mounted wireless communication  
devices – Part 1528: Human models, instrumentation,  
and procedures (Frequency range of 4 MHz to 10 GHz)  
(IEC/IEEE 62209-1528:2020)  
Mjerni postupak za procjenu gustoće apsorbirane snage  
tijekom izloženosti ljudi radiofrekvencijskim poljima  
ručnih uređaja i na tijelo postavljenih uređaja za bežičnu  
komunikaciju – 1528. dio: Ljudski modeli, instrumentacija  
i procedure (frekvencijsko područje od 4 MHz do 10 GHz)  
(IEC/IEEE 62209-1528:2020)

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

prEN IEC 60318-7:2021 en  
Electroacoustics – Simulators of human head and ear  
– Part 7: Head and torso simulator for the measurement of  
sound sources close to the ear (IEC 60318-7:202X)  
Elektroakustika – Simulatori ljudske glave i uha – 7. dio:  
Simulatori glave i trupa za mjerenja zvučnih izvora u blizini  
uha (IEC 60318-7:202X)

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

Draft EN 302 567 V2.2.0:2020 en  
Multiple-Gigabit/s radio equipment operating in the 60 GHz  
band – Harmonised Standard for access to radio spectrum  
Radijska oprema za brzine od više Gigabit/s koja radi u  
frekvencijskom pojasu od 60 GHz – Harmonizirana norma za  
pristup radijskom spektru

Draft EN 303 363-1 V1.0.1:2020 en  
Air Traffic Control Surveillance Radar Sensors – Secondary  
Surveillance Radar (SSR) – Harmonised Standard for  
access to radio spectrum – Part 1: SSR Interrogator  
Nadzorni radarski senzori u sustavu kontrole zračnoga  
prometa – Sekundarni nadzorni radar (SSR) – Harmonizirana  
norma za pristup radijskom spektru – 1. dio: SSR pitac

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

prEN ISO 6321 en  
Animal and vegetable fats and oils – Determination of melting  
point in open capillary tubes (slip point) (ISO/DIS 6321:2020)  
Životinjske i biljne masti i ulja – Određivanje točke topljenja u  
otvorenim kapilarama (točka klizanja) (ISO/DIS 6321:2020)

prEN ISO 11124-5 en  
Preparation of steel substrates before application of paints and  
related products – Specifications for metallic blast-cleaning  
abrasives – Part 5: Steel cut wire shot (ISO 11124-5:2019)  
Priprema čeličnih podloga prije nanošenja boja i  
srodnih proizvoda – Specifikacije metalnih abraziva za  
čišćenje mlazom – 5. dio: Sačma od rezane čelične žice  
(ISO 11124-5:2019)

prEN ISO 18363-4 en  
Animal and vegetable fats and oils – Determination of  
fatty-acid-bound chloropropanediols (MCPDs) and glycidol by  
GC/MS – Part 4: Method using fast alkaline transesterification  
and measurement for 2-MCPD, 3-MCPD and glycidol by  
GC-MS/MS (ISO/DIS 18363-4:2020)  
Životinjske i biljne masti i ulja – Određivanje kloropropanediola  
(MCPD) i glicidola vezanih na masne kiseline pomoću  
GC/MS-a – 4. dio: Metoda na temelju brze transesterifikacije  
lužinama i mjerenja 2-MCPD, 3-MCPD i glicidola pomoću  
GC-MS/MS (ISO/DIS 18363-4:2020)

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

EN ISO 3164:2013/prA1 en  
Earth-moving machinery – Laboratory evaluations of  
protective structures – Specifications for deflection-limiting  
volume (ISO 3164:2013/DAMd 1:2020)  
Strojevi za zemljane radove – Laboratorijsko vrednovanje  
zaštitnih konstrukcija – Specifikacija graničnog volumena  
(s)kretanja (ISO 3164:2013/DAMd 1:2020)

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

prEN ISO 21801-1 en  
Cognitive accessibility – Part 1: General guidelines  
(ISO 21801-1:2020)  
Pristupačnost za osobe s kognitivnim teškoćama – 1. dio:  
Opće smjernice (ISO 21801-1:2020)

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

prEN 4709-002 en  
Aerospace series – Unmanned Aircraft Systems – Part 002:  
Direct Remote identification

prEN 4709-003 en  
Aerospace series – Unmanned Aircraft Systems – Part 003:  
Geo-awareness requirements

prEN 4709-004 en  
Aerospace series – Unmanned Aircraft Systems – Part 004:  
Lighting requirements

EN 4864:2020 en  
Aerospace series – Environmental testing – High dynamic  
abrasion, mar, scratch and punch test in cabin interior

prEN 9114 en  
Aerospace series – Quality systems – Direct Ship – Guidance  
for Aerospace Companies  
Zrakoplovstvo – Sustavi kvalitete – Upute za izravnu otpremu  
za zrakoplovne tvrtke

prEN 12312-4 en  
Aircraft ground support equipment – Specific requirements  
– Part 4: Passenger boarding bridges  
Oprema za zemaljsku podršku zrakoplovu – Posebni zahtjevi  
– 4. dio: Mostovi za ukrcaj putnika

prEN 16603-10-04 en  
Space engineering – Space environment  
Svemirsko inženjerstvo – Svemirska okolina

## HZN/TU U1, *Opća elektrotehnika 1*

EN IEC 60404-6:2018/prA1:2020 en  
Magnetic materials – Part 6: Methods of measurement of the magnetic properties of magnetically soft metallic and powder materials at frequencies in the range 20 Hz to 100 kHz by the use of ring specimens (IEC 60404-6:2018/am1:202X)  
Magnetski materijali – 6. dio: Mjerne metode magnetskih svojstava magnetski mekih metalnih i praškastih materijala na frekvencijama u rasponu od 20 Hz do 100 kHz uporabom prstenastih uzoraka (IEC 60404-6:2018/am1:202X)

## HZN/TU V1, *Elektronika 1*

prEN 50288-7 en  
Multi-element metallic cables used in analogue and digital communication and control – Part 7: Sectional specification for instrumentation and control cables  
Višežilni metalni kabeli za uporabu u analognim i digitalnim komunikacijama i upravljanju – 7. dio: Specifikacija za kabele za priključak instrumenata i upravljanje

prEN IEC 60794-1-31:2021 en  
Optical fibre cables – Part 1-31: Generic specification – Optical cable elements – Optical fibre ribbon (IEC 60794-1-31:202X)  
Svjetlovodni kabeli – Dio 1-31: Generička specifikacija – Elementi svjetlovodnog kabela – Traka od svjetlovodnih vlakana (IEC 60794-1-31:202X)

prEN IEC 61249-6-3:2020 en  
Materials for printed boards and other interconnecting structures – Part 6-3: Sectional specification set for reinforcement materials – Specification for finished fabric woven from “E” glass for printed boards (IEC 61249-6-3:202X)

prEN IEC 61280-1-3:2021 en  
Fibre optic communication subsystem test procedures – Part 1-3: General communication subsystems – Measurement of central wavelength, spectral width and additional spectral characteristics (IEC 61280-1-3:202X)

prEN IEC 61300-2-24:2020 en  
Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 2-24: Tests – Screen testing of ceramic alignment split sleeve by stress application (IEC 61300-2-24:202X)

EN IEC 61730-1:2018/prA1:2020 en  
Photovoltaic (PV) module safety qualification – Part 1: Requirements for construction (IEC 61730-1:2016/am1:202X)  
Kvalifikacija sigurnosti fotonaponskog (PV) modula – 1. dio: Zahtjevi za konstrukciju (IEC 61730-1:2016/am1:202X)

EN IEC 61730-2:2018/prA1:2020 en  
Photovoltaic (PV) module safety qualification – Part 2: Requirements for testing (IEC 61730-2:2016/am1:202X)  
Svojstvo sigurnosti fotonaponskog modula – 2. dio: Zahtjevi za ispitivanje (IEC 61730-2:2016/am1:202X)

prEN IEC 61757-2-1:2021 en  
Fibre Optic Sensors – Part 2-1: Temperature measurement – Temperature sensors based on fibre Bragg gratings (IEC 61757-2-1:202X)

prEN IEC 61757-3-2:2021 en  
Fibre Optic Sensors – Part 3-2: Acoustic sensing and vibration measurement – Distributed sensing (IEC 61757-3-2:202X)

prEN IEC 61757-5-1:2021 en  
Fibre optic sensors – Part 5-1: Tilt measurement – Tilt sensors based on fibre Bragg gratings (IEC 61757-5-1:202X)

prEN IEC 62435-9:2020 en  
Electronic components – Long-term storage of electronic semiconductor devices – Part 9: Special Cases (IEC 62435-9:202X)  
Elektroničke komponente – Dugoročno skladištenje elektroničkih poluvodičkih uređaja – 9. dio: Posebni slučajevi (IEC 62435-9:202X)

prEN IEC 62788-2-1:2020 en  
Measurement procedures for materials used in photovoltaic modules – Part 2-1: Polymeric materials – Frontsheet and backsheet – Safety requirements (IEC 62788-2-1:202X)

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

prEN IEC 60519-4:2021 en  
Safety in electroheating installations – Part 4: Particular requirements for arc furnace installations (IEC 60519-4:202X)  
Sigurnost u instalacijama električnoga grijanja – 4. dio: Posebni zahtjevi za instalacije za elektrolyne peći (IEC 60519-4:202X)

EN IEC 61810-4:2020 en  
Electromechanical elementary relays – Part 4: General and safety requirements for reed relays (IEC 61810-4:2020)  
Elektromehanički osnovni releji – 4. dio: Opći i sigurnosni zahtjevi za cijevne releje (IEC 61810-4:2020)

## HZN/TU Z1, *Informatika 1*

prEN ISO/IEC 27701 en  
Security techniques – Extension to ISO/IEC 27001 and ISO/IEC 27002 for privacy information management – Requirements and guidelines (ISO/IEC 27701:2019)

## 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*

HRS CEN/TS 14972:2011 en  
Stabilni protupožarni sustavi – Sustavi vodene magle – Projektiranje i ugradnja (CEN/TS 14972:2011)  
Fixed firefighting systems – Watermist systems – Design and installation (CEN/TS 14972:2011)  
- zamijenjena s: HRN EN 14972-1:2020

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

HRN EN 15199-1:2008 en  
Naftni proizvodi – Određivanje područja vrenja metodom plinske kromatografije – 1. dio: Srednji destilati i maziva bazna ulja (EN 15199-1:2006)  
Petroleum products – Determination of boiling range distribution by gas chromatography method – Part 1: Middle distillates and lubricating base oils (EN 15199-1:2006)  
- zamijenjena s: HRN EN 15199-1:2021

HRN EN 15199-2:2008 en  
Naftni proizvodi – Određivanje područja vrenja metodom plinske kromatografije – 2. dio: Teški destilati i ostatna goriva (EN 15199-2:2006)  
Petroleum products – Determination of boiling range distribution by gas chromatography method – Part 2: Heavy distillates and residual fuels (EN 15199-2:2006)  
- zamijenjena s: HRN EN 15199-2:2021

HRN EN 15199-3:2008 en  
Naftni proizvodi – Određivanje područja vrenja metodom plinske kromatografije – 3. dio: Nafta (EN 15199-3:2008)  
Petroleum products – Determination of boiling range distribution by gas chromatography method – Part 3: Crude oil (EN 15199-3:2008)  
- zamijenjena s: HRN EN 15199-3:2021

## HZN/TO 43, *Akustika*

HRN EN ISO 717-1:2013 en  
Akustika – Određivanje jednobrojne vrijednosti zvučne izolacije zgrada i građevnih dijelova zgrade – 1. dio: Zračna zvučna izolacija (ISO 717-1:2013; EN ISO 717-1:2013)  
Acoustics – Rating of sound insulation in buildings and of building elements – Part 1: Airborne sound insulation (ISO 717-1:2013; EN ISO 717-1:2013)  
- zamijenjena s: HRN EN ISO 717-1:2021



HRN EN ISO 717-2:2013 en

Akustika – Određivanje jednobrojne vrijednosti zvučne izolacije zgrada i građevnih dijelova zgrade – 2. dio: Udarne zvučna izolacija (ISO 717-2:2013; EN ISO 717-2:2013)  
Acoustics – Rating of sound insulation in buildings and of building elements – Part 2: Impact sound insulation (ISO 717-2:2013; EN ISO 717-2:2013)  
- zamijenjena s: HRN EN ISO 717-2:2021

HRN EN ISO 2922:2001 en

Akustika – Mjerenja buke koju emitiraju plovni objekti na unutarnjim vodama i u lukama (ISO 2922:2000; EN ISO 2922:2000)  
Acoustics – Measurement of airborne sound emitted by vessels on inland waterways and harbours (ISO 2922:2000; EN ISO 2922:2000)  
- zamijenjena s: HRN EN ISO 2922:2021

HRN EN ISO 2922:2001/A1:2013 en

Akustika – Mjerenja buke koju emitiraju plovni objekti na unutarnjim vodama i u lukama (ISO 2922:2000/Amd 1:2013; EN ISO 2922:2000/A1:2013)  
Acoustics – Measurement of airborne sound emitted by vessels on inland waterways and harbours (ISO 2922:2000/Amd 1:2013; EN ISO 2922:2000/A1:2013)  
- zamijenjena s: HRN EN ISO 2922:2021

## HZN/TO 130, Grafička tehnologija

HRN ISO 2834-1:2008 en

Grafička tehnologija – Laboratorijska priprema probnih otisaka – 1. dio: Premazne boje (ISO 2834-1:2006)  
Graphic technology – Laboratory preparation of test prints – Part 1: Paste inks (ISO 2834-1:2006)  
- zamijenjena s: HRN ISO 2834-1:2021

HRN ISO 12641:2014 en

Grafička tehnologija – Izmjena digitalnih podataka u grafičkoj pripremi – Kolorna testna polja za ulaznu kalibraciju skenera (ISO 12641:1997)  
Graphic technology – Prepress digital data exchange – Colour targets for input scanner calibration (ISO 12641:1997)  
- zamijenjena s: HRN ISO 12641-1:2017, HRN ISO 12641-2:2021

HRN ISO 12647-6:2014 en

Grafička tehnologija – Kontrola procesa pri izradi kolornih rasterskih separacija, probnih otisaka i proizvodnih otisaka – 6. dio: Fleksografski tisak (ISO 12647-6:2012)  
Graphic technology – Process control for the production of half-tone colour separations, proofs and production prints – Part 6: Flexographic printing (ISO 12647-6:2012)  
- zamijenjena s: HRN ISO 12647-6:2021

HRN ISO 12647-6:2014/A1:2017 en

Grafička tehnologija – Kontrola procesa pri izradi kolornih rasterskih separacija, probnih otisaka i proizvodnih otisaka – 6. dio: Fleksografski tisak (ISO 12647-6:2012/Amd 1:2015)  
Graphic technology – Process control for the production of half-tone colour separations, proofs and production prints – Part 6: Flexographic printing (ISO 12647-6:2012/Amd 1:2015)  
- zamijenjena s: HRN ISO 12647-6:2021

HRN ISO 16684-1:2017 en

Grafička tehnologija – Specifikacija proširive platforme metapodataka (XMP) – 1. dio: Model podataka, serijalizacija i temeljna svojstva (ISO 16684-1:2012)  
Graphic technology – Extensible metadata platform (XMP) specification – Part 1: Data model, serialization and core properties (ISO 16684-1:2012)  
- zamijenjena s: HRN ISO 16684-1:2021

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

HRN EN 71-2:2014 en

Sigurnost igraćaka – 2. dio: Zapaljivost (EN 71-2:2011+A1:2014)  
Safety of toys – Part 2: Flammability (EN 71-2:2011+A1:2014)  
- zamijenjena s: HRN EN 71-2:2021

HRN EN 71-4:2013 en

Sigurnost igraćaka – 4. dio: Eksperimentalna oprema za kemiju i srodne aktivnosti (EN 71-4:2013)  
Safety of toys – Part 4: Experimental sets for chemistry and related activities (EN 71-4:2013)  
- zamijenjena s: HRN EN 71-4:2021

## HZN/TO 218, Drvo

HRN EN 113:2008 en

Sredstva za zaštitu drva – Metoda ispitivanja za određivanje učinkovitosti zaštite protiv razarača drva iz odjeljka basidiomycetes – Određivanje toksičnih vrijednosti (EN 113:1996+A1:2004)  
Wood preservatives – Test method for determining the protective effectiveness against wood destroying basidiomycetes – Determination of the toxic values (EN 113:1996+A1:2004)  
- zamijenjena s: HRN EN 113-1:2021, HRN EN 113-2:2021

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

HRN EN ISO 18086:2017 en

Korozija metala i legura – Određivanje korozije izazvane djelovanjem izmjenične struje – Kriteriji zaštite (ISO 18086:2015; EN ISO 18086:2017)  
Corrosion of metals and alloys – Determination of AC corrosion – Protection criteria (ISO 18086:2015; EN ISO 18086:2017)  
- zamijenjena s: HRN EN ISO 18086:2021

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

HRN EN ISO 27509:2013 en

Industrija nafte i prirodnoga plina – Kompaktni prirubnički priključci s IX brtvnim prstenom (ISO 27509:2012+Cor 1:2013; EN ISO 27509:2012+AC:2013)  
Petroleum and natural gas industries – Compact flanged connections with IX seal ring (ISO 27509:2012+Cor 1:2013; EN ISO 27509:2012+AC:2013)  
- zamijenjena s: HRN EN ISO 27509:2021

## HZN/TO 513, Mjerne jedinice i mjerila

HRN ISO 8368:2004 en

Hidrometrijska određivanja – Mjerenje protoka u otvorenim kanalima uporabom struktura – Upute za odabir strukture (ISO 8368:1999)  
Hydrometric determinations – Flow measurements in open channels using structures – Guidelines for selection of structure (ISO 8368:1999)  
- zamijenjena s: HRN ISO 8368:2021

HRN ISO 13320:2016 en

Analiza veličine čestica – Metode laserske difrakcije (ISO 13320:2009)  
Particle size analysis – Laser diffraction methods (ISO 13320:2009)  
- zamijenjena s: HRN ISO 13320:2021

HRN ISO 14511:2008 en

Mjerenje protoka fluida u zatvorenim cjevovodima – Termomasena mjerila protoka (ISO 14511:2001)  
Measurement of fluid flow in closed conduits – Thermal mass flowmeters (ISO 14511:2001)  
- zamijenjena s: HRN ISO 14511:2021

HRN ISO 21501-2:2008 en

Određivanje raspodjele veličine čestica – Interakcijske metode osvjetljenosti pojedinačne čestice – 2. dio: Brojač čestica u tekućini pomoću raspršenja svjetlosti (ISO 21501-2:2007)  
Determination of particle size distribution – Single particle light interaction methods – Part 2: Light scattering liquid-borne particle counter (ISO 21501-2:2007)  
- zamijenjena s: HRN ISO 21501-2:2021

HRN ISO 21501-3:2008 en

Određivanje raspodjele veličine čestica – Interakcijske metode o osvjetljenosti pojedinačne čestice – 3. dio: Brojač čestica u tekućini pomoću slabljenja širenja svjetlosti (ISO 21501-3:2007)  
Determination of particle size distribution – Single particle light interaction methods – Part 3: Light extinction liquid-borne particle counter (ISO 21501-3:2007)  
- zamijenjena s: HRN ISO 21501-3:2021

## HZN/TO 528, Oprema za željeznice

HRN EN 15746-1:2012 en

Željeznički sustav – Željeznički gornji ustroj – Cestovno-željeznički strojevi i pripadajuća oprema – 1. dio: Tehnički zahtjevi za kretanje i rad (EN 15746-1:2010+A1:2011)  
Railway applications – Track – Road-rail machines and associated equipment – Part 1: Technical requirements for running and working (EN 15746-1:2010+A1:2011)  
- zamijenjena s: HRN EN 15746-1:2021



HRN EN 15746-2:2012 en  
Željeznički sustav – Željeznički gornji ustroj – Cestovno-željeznički strojevi i pripadajuća oprema – 2. dio: Opći sigurnosni zahtjevi (EN 15746-2:2010+A1:2011)  
Railway applications – Track – Road-rail machines and associated equipment – Part 2: General safety requirements (EN 15746-2:2010+A1:2011)  
- zamijenjena s: HRN EN 15746-2:2021

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

HRN EN 13155:2009 en  
Granici – Sigurnost – Ovjescna sredstva (EN 13155:2003+A2:2009)  
Cranes – Safety – Non-fixed load lifting attachments (EN 13155:2003+A2:2009)  
- zamijenjena s: HRN EN 13155:2021

HRN EN 13586:2008 en  
Granici – Pristup (EN 13586:2004+A1:2008)  
Cranes – Access (EN 13586:2004+A1:2008)  
- zamijenjena s: HRN EN 13586:2021

HRN EN 15011:2014 en  
Granici – Mosni i portalni granici (EN 15011:2011+A1:2014)  
Cranes – Bridge and gantry cranes (EN 15011:2011+A1:2014)  
- zamijenjena s: HRN EN 15011:2021

HRN EN 16851:2017 en  
Granici – Sustavi laganih granika (EN 16851:2017)  
Cranes – Light crane systems (EN 16851:2017)  
- zamijenjena s: HRN EN 16851:2021

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

HRN EN 12385-3:2008 en  
Čelična užad – Sigurnost – 3. dio: Upute za uporabu i održavanje (EN 12385-3:2004+A1:2008)  
Steel wire ropes – Safety – Part 3: Information for use and maintenance (EN 12385-3:2004+A1:2008)  
- zamijenjena s: HRN EN 12385-3:2021

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

HRN EN 12604:2017 en  
Industrijska, komercijalna, garažna i ostala ulazna vrata – Mehanička gledišta – Zahtjevi i metode ispitivanja (EN 12604:2017)  
Industrial, commercial and garage doors and gates – Mechanical aspects – Requirements and test methods (EN 12604:2017)  
- zamijenjena s: HRN EN 12604:2021

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

HRN EN 14799:2008 en,fr,de  
Zračni filtri za opće čišćenje zraka – Nazivlje (EN 14799:2007)  
Air filters for general air cleaning – Terminology (EN 14799:2007)  
- zamijenjena s: HRN EN ISO 29464:2021

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

HRN EN ISO 10993-1:2010 en  
Biološka procjena medicinskih proizvoda – 1. dio: Procjena i ispitivanje unutar procesa upravljanja rizikom (ISO 10993-1:2009; EN ISO 10993-1:2009)  
Biological evaluation of medical devices – Part 1: Evaluation and testing within a risk management process (ISO 10993-1:2009; EN ISO 10993-1:2009)  
- zamijenjena s: HRN EN ISO 10993-1:2021

HRN EN ISO 10993-1:2010/Ispr.1:2011 en  
Biološka procjena medicinskih proizvoda – 1. dio: Procjena i ispitivanje unutar procesa upravljanja rizikom – Tehnički ispravak 1 (ISO 10993-1:2009/Cor 1:2010; EN ISO 10993-1:2009/AC:2010)  
Biological evaluation of medical devices – Part 1: Evaluation and testing within a risk management process – Technical Corrigendum 1 (ISO 10993-1:2009/Cor 1:2010; EN ISO 10993-1:2009/AC:2010)  
- zamijenjena s: HRN EN ISO 10993-1:2021

HRN EN ISO 22442-1:2015 en  
Medicinski proizvodi u kojima se upotrebljavaju životinjska tkiva i njihovi derivati – 1. dio: Primjena upravljanja rizikom (ISO 22442-1:2015; EN ISO 22442-1:2015)  
Medical devices utilizing animal tissues and their derivatives – Part 1: Application of risk management (ISO 22442-1:2015; EN ISO 22442-1:2015)  
- zamijenjena s: HRN EN ISO 22442-1:2021

HRN EN ISO 22442-2:2015 en  
Medicinski proizvodi u kojima se upotrebljavaju životinjska tkiva i njihovi derivati – 2. dio: Kontrole podrijetla, skupljanje i rukovanje (ISO 22442-2:2015; EN ISO 22442-2:2015)  
Medical devices utilizing animal tissues and their derivatives – Part 2: Controls on sourcing, collection and handling (ISO 22442-2:2015; EN ISO 22442-2:2015)  
- zamijenjena s: HRN EN ISO 22442-2:2021

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

HRN EN ISO 1833-3:2019 en  
Tekstil – Kvantitativna kemijska analiza – 3. dio: Mješavine acetatnih i određenih drugih vlakana (metoda s uporabom acetona) (ISO 1833-3:2019; EN ISO 1833-3:2019)  
Textiles – Quantitative chemical analysis – Part 3: Mixtures of acetate with certain other fibres (method using acetone) (ISO 1833-3:2019; EN ISO 1833-3:2019)  
- zamijenjena s: HRN EN ISO 1833-3:2021

HRN ISO 8559-2:2019 en  
Sustav označivanja veličine odjeće – 2. dio: Primarni i sekundarni pokazatelji dimenzija (ISO 8559-2:2017)  
Size designation of clothes – Part 2: Primary and secondary dimension indicators (ISO 8559-2:2017)  
- zamijenjena s: HRN EN ISO 8559-2:2021

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

HRN EN 12493:2018 en  
Oprema i pribor za UNP – Zavarene čelične tlačne posude za UNP spremnike za cestovna vozila – Projektiranje i proizvodnja (EN 12493:2013+A2:2018)  
LPG equipment and accessories – Welded steel pressure vessels for LPG road tankers – Design and manufacture (EN 12493:2013+A2:2018)  
- zamijenjena s: HRN EN 12493:2021

HRN EN 13953:2015 en  
Oprema i pribor za UNP – Sigurnosni ventili prenosivih, ponovno punjivih boca za ukapljeni naftni plin (UNP) (EN 13953:2015)  
LPG equipment and accessories – Pressure relief valves for transportable refillable cylinders for Liquefied Petroleum Gas (LPG) (EN 13953:2015)  
- zamijenjena s: HRN EN 13953:2021

HRN EN 15888:2014 en  
Prenosive plinske boce – Baterije boca – Periodični pregled i ispitivanje (EN 15888:2014)  
Transportable gas cylinders – Cylinder bundles – Periodic inspection and testing (EN 15888:2014)  
- zamijenjena s: HRN EN ISO 20475:2021

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

HRN EN 15357:2011 hr,en,en  
Kruta oporabljena goriva – Nazivlje, definicije i opisi (EN 15357:2011)  
Solid recovered fuels – Terminology, definitions and descriptions (EN 15357:2011)  
- zamijenjena s: HRN EN ISO 21637:2021

HRN EN 15407:2011 en  
Kruta oporabljena goriva – Metode za određivanje sadržaja ugljika (C), vodika (H) i dušika (N) (EN 15407:2011)  
Solid recovered fuels – Methods for the determination of carbon (C), hydrogen (H) and nitrogen (N) content (EN 15407:2011)  
- zamijenjena s: HRN EN ISO 21663:2021

## HZN/TO E8, Sustavski vidovi opskrbe električnom energijom

HRS CLC/TS 50654-1:2020 en  
HVDC mrežni sistemi i priključene pretvaračke stanice – Smjernice i popisi parametara za funkcionalne specifikacije – 1. dio: Smjernice (CLC/TS 50654-1:2018)  
HVDC Grid Systems and connected Converter Stations – Guideline and Parameter Lists for Functional Specifications – Part 1: Guidelines (CLC/TS 50654-1:2018)  
- zamijenjena s: HRS CLC/TS 50654-1:2021

HRS CLC/TS 50654-2:2020 en  
HVDC mrežni sistemi i priključene pretvaračke stanice – Smjernice i popisi parametara za funkcionalne specifikacije – 2. dio: Popisi parametara (CLC/TS 50654-2:2018)  
HVDC Grid Systems and connected Converter Stations – Guideline and Parameter Lists for Functional Specifications – Part 2: Parameter Lists (CLC/TS 50654-2:2018)  
- zamijenjena s: HRS CLC/TS 50654-2:2021

## HZN/TO E31, Eksplozivne atmosfere

HRN EN 15188:2008 en  
Određivanje svojstava samozapaljenja taložene prašine (EN 15188:2007)  
Determination of the spontaneous ignition behaviour of dust accumulations (EN 15188:2007)  
- zamijenjena s: HRN EN 15188:2021

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

HRN EN 50364:2012 en  
Ograničenje izloženosti ljudi elektromagnetskim poljima uređaja koji rade u frekventijskom rasponu od 0 Hz do 300 GHz, a koriste se u elektroničkom nadzoru proizvoda (EAS), radiofrekventijskom prepoznavanju (RFID) i sličnim primjenama (EN 50364:2010)  
Limitation of human exposure to electromagnetic fields from devices operating in the frequency range 0 Hz to 300 GHz, used in Electronic Article Surveillance (EAS), Radio Frequency Identification (RFID) and similar applications (EN 50364:2010)  
- zamijenjena s: HRN EN 50364:2018

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

HRN CLC/R210-004:2004 en  
Preporuke za filtre za oklopljene zatvorene prostorije (CLC/R210-004:1999)  
Recommendations on filters for shielded enclosures (CLC/R210-004:1999)  
- bez zamjene

HRN CLC/R210-005:2004 en  
Preporuke za oklopljene zatvorene prostorije (CLC/R210-005:1999)  
Recommendations for shielded enclosures (CLC/R210-005:1999)  
- bez zamjene

HRN EN 55014-1:2015 hr  
Elektromagnetska kompatibilnost – Zahtjevi za kućanske uređaje, električne alate i slične uređaje – 1. dio: Emisija (CISPR 14-1:2005+am1:2008+am2:2011; EN 55014-1:2006+A1:2009+A2:2011)  
Electromagnetic compatibility – Requirements for household appliances, electric tools and similar apparatus – Part 1: Emission (CISPR 14-1:2005+am1:2008+am2:2011; EN 55014-1:2006+A1:2009+A2:2011)  
- zamijenjena s: HRN EN 55014-1:2017

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

HRN EN 14259:2008 en  
Adhezivi za podne obloge – Zahtjevi za mehaničku i električnu izvedbu (EN 14259:2003)  
Adhesives for floor coverings – Requirements for mechanical and electrical performance (EN 14259:2003)  
- zamijenjena s: HRN EN ISO 22636:2021

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

HRN EN 2133:2012 en  
Nizovi o zrakoplovstvu – Kadmijske prevlake za čelik s određenom zateznom čvrstoćom = 1 450 MPa, bakar, legure bakra i legure nikla (EN 2133:2010)  
Aerospace series – Cadmium plating of steels with specified tensile strength = 1 450 MPa, copper, copper alloys and nickel alloys (EN 2133:2010)  
- zamijenjena s: HRN EN 2133:2021

## 1.6 Ispravci hrvatskih norma

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

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

### • umjesto

HRN EN ISO 16119-2:2013  
Poljoprivredna i šumarska mehanizacija – Zahtjevi s obzirom na okoliš za prskalice – 2. dio: Horizontalne bučne prskalice (ISO 16119-2:2013; EN ISO 16119-2:2013)  
Agricultural and forestry machinery – Environmental requirements for sprayers – Part 2: Horizontal boom sprayers (ISO 16119-2:2013; EN ISO 16119-2:2013)

### • treba biti

HRN EN ISO 16119-2:2013  
Poljoprivredna i šumarska mehanizacija – Zahtjevi s obzirom na okoliš za prskalice – 2. dio: Horizontalne bučne prskalice (ISO 16119-2:2013, **ispravljena verzija 2017-03**; EN ISO 16119-2:2013)  
Agricultural and forestry machinery – Environmental requirements for sprayers – Part 2: Horizontal boom sprayers (ISO 16119-2:2013, **Corrected version 2017-03**; EN ISO 16119-2:2013)

## HZN/TO 43, Akustika

### • umjesto

HRN ISO 1996-2:2017  
Akustika – Opis, mjerenje i ocjenjivanje buke okoliša – 2. dio: Određivanje razina buke okoliša (ISO 1996-2:2017)  
Acoustics – Description, measurement and assessment of environmental noise – Part 2: Determination of environmental noise levels (ISO 1996-2:2017)

### • treba biti

HRN ISO 1996-2:2017  
Akustika – Opis, mjerenje i ocjenjivanje buke okoliša – 2. dio: Određivanje razina **zvučnog tlaka** (ISO 1996-2:2017)  
Acoustics – Description, measurement and assessment of environmental noise – Part 2: Determination of sound **pressure levels** (ISO 1996-2:2017)

## HZN/TO 215, Zdravstvena informatika

### • umjesto

HRN EN ISO 11073-10442:2017  
**Medicinska** informatika – Povezivost osobnoga medicinskog uređaja – Dio 10442: Namjena uređaja – Oprema za osnaživanje tijela (ISO/IEEE 11073-10442:2015; EN ISO 11073-10442:2017)  
Health informatics – Personal health device communication – Part 10442: Device specialization – Strength fitness equipment (ISO/IEEE 11073-10442:2015; EN ISO 11073-10442:2017)

### • treba biti

HRN EN ISO 11073-10442:2017  
**Zdravstvena** informatika – Povezivost osobnoga medicinskog uređaja – Dio 10442: Namjena uređaja – Oprema za osnaživanje tijela (ISO/IEEE 11073-10442:2015, **ispravljena verzija 2017-11-01**; EN ISO 11073-10442:2017)  
Health informatics – Personal health device communication – Part 10442: Device specialization – Strength fitness equipment (ISO/IEEE 11073-10442:2015, **Corrected version 2017-11-01**; EN ISO 11073-10442:2017)

- **umjesto**  
HRN EN ISO 21298:2017  
**Medicinska** informatika – Funkcionalne i strukturne uloge (ISO 21298:2017; EN ISO 21298:2017)  
Health informatics – Functional and structural roles (ISO 21298:2017; EN ISO 21298:2017)

- **treba biti**  
HRN EN ISO 21298:2017  
**Zdravstvena** informatika – Funkcionalne i strukturne uloge (ISO 21298:2017, **ispravljena verzija 2017-04**; EN ISO 21298:2017)  
Health informatics – Functional and structural roles (ISO 21298:2017, **Corrected version 2017-04**; EN ISO 21298:2017)

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

- **umjesto**  
HRN EN ISO 3949:2020  
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)

- **treba biti**  
HRN EN ISO 3949:2020  
Plastična crijeva i crijevni sklopovi – Tekstilom ojačane vrste za hidraulične primjene – Specifikacija (ISO 3949:2020, **ispravljena verzija 2020-12**; EN ISO 3949:2020)  
Plastics hoses and hose assemblies – Textile-reinforced types for hydraulic applications – Specification (ISO 3949:2020, **Corrected version 2020-12**; EN ISO 3949:2020)

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

- **umjesto**  
HRN CR 14378:2004  
Ventilacija u zgradama – Probno utvrđivanje koeficijenata gubitka mehaničke energije dijelova ventilacijskih uređaja (CR 14378:2002+**AC:2002**)  
Ventilation for buildings – Experimental determination of mechanical energy loss coefficients of air handling components (CR 14378:2002+**AC:2002**)

- **treba biti**  
HRN CR 14378:2004  
Ventilacija u zgradama – Probno utvrđivanje koeficijenata gubitka mehaničke energije dijelova ventilacijskih uređaja (CR 14378:2002)  
Ventilation for buildings – Experimental determination of mechanical energy loss coefficients of air handling components (CR 14378:2002)

## HZN/TO 544, *Strojni elementi*

- **umjesto**  
HRN EN ISO 4034:2013  
Šesterokutne matice (tip 1) – Proizvod kvalitete izrade C (ISO 4034:2012; EN ISO 4034:2012+**AC:2013**)  
Hexagon regular nuts (style 1) – Product grade C (ISO 4034:2012; EN ISO 4034:2012+**AC:2013**)

- **treba biti**  
HRN EN ISO 4034:2013  
Šesterokutne matice (tip 1) – Proizvod kvalitete izrade C (ISO 4034:2012; EN ISO 4034:2012)  
Hexagon regular nuts (style 1) – Product grade C (ISO 4034:2012; EN ISO 4034:2012)

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

- **umjesto**  
HRN EN 858-1:2002  
**Sustavi za odvajanje lakih tekućina (primjerice za ulja i benzin)** – 1. dio: Pravila projektiranja, izvedbe i ispitivanja, označavanje i kontrola kvalitete (EN 858-1:2002)  
Separator systems for light liquids (e.g. oil and petrol) – Part 1: Principles of product design, performance and testing, marking and quality control (EN 858-1:2002)

- **treba biti**  
HRN EN 858-1:2002  
**Separatorski sustavi za lake tekućine (naprimjer za ulja i benzin)** – 1. dio: Pravila projektiranja, izvedbe i ispitivanja, označavanje i kontrola kvalitete (EN 858-1:2002)  
Separator systems for light liquids (e.g. oil and petrol) – Part 1: Principles of product design, performance and testing, marking and quality control (EN 858-1:2002)

- **umjesto**  
HRN EN 858-1:2002/A1:2008  
**Sustavi za odvajanje lakih tekućina (primjerice za ulja i benzin)** – 1. dio: Pravila projektiranja, izvedbe i ispitivanja, označavanje i kontrola kvalitete (EN 858-1:2002/A1:2004)  
Separator systems for light liquids (e.g. oil and petrol) – Part 1: Principles of product design, performance and testing, marking and quality control (EN 858-1:2002/A1:2004)

- **treba biti**  
HRN EN 858-1:2002/A1:2008  
**Separatorski sustavi za lake tekućine (naprimjer za ulja i benzin)** – 1. dio: Pravila projektiranja, izvedbe i ispitivanja, označavanje i kontrola kvalitete (EN 858-1:2002/A1:2004)  
Separator systems for light liquids (e.g. oil and petrol) – Part 1: Principles of product design, performance and testing, marking and quality control (EN 858-1:2002/A1:2004)

- **umjesto**  
HRN EN 858-2:2003  
**Sustavi za odvajanje lakih tekućina (primjerice za ulja i benzin)** – 2. dio: Odabir nazivne veličine, ugradba, uporaba i održavanje (EN 858-2:2003)  
Separator systems for light liquids (e.g. oil and petrol) – Part 2: Selection of nominal size, installation, operation and maintenance (EN 858-2:2003)

- **treba biti**  
HRN EN 858-2:2003  
**Separatorski sustavi za lake tekućine (naprimjer za ulja i benzin)** – 2. dio: Odabir nazivne veličine, ugradba, uporaba i održavanje (EN 858-2:2003)  
Separator systems for light liquids (e.g. oil and petrol) – Part 2: Selection of nominal size, installation, operation and maintenance (EN 858-2:2003)

## HZN/TO 557, *Zaštitna odjeća*

- **umjesto**  
HRN EN ISO 9151:2016  
Odjeća za zaštitu od topline i plamena – Određivanje prolaza topline pri izlaganju plamenu (ISO 9151:2016; EN ISO 9151:2016)  
Protective clothing against heat and flame – Determination of heat transmission on exposure to flame (ISO 9151:2016; EN ISO 9151:2016)

- **treba biti**  
HRN EN ISO 9151:2016  
Odjeća za zaštitu od topline i plamena – Određivanje prolaza topline pri izlaganju plamenu (ISO 9151:2016, **ispravljena verzija 2017-03**; EN ISO 9151:2016)  
Protective clothing against heat and flame – Determination of heat transmission on exposure to flame (ISO 9151:2016, **Corrected version 2017-03**; EN ISO 9151:2016)

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

- **umjesto**

HRN EN ISO 19085-2:2017

Strojevi za obradu drveta – Sigurnost – 2. dio: Horizontalne kružne pile za ploče s pritisknim uređajem (ISO 19085-2:2017; EN ISO 19085-2:2017)  
Woodworking machines – Safety – Part 2: Horizontal beam panel circular sawing machines (ISO 19085-2:2017; EN ISO 19085-2:2017)

- **treba biti**

HRN EN ISO 19085-2:2017

Strojevi za obradu drveta – Sigurnost – 2. dio: Horizontalne kružne pile za ploče s pritisknim uređajem (ISO 19085-2:2017, **ispravljena verzija 2017-11-01**; EN ISO 19085-2:2017)  
Woodworking machines – Safety – Part 2: Horizontal beam panel circular sawing machines (ISO 19085-2:2017, **Corrected version 2017-11-01**; EN ISO 19085-2:2017)

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

- **umjesto**

HRN EN ISO/IEC 17000:2020

Ocjenjivanje sukladnosti – Rječnik i opća načela (ISO/IEC 17000:2020; EN ISO/IEC 17000:2020)  
Conformity assessment – Vocabulary and general principles (ISO/IEC 17000:2020; EN ISO/IEC 17000:2020)

- **treba biti**

HRN EN ISO/IEC 17000:2020

Ocjenjivanje sukladnosti – Rječnik i opća načela (ISO/IEC 17000:2020, **ispravljena verzija 2020-12**; EN ISO/IEC 17000:2020)  
Conformity assessment – Vocabulary and general principles (ISO/IEC 17000:2020, **Corrected version 2020-12**; EN ISO/IEC 17000:2020)

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

- **umjesto**

HRN EN ISO 10555-1:2013

Intravaskularni kateteri – Sterilni i jednokratni kateteri – 1. dio: Opći zahtjevi (ISO 10555-1:2013, ispravljena verzija **2013-07-01**; EN ISO 10555-1:2013)  
Intravascular catheters – Sterile and single-use catheters – Part 1: General requirements (ISO 10555-1:2013, Corrected version **2013-07-01**; EN ISO 10555-1:2013)

- **treba biti**

HRN EN ISO 10555-1:2013

Intravaskularni kateteri – Sterilni i jednokratni kateteri – 1. dio: Opći zahtjevi (ISO 10555-1:2013, ispravljena verzija **2014-01-15**; EN ISO 10555-1:2013)  
Intravascular catheters – Sterile and single-use catheters – Part 1: General requirements (ISO 10555-1:2013, Corrected version **2014-01-15**; EN ISO 10555-1:2013)

## HZN/TU Z1, *Informatika 1*

- **umjesto**

HRN EN ISO/IEC 19790:2020

Informacijska tehnologija – Sigurnosne tehnike – Sigurnosni zahtjevi za kriptografske module (ISO/IEC 19790:2012; EN ISO/IEC 19790:2020)  
Information technology – Security techniques – Security requirements for cryptographic modules (ISO/IEC 19790:2012; EN ISO/IEC 19790:2020)

- **treba biti**

HRN EN ISO/IEC 19790:2020

Informacijska tehnologija – Sigurnosne tehnike – Sigurnosni zahtjevi za kriptografske module (ISO/IEC 19790:2012, **ispravljena verzija 2015-12**; EN ISO/IEC 19790:2020)  
Information technology – Security techniques – Security requirements for cryptographic modules (ISO/IEC 19790:2012, **including corrected version 2015-12**; EN ISO/IEC 19790:2020)



## 2 Rezultati međunarodne i europske normizacije

### Europska normizacija (CEN)

Oznaka norme	Naslov norme	ICS	Datum objave
EN 352-2	Hearing protectors – General requirements – Part 2: Earplugs	13.340.20	2020-11
EN 352-3	Hearing protectors – General requirements – Part 3: Earmuffs attached to head protection and/or face protection devices	13.340.20	2020-11
EN 352-4	Hearing protectors – Safety requirements – Part 4: Level-dependent earmuffs	13.340.20	2020-11
EN 352-5	Hearing protectors – Safety requirements – Part 5: Active noise reduction earmuffs	13.340.20	2020-11
EN 352-6	Hearing protectors – Safety requirements – Part 6: Earmuffs with safety-related audio input	13.340.20	2020-11
EN 352-7	Hearing protectors – Safety requirements – Part 7: Level-dependent earplugs	13.340.20	2020-11
EN 352-8	Hearing protectors – Safety requirements – Part 8: Entertainment audio earmuffs	13.340.20	2020-11
EN 352-9	Hearing protectors – Safety requirements – Part 9: Earplugs with safety-related audio input	13.340.20	2020-11
EN 352-10	Hearing protectors – Safety requirements – Part 10: Entertainment audio earplugs	13.340.20	2020-11
EN 840-1/AC	Mobile waste and recycling containers – Part 1: Containers with 2 wheels with a capacity up to 400 l for comb lifting devices – Dimensions and design	13.030.40	2020-11
EN 1004-1	Mobile access and working towers made of prefabricated elements – Part 1: Materials, dimensions, design loads, safety and performance requirements	91.220	2020-11
EN 1824	Road marking materials – Road trials	93.080.20	2020-11
EN 1974	Food processing machinery – Slicing machines – Safety and hygiene requirements	67.260	2020-11
EN 12225	Geosynthetics – Method for determining the microbiological resistance by a soil burial test	07.100.99; 59.080.70	2020-11
EN 12390-7/AC	Testing hardened concrete – Part 7: Density of hardened concrete	91.100.30	2020-11
EN 12504-1/AC	Testing concrete in structures – Part 1: Cored specimens – Taking, examining and testing in compression	91.100.30	2020-11
EN 12715	Execution of special geotechnical work – Grouting	93.020	2020-11
EN 13210-1	Child care articles – Part 1: Children's harnesses, reins – Safety requirements and test methods	97.190	2020-11
EN 13210-2	Child care articles – Part 2: Children's harnesses incorporating backpacks and reins – Safety requirements and test methods	97.190	2020-11
EN 13231-2	Railway applications – Track – Acceptance of works – Part 2: Acceptance of reprofiling rails in plain line, switches, crossings and expansion devices	93.100	2020-11
EN 13451-1	Swimming pool equipment – Part 1: General safety requirements and test methods for equipment installed in pools for public use	97.220.10	2020-11
EN 13656	Soil, treated biowaste, sludge and waste – Digestion with a hydrochloric (HCl), nitric (HNO <sub>3</sub> ) and tetrafluoroboric (HBF <sub>4</sub> ) or hydrofluoric (HF) acid mixture for subsequent determination of elements	13.030.40	2020-11
EN 13819-1	Hearing protectors – Testing – Part 1: Physical test methods	13.340.20	2020-11
EN 13819-2	Hearing protectors – Testing – Part 2: Acoustic test methods	13.340.20	2020-11

Oznaka norme	Naslov norme	ICS	Datum objave
EN 13848-2	Railway applications – Track – Track geometry quality – Part 2: Measuring systems – Track recording vehicles	93.100	2020-11
EN 13848-6+A1	Railway applications – Track – Track geometry quality – Part 6: Characterisation of track geometry quality	93.100	2020-11
EN 14112	Fat and oil derivatives – Fatty Acid Methyl Esters (FAME) – Determination of oxidation stability (accelerated oxidation test)	67.200.10	2020-11
CEN/TR 14473	Transportable gas cylinders – Porous materials for acetylene cylinders	23.020.35	2020-11
EN 15512	Steel static storage systems – Adjustable pallet racking systems – Principles for structural design	53.080	2020-11
EN 15571	Machines and plants for mining and tooling of natural stone – Safety – Requirements for surface-finishing machines	25.080.50; 73.120	2020-11
EN 15655-2	Ductile iron pipes, fittings and accessories – Requirements and test methods for organic linings of ductile iron pipes and fittings – Part 2: Thermoplastic Acid Modified Polyolefin (TMPO) lining of pipes	23.040.10; 23.040.40	2020-11
EN 15684	Building hardware – Mechatronic cylinders – Requirements and test methods	91.190	2020-11
EN 16205	Laboratory measurement of walking noise on floors	91.120.20	2020-11
EN 16524	Mechanical products – Methodology for reduction of environmental impacts in product design and development	13.020.10	2020-11
EN 16564	Machines and plants for mining and tooling of natural stone – Safety – Requirements for bridge type sawing/milling machines, included numerical control (NC/CNC) versions	25.080.20; 25.080.60; 73.120	2020-11
EN 16977	Thermal insulation products for buildings – Factory made calcium silicate (CS) products – Specification	91.100.60	2020-11
EN 17127	Outdoor hydrogen refuelling points dispensing gaseous hydrogen and incorporating filling protocols	27.075; 71.100.20; 75.200	2020-11
CEN/TS 17135	Conservation of cultural heritage – General terms for describing the alterations of objects	97.195	2020-11
EN 17230	Information technology – RFID in rail	35.040.50; 35.240.60	2020-11
EN 17397-1	Railway applications – Rail defects – Part 1: Rail defect management	93.100	2020-11
EN 17411	Fertilizers – Determination of perchlorate in mineral fertilizers by liquid chromatography and tandem mass spectrometry detection (LC-MS/MS)	65.080	2020-11
EN 17412-1	Building Information Modelling – Level of Information Need – Part 1: Concepts and principles	35.240.67	2020-11
EN 17417	Determination of the ultimate biodegradation of plastics materials in an aqueous system under anoxic (denitrifying) conditions – Method by measurement of pressure increase	13.030.99; 83.080.01	2020-11
EN 17419-1	Digital Information Interchange in the Insurance Industry – Transfer of electronic documents – Part 1: Process and Data Model	03.060; 35.240.20	2020-11
EN 17423	Energy performance of buildings – Determination and reporting of Primary Energy Factors (PEF) and CO2 emission coefficient – General Principles, Module M1-7	13.040.01; 91.120.10	2020-11
EN 17424	Foodstuffs – Determination of aflatoxins in spices other than paprika by IAC clean-up and HPLC-FLD with post-column derivatization	67.050	2020-11

Oznaka norme	Naslov norme	ICS	Datum objave
CEN/TR 17535	Requirements to connect, access, participate and further develop open global networks and systems, for postal operators and the wider postal sector players	03.240; 35.240.69	2020-11
CEN/TR 17536	Requirements for electronic advanced data (EAD) in postal operations, in particular compliant to security and customs requirements	03.240; 35.240.69	2020-11
CEN/TR 17548	Automotive fuels – Diesel fuel market issues – Abrasive particles investigation report	75.160.20	2020-11
CWA 17552	Engineering materials – Electronic data interchange – Instrumented indentation test data	35.240.50; 77.040.10	2020-11
CEN/TR 17554	Ambient air – Application of EN 16909 for the determination of elemental carbon (EC) and organic carbon (OC) in PM10 and PMcoarse	13.040.20	2020-11
EN ISO 1942	Dentistry – Vocabulary (ISO 1942:2020)	01.040.11; 11.060.01	2020-11
EN ISO 8666	Small craft – Principal data (ISO 8666:2020)	47.080	2020-11
EN ISO 9454-2	Soft soldering fluxes – Classification and requirements – Part 2: Performance requirements (ISO 9454-2:2020)	25.160.50	2020-11
EN ISO 9455-9	Soft soldering fluxes – Test methods – Part 9: Determination of ammonia content (ISO 9455-9:2020)	25.160.50	2020-11
EN ISO 10477	Dentistry – Polymer-based crown and veneering materials (ISO 10477:2020)	11.060.10	2020-11
EN ISO 10874/A1	Resilient, textile and laminate floor coverings – Classification – Amendment 1: Elimination of class 22+ (ISO 10874:2009/Amd 1:2020)	97.150	2020-11
EN ISO 11553-1/A11	Safety of machinery – Laser processing machines – Part 1: Laser safety requirements (ISO 11553-1:2020)	13.110; 31.260	2020-11
EN ISO 11690-1	Acoustics – Recommended practice for the design of low-noise workplaces containing machinery – Part 1: Noise control strategies (ISO 11690-1:2020)	13.140	2020-11
EN ISO 11690-2	Acoustics – Recommended practice for the design of low-noise workplaces containing machinery – Part 2: Noise control measures (ISO 11690-2:2020)	13.140	2020-11
EN ISO 11691	Acoustics – Measurement of insertion loss of ducted silencers without flow – Laboratory survey method (ISO 11691:2020)	91.120.20	2020-11
EN ISO 12004-1	Metallic materials – Determination of forming-limit curves for sheet and strip – Part 1: Measurement and application of forming-limit diagrams in the press shop (ISO 12004-1:2020)	77.040.10	2020-11
EN ISO 12215-7	Small craft – Hull construction and scantlings – Part 7: Determination of loads for multihulls and of their local scantlings using ISO 12215-5 (ISO 12215-7:2020)	47.080	2020-11
EN ISO 12215-10	Small craft – Hull construction and scantlings – Part 10: Rig loads and rig attachment in sailing craft (ISO 12215-10:2020)	47.080	2020-11
EN ISO 12945-1	Textiles – Determination of fabric propensity to surface pilling, fuzzing or matting – Part 1: Pilling box method (ISO 12945-1:2020)	59.080.01	2020-11
EN ISO 12945-2	Textiles – Determination of fabric propensity to surface pilling, fuzzing or matting – Part 2: Modified Martindale method (ISO 12945-2:2020)	59.080.01	2020-11
EN ISO 12945-3	Textiles – Determination of fabric propensity to surface pilling, fuzzing or matting – Part 3: Random tumble pilling method (ISO 12945-3:2020)	59.080.01	2020-11
EN ISO 12945-4	Textiles – Determination of fabric propensity to surface pilling, fuzzing or matting – Part 4: Assessment of pilling, fuzzing or matting by visual analysis (ISO 12945-4:2020)	59.080.01	2020-11

Oznaka norme	Naslov norme	ICS	Datum objave
EN ISO 12958-1	Geotextiles and geotextile-related products – Determination of water flow capacity in their plane – Part 1: Index test (ISO 12958-1:2020)	59.080.70	2020-11
EN ISO 12958-2	Geotextiles and geotextile-related products – Determination of water flow capacity in their plane – Part 2: Performance test (ISO 12958-2:2020)	59.080.70	2020-11
EN ISO 12967-1	Health informatics – Service architecture (HISA) – Part 1: Enterprise viewpoint (ISO 12967-1:2020)	35.240.80	2020-11
EN ISO 12967-2	Health informatics – Service Architecture (HISA) – Part 2: Information viewpoint (ISO 12967-2:2020)	35.240.80	2020-11
EN ISO 12967-3	Health informatics – Service Architecture (HISA) – Part 3: Computational viewpoint (ISO 12967-3:2020)	35.240.80	2020-11
EN ISO 12999-1	Acoustics – Determination and application of measurement uncertainties in building acoustics – Part 1: Sound insulation (ISO 12999-1:2020)	17.140.01; 91.120.20	2020-11
EN ISO 13143-1	Electronic fee collection – Evaluation of on-board and roadside equipment for conformity to ISO 12813 – Part 1: Test suite structure and test purposes (ISO 13143-1:2020)	03.220.20; 35.240.60	2020-11
EN ISO 15004-1	Ophthalmic instruments – Fundamental requirements and test methods – Part 1: General requirements applicable to all ophthalmic instruments (ISO 15004-1:2020)	11.040.70	2020-11
EN ISO 15156-1	Petroleum and natural gas industries – Materials for use in H <sub>2</sub> S-containing environments in oil and gas production – Part 1: General principles for selection of cracking-resistant materials (ISO 15156-1:2020)	75.180.01	2020-11
EN ISO 15156-2	Petroleum and natural gas industries – Materials for use in H <sub>2</sub> S-containing environments in oil and gas production – Part 2: Cracking-resistant carbon and low-alloy steels, and the use of cast irons (ISO 15156-2:2020)	75.180.01	2020-11
EN ISO 15156-3	Petroleum and natural gas industries – Materials for use in H <sub>2</sub> S-containing environments in oil and gas production – Part 3: Cracking-resistant CRAs (corrosion-resistant alloys) and other alloys (ISO 15156-3:2020)	75.180.01	2020-11
EN ISO 15494/A1	Plastics piping systems for industrial applications – Polybutene (PB), polyethylene (PE), polyethylene of raised temperature resistance (PE-RT), crosslinked polyethylene (PE-X), polypropylene (PP) – Metric series for specifications for components and the system – Amendment 1 (ISO 15494:2015/Amd 1:2020)	23.040.01	2020-11
EN ISO 19902	Petroleum and natural gas industries – Fixed steel offshore structures (ISO 19902:2020)	75.180.10	2020-11
EN ISO 20349-1/A1	Personal protective equipment – Footwear protecting against risks in foundries and welding – Part 1: Requirements and test methods for protection against risks in foundries – Amendment 1 (ISO 20349-1:2017/Amd 1:2020)	13.340.50	2020-11
EN ISO 20349-2/A1	Personal protective equipment – Footwear protecting against risks in foundries and welding – Part 2: Requirements and test methods for protection against risks in welding and allied processes – Amendment 1 (ISO 20349-2:2017/Amd 1:2020)	13.340.50	2020-11
EN ISO 20888	Dentistry – Vocabulary and designation system for forensic oro-dental data (ISO 20888:2020)	11.060.01	2020-11
EN ISO 21597-2	Information container for linked document delivery – Exchange specification – Part 2: Link types (ISO 21597-2:2020)	35.240.67; 91.010.01	2020-11



Oznaka norme	Naslov norme	ICS	Datum objave
EN ISO 22065	Workplace air – Gases and vapours – Requirements for evaluation of measuring procedures using pumped samplers (ISO 22065:2020)	13.040.30	2020-11
EN ISO 23306	Specification of liquefied natural gas as a fuel for marine applications (ISO 23306:2020)	75.160.30	2020-11
EN ISO 23753-1/A1	Soil quality – Determination of dehydrogenases activity in soils – Part 1: Method using triphenyltetrazolium chloride (TTC) – Amendment 1 (ISO 23753-1:2019/Amd 1:2020)	13.080.30	2020-11
EN ISO 23753-2/A1	Soil quality – Determination of dehydrogenases activity in soils – Part 2: Method using iodotetrazolium chloride (INT) – Amendment 1 (ISO 23753-2:2019/Amd 1:2020)	13.080.30	2020-11
CEN ISO/TS 23818-1	Assessment of conformity of plastics piping systems for the rehabilitation of existing pipelines – Part 1: Polyethylene (PE) material (ISO/TS 23818-1:2020)	23.040.20	2020-11
EN ISO 24263	Footwear – Attachment strength of straps, trims and accessories (ISO 24263:2020)	61.060	2020-11
EN ISO 24266	Footwear – Test methods for whole shoe – Flexing durability (ISO 24266:2020)	61.060	2020-11
EN ISO 24267	Footwear – Determination of coefficient of friction for footwear and sole components – Test method (ISO 24267:2020)	61.060	2020-11
EN ISO/ASTM 52941	Additive manufacturing – System performance and reliability – Acceptance tests for laser metal powder-bed fusion machines for metallic materials for aerospace application (ISO/ASTM 52941:2020)	25.030	2020-11
CEN ISO/TS 80004-3	Nanotechnologies – Vocabulary – Part 3: Carbon nano-objects (ISO/TS 80004-3:2020)	01.040.07; 07.120	2020-11
EN ISO 80601-2-67	Medical electrical equipment – Part 2-67: Particular requirements for basic safety and essential performance of oxygen-conserving equipment (ISO 80601-2-67:2020)	11.040.10	2020-11
EN ISO 80601-2-69	Medical electrical equipment – Part 2-69: Particular requirements for the basic safety and essential performance of oxygen concentrator equipment (ISO 80601-2-69:2020)	11.040.10	2020-11
EN ISO 80601-2-70	Medical electrical equipment – Part 2-70: Particular requirements for the basic safety and essential performance of sleep apnoea breathing therapy equipment (ISO 80601-2-70:2020)	11.040.10	2020-11

## Europska normizacija (CENELEC)

Oznaka norme	Naslov norme	ICS	Datum objave
CLC/TS 50136-9	Alarm systems – Alarm transmission systems and equipment – Part 9: Requirements for common protocol for alarm transmission using the Internet Protocol (IP)	13.320; 33.040.40	2020-11
EN 50342-4	Lead-acid starter batteries – Part 4: Dimensions of batteries for heavy vehicles	29.220.20	2020-11
EN 50397-1	Covered conductors for overhead lines and the related accessories for rated voltages above 1 kV AC and not exceeding 36 kV AC – Part 1: Covered conductors	29.240.20	2020-11
EN 50699	Recurrent Test of Electrical Equipment	19.080; 29.020	2020-11
EN IEC 60268-16	Sound system equipment – Part 16: Objective rating of speech intelligibility by speech transmission index (IEC 60268-16:2020)	17.140.50; 33.160.01	2020-11
EN IEC 60268-22	Sound system equipment – Part 22: Electrical and mechanical measurements on transducers (IEC 60268-22:2020)	33.160.01	2020-11
EN 60436/A11	Electric dishwashers for household use – Methods for measuring the performance	97.040.40	2020-11
EN IEC 60603-7	Connectors for electronic equipment – Part 7: Detail specification for 8-way, unshielded, free and fixed connectors (IEC 60603-7:2020)	31.220.10	2020-11
EN IEC 60645-3	Electroacoustics – Audiometric equipment – Part 3: Test signals of short duration (IEC 60645-3:2020)	13.140; 17.140.50	2020-11
EN IEC 60747-17	Semiconductor devices – Part 17: Magnetic and capacitive coupler for basic and reinforced insulation (IEC 60747-17:2020)	31.080.01; 31.080.99	2020-11
EN IEC 60794-6	Optical fibre cables – Part 6: Indoor-outdoor cables – Sectional specification for indoor-outdoor cables (IEC 60794-6:2020)	33.180.10	2020-11
EN IEC 60794-6-10	Optical fibre cables – Part 6-10: Indoor-outdoor cables – Family specification for universal indoor-outdoor cables (IEC 60794-6-10:2020)	33.180.10	2020-11
EN IEC 60794-6-20	Optical fibre cables – Part 6-20: Indoor-outdoor cables – Family specification for flame retardant outdoor cables (IEC 60794-6-20:2020)	33.180.10	2020-11
EN IEC 60794-6-30	Optical fibre cables – Part 6-30: Indoor-outdoor cables – Family specification for weatherised indoor cables (IEC 60794-6-30:2020)	33.180.10	2020-11
EN IEC 60904-1	Photovoltaic devices – Part 1: Measurement of photovoltaic current-voltage characteristics (IEC 60904-1:2020)	27.160	2020-11
EN IEC 60904-9	Photovoltaic devices – Part 9: Classification of solar simulator characteristics (IEC 60904-9:2020)	27.160	2020-11
EN IEC 60904-10	Photovoltaic devices – Part 10: Methods of linear dependence and linearity measurements (IEC 60904-10:2020)	27.160	2020-11
EN IEC 61400-3-1/A11	Wind energy generation systems – Part 3-1: Design requirements for fixed offshore wind turbines	27.180	2020-11
EN IEC 61400-21-1/A11	Wind energy generation systems – Part 21-1: Measurement and assessment of electrical characteristics – Wind turbines	17.220.20; 27.180	2020-11
EN IEC 61837-2/A1	Surface mounted piezoelectric devices for frequency control and selection – Standard outlines and terminal lead connections – Part 2: Ceramic enclosures (IEC 61837-2:2018/A1:2020)	01.100.25; 31.140; 31.240	2020-11

Oznaka norme	Naslov norme	ICS	Datum objave
EN IEC 62433-6	EMC IC modelling – Part 6: Models of integrated circuits for Pulse immunity behavioural simulation – Conducted Pulse Immunity (ICIM-CPI) (IEC 62433-6:2020)	31.200; 33.100.20	2020-11
EN IEC 62566-2	Nuclear power plants – Instrumentation and control systems important to safety – Development of HDL-programmed integrated circuits – Part 2: HDL-programmed integrated circuits for systems performing category B or C functions (IEC 62566-2:2020)	27.120.20	2020-11
EN IEC 62769-100	Field device integration (FDI) – Part 100: Profiles – Generic protocols (IEC 62769-100:2020)	25.040.40; 35.100.05; 35.240.50	2020-11
EN IEC 62769-115-2	Field device integration (FDI) – Part 115-2: Profiles – Modbus-RTU (IEC 62769-115-2:2020)	25.040.40; 35.100.05	2020-11
EN 62788-1-4/A1	Measurement procedures for materials used in photovoltaic modules – Part 1-4: Encapsulants – Measurement of optical transmittance and calculation of the solar-weighted photon transmittance, yellowness index, and UV cut-off wavelength (IEC 62788-1-4:2016/A1:2020)	27.160	2020-11
EN IEC 63182-2	Magnetic powder cores – Guidelines on dimensions and the limits of surface irregularities – Part 2: Ring-cores (IEC 63182-2:2020)	29.100.10	2020-11
EN ISO/IEC 27006	Information technology – Security techniques – Requirements for bodies providing audit and certification of information security management systems (ISO/IEC 27006:2015, including Amd 1:2020)	03.120.20; 35.030	2020-11
HD 60364-7-706/A1	Low-voltage electrical installations – Part 7-706: Requirements for special installations or locations – Conducting locations with restricted movement (IEC 60364-7-706:2005/A1:2019)	29.020; 91.140.50	2020-11

## Europska normizacija (ETSI)

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI SR 000314 V 2.28.1	Intellectual Property Rights (IPRs) – Essential, or potentially Essential, IPRs notified to ETSI in respect of ETSI standards	01.120; 03.140; 33.020	2020-11
ETSI TS 101968 V 1.4.1	Digital Radio Mondiale (DRM) – Data applications directory	33.170	2020-11
ETSI TS 102221 V 16.3.0	Smart Cards – UICC-Terminal interface – Physical and logical characteristics (Release 16)	35.240.15	2020-11
ETSI TS 102232-1 V 3.22.1	Lawful Interception (LI) – Handover Interface and Service-Specific Details (SSD) for IP delivery – Part 1: Handover specification for IP delivery	33.040.35	2020-11
ETSI TS 102232-3 V 3.9.1	Lawful Interception (LI) – Handover Interface and Service-Specific Details (SSD) for IP delivery – Part 3: Service-specific details for internet access services	33.040.35	2020-11
ETSI TR 102503 V 1.14.1	Lawful Interception (LI) – ASN.1 Object Identifiers in Lawful Interception and Retained data handling Specifications	33.040.35	2020-11
ETSI TS 103300-3 V 2.1.1	Intelligent Transport Systems (ITS) – Vulnerable Road Users (VRU) awareness – Part 3: Specification of VRU awareness basic service – Release 2	35.240.60	2020-11
ETSI TR 103437 V 1.1.1	USER – Quality of ICT services – New QoS approach in a digital ecosystem	33.040.01	2020-11
ETSI TS 103569 V 1.1.1	ElectroMagnetic Compatibility (EMC) standard for radio equipment and services – Study into extending the upper limit of the range of radiated emissions requirements up to 40 GHz	33.060.01	2020-11
ETSI TR 103685 V 1.1.1	Lawful Interception (LI) – LI network function security	33.040.35	2020-11
ETSI TR 103702 V 1.1.1	Speech and multimedia Transmission Quality (STQ) – QoS parameters and test scenarios for assessing network capabilities in 5G performance measurements	33.040.01	2020-11
ETSI TR 103715 V 1.1.1	SmartM2M – Study for oneM2M – Discovery and Query solutions analysis & selection	33.200	2020-11
ETSI TS 103723 V 1.2.1	Intelligent Transport Systems (ITS) – Profile for LTE-V2X Direct Communication	35.240.60	2020-11
ETSI TR 103767 V 1.1.1	Lawful Interception (LI) – Considerations about interfacing with providers of vehicle information	33.040.35	2020-11
ETSI TS 103769 V 1.1.1	Digital Video Broadcasting (DVB) – Adaptive media streaming over IP multicast	33.170	2020-11
ETSI TS 103770 V 1.1.1	Digital Video Broadcasting (DVB) – Service Discovery and Programme Metadata for DVB-I	33.170	2020-11
ETSI TS 103771 V 1.1.1	Digital Radio Mondiale (DRM) – Regional profiles	33.170	2020-11
ETSI TS 103801 V 1.1.1	Speech and multimedia Transmission Quality (STQ) – Subjective test methodologies for the evaluation of echo control systems	33.040.01	2020-11
ETSI TS 118119 V 1.0.0	oneM2M Abstract Test Suite and Implementation eXtra Information for Test (oneM2M TS-0019 version 1.0.0)	33.200	2020-11
ETSI TS 118119 V 2.3.0	oneM2M Abstract Test Suite and Implementation eXtra Information for Test (oneM2M TS-0019 version 2.3.0 Release 2)	33.200	2020-11
ETSI TS 119403-2 V 1.2.4	Electronic Signatures and Infrastructures (ESI) – Trust Service Provider Conformity Assessment – Part 2: Additional requirements for Conformity Assessment Bodies auditing Trust Service Providers that issue Publicly-Trusted Certificates	33.040.01	2020-11



Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TR 121900 V 16.3.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Technical Specification Group working methods (3GPP TR 21.900 version 16.3.0 Release 16)	33.070.50	2020-11
ETSI TR 121905 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Vocabulary for 3GPP Specifications (3GPP TR 21.905 version 16.0.0 Release 16)	33.070.50	2020-11
ETSI TS 122011 V 16.5.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Service accessibility (3GPP TS 22.011 version 16.5.0 Release 16)	33.070.50	2020-11
ETSI TS 122101 V 16.3.0	Universal Mobile Telecommunications System (UMTS) – LTE – Service aspects – Service principles (3GPP TS 22.101 version 16.3.0 Release 16)	33.070.50	2020-11
ETSI TS 122115 V 16.3.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Service aspects – Charging and billing (3GPP TS 22.115 version 16.3.0 Release 16)	33.070.50	2020-11
ETSI TS 122119 V 16.2.0	LTE – 5G – Maritime communication services over 3GPP system (3GPP TS 22.119 version 16.2.0 Release 16)	33.070.50	2020-11
ETSI TS 122125 V 16.3.0	5G – Unmanned Aerial System (UAS) support in 3GPP (3GPP TS 22.125 version 16.3.0 Release 16)	33.070.50	2020-11
ETSI TS 122153 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Multimedia priority service (3GPP TS 22.153 version 16.0.0 Release 16)	33.070.50	2020-11
ETSI TS 122173 V 16.3.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – IP Multimedia Core Network Subsystem (IMS) Multimedia Telephony Service and supplementary services – Stage 1 (3GPP TS 22.173 version 16.3.0 Release 16)	33.070.50	2020-11
ETSI TS 122179 V 16.5.0	LTE – 5G – Mission Critical Push to Talk (MCPTT) – Stage 1 (3GPP TS 22.179 version 16.5.0 Release 16)	33.070.50	2020-11
ETSI TS 122186 V 16.2.0	5G – Service requirements for enhanced V2X scenarios (3GPP TS 22.186 version 16.2.0 Release 16)	33.070.50	2020-11
ETSI TS 122228 V 16.1.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Service requirements for the Internet Protocol (IP) multimedia core network subsystem (IMS) – Stage 1 (3GPP TS 22.228 version 16.1.0 Release 16)	33.070.50	2020-11
ETSI TS 122261 V 16.13.0	5G – Service requirements for the 5G system (3GPP TS 22.261 version 16.13.0 Release 16)	33.070.50	2020-11
ETSI TS 122262 V 16.0.0	5G – Message service within the 5G System (5GS) – Stage 1 (3GPP TS 22.262 version 16.0.0 Release 16)	33.070.50	2020-11
ETSI TS 122268 V 16.4.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Public Warning System (PWS) requirements (3GPP TS 22.268 version 16.4.0 Release 16)	33.070.50	2020-11
ETSI TS 122278 V 16.2.0	LTE – Service requirements for the Evolved Packet System (EPS) (3GPP TS 22.278 version 16.2.0 Release 16)	33.070.50	2020-11
ETSI TS 122281 V 16.0.0	LTE – 5G – Mission Critical (MC) video (3GPP TS 22.281 version 16.0.0 Release 16)	33.070.50	2020-11

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ETSI TS 122282 V 16.4.0	LTE – 5G – Mission Critical (MC) data (3GPP TS 22.282 version 16.4.0 Release 16)	33.070.50	2020-11
ETSI TS 122289 V 16.1.0	LTE – 5G – Mobile communication system for railways (3GPP TS 22.289 version 16.1.0 Release 16)	33.070.50; RW400	2020-11
ETSI TS 122468 V 16.0.0	LTE – 5G – Group Communication System Enablers (GCSE) (3GPP TS 22.468 version 16.0.0 Release 16)	33.070.50	2020-11
ETSI TR 122904 V 16.1.0	5G – Study on user-centric identifiers and authentication (3GPP TR 22.904 version 16.1.0 Release 16)	33.070.50	2020-11
ETSI TR 122953 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Multimedia priority service feasibility study (3GPP TR 22.953 version 16.0.0 Release 16)	33.070.50	2020-11
ETSI TS 123007 V 16.1.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Restoration procedures (3GPP TS 23.007 version 16.1.0 Release 16)	33.070.50	2020-11
ETSI TS 123008 V 16.3.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Organization of subscriber data (3GPP TS 23.008 version 16.3.0 Release 16)	33.070.50	2020-11
ETSI TS 123015 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Technical realization of Operator Determined Barring (ODB) (3GPP TS 23.015 version 16.0.0 Release 16)	33.070.50	2020-11
ETSI TS 123060 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – General Packet Radio Service (GPRS) – Service description – Stage 2 (3GPP TS 23.060 version 16.0.0 Release 16)	33.070.50	2020-11
ETSI TS 123203 V 16.2.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Policy and charging control architecture (3GPP TS 23.203 version 16.2.0 Release 16)	33.070.50	2020-11
ETSI TS 123204 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Support of Short Message Service (SMS) over generic 3GPP Internet Protocol (IP) access – Stage 2 (3GPP TS 23.204 version 16.0.0 Release 16)	33.070.50	2020-11
ETSI TS 123216 V 16.4.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Single Radio Voice Call Continuity (SRVCC) – Stage 2 (3GPP TS 23.216 version 16.4.0 Release 16)	33.070.50	2020-11
ETSI TS 123221 V 16.2.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Architectural requirements (3GPP TS 23.221 version 16.2.0 Release 16)	33.070.50	2020-11
ETSI TS 123246 V 16.1.0	Universal Mobile Telecommunications System (UMTS) – LTE – Multimedia Broadcast/Multicast Service (MBMS) – Architecture and functional description (3GPP TS 23.246 version 16.1.0 Release 16)	33.070.50	2020-11
ETSI TS 123280 V 16.5.0	LTE – Common functional architecture to support mission critical services – Stage 2 (3GPP TS 23.280 version 16.5.0 Release 16)	33.070.99	2020-11
ETSI TS 123281 V 16.3.0	LTE – Functional architecture and information flows to support Mission Critical Video (MCVideo) – Stage 2 (3GPP TS 23.281 version 16.3.0 Release 16)	33.070.99	2020-11

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 123333 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Multimedia Resource Function Controller (MRFC) – Multimedia Resource Function Processor (MRFP) Mp interface: Procedures descriptions (3GPP TS 23.333 version 16.0.0 Release 16)	33.070.50	2020-11
ETSI TS 123334 V 16.1.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – IP Multimedia Subsystem (IMS) Application Level Gateway (IMS-ALG) – IMS Access Gateway (IMS-AGW) interface: Procedures descriptions (3GPP TS 23.334 version 16.1.0 Release 16)	33.070.50	2020-11
ETSI TS 123380 V 16.2.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – IMS Restoration Procedures (3GPP TS 23.380 version 16.2.0 Release 16)	33.070.50	2020-11
ETSI TS 123402 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Architecture enhancements for non-3GPP accesses (3GPP TS 23.402 version 16.0.0 Release 16)	33.070.50	2020-11
ETSI TS 123479 V 16.0.0	LTE – UE MBMS APIs for Mission Critical Services (3GPP TS 23.479 version 16.0.0 Release 16)	33.070.99	2020-11
ETSI TR 123973 V 16.1.0	LTE – 5G – User data interworking, coexistence and migration (3GPP TR 23.973 version 16.1.0 Release 16)	33.070.50	2020-11
ETSI TS 124002 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – GSM – UMTS Public Land Mobile Network (PLMN) Access Reference Configuration (3GPP TS 24.002 version 16.0.0 Release 16)	33.070.50	2020-11
ETSI TS 124147 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Conferencing using the IP Multimedia (IM) Core Network (CN) subsystem – Stage 3 (3GPP TS 24.147 version 16.0.0 Release 16)	33.070.50	2020-11
ETSI TS 124166 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 3GPP IP Multimedia Subsystem (IMS) conferencing Management Object (MO) (3GPP TS 24.166 version 16.0.0 Release 16)	33.070.50	2020-11
ETSI TS 124167 V 16.2.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – 3GPP IMS Management Object (MO) – Stage 3 (3GPP TS 24.167 version 16.2.0 Release 16)	33.070.50	2020-11
ETSI TS 124173 V 16.2.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – IMS Multimedia telephony communication service and supplementary services – Stage 3 (3GPP TS 24.173 version 16.2.0 Release 16)	33.070.50	2020-11
ETSI TS 124175 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Management Object (MO) for multi-device and multi-identity in the IP Multimedia Subsystem (IMS) (3GPP TS 24.175 version 16.0.0 Release 16)	33.070.99	2020-11
ETSI TS 124196 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Enhanced Calling Name (eCNAM) (3GPP TS 24.196 version 16.0.0 Release 16)	33.070.99	2020-11
ETSI TS 124229 V 14.14.1	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 14.14.1 Release 14)	33.070.50	2020-11

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 124239 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Flexible Alerting (FA) using IP Multimedia (IM) Core Network (CN) subsystem – Protocol specification (3GPP TS 24.239 version 16.0.0 Release 16)	33.070.50	2020-11
ETSI TS 124275 V 16.0.0	LTE – Management Object (MO) for Basic Communication Part (BCP) of IMS Multimedia Telephony (MMTEL) communication service (3GPP TS 24.275 version 16.0.0 Release 16)	33.070.50	2020-11
ETSI TS 124305 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Selective Disabling of 3GPP User Equipment Capabilities (SDoUE) Management Object (MO) (3GPP TS 24.305 version 16.0.0 Release 16)	33.070.50	2020-11
ETSI TS 124333 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Proximity-services (ProSe) Management Objects (MO) (3GPP TS 24.333 version 16.0.0 Release 16)	33.070.50	2020-11
ETSI TS 124341 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Support of SMS over IP networks – Stage 3 (3GPP TS 24.341 version 16.0.0 Release 16)	33.070.50	2020-11
ETSI TS 124391 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Unstructured Supplementary Service Data (USSD) using IP Multimedia (IM) Core Network (CN) subsystem (IMS) Management Object (MO) (3GPP TS 24.391 version 16.0.0 Release 16)	33.070.50	2020-11
ETSI TS 124417 V 16.0.0	LTE – Management Object (MO) for Originating Identification Presentation (OIP) and Originating Identification Restriction (OIR) using IP Multimedia (IM) Core Network (CN) subsystem (3GPP TS 24.417 version 16.0.0 Release 16)	33.070.50	2020-11
ETSI TS 124424 V 16.1.0	LTE – 5G – Management Object (MO) for Extensible Markup Language (XML) Configuration Access Protocol (XCAP) over the Ut interface for Manipulating Supplementary Services (SS) (3GPP TS 24.424 version 16.1.0 Release 16)	33.070.50	2020-11
ETSI TS 124484 V 13.10.1	LTE – Mission Critical Services (MCS) configuration management – Protocol specification (3GPP TS 24.484 version 13.10.1 Release 13)	33.070.99	2020-11
ETSI TS 124535 V 16.2.0	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 16.2.0 Release 16)	33.070.99	2020-11
ETSI TS 124548 V 16.1.0	5G – Network Resource Management – Service Enabler Architecture Layer for Verticals (SEAL) – Protocol specification (3GPP TS 24.548 version 16.1.0 Release 16)	33.070.99	2020-11
ETSI TS 124571 V 16.2.0	5G – 5G System (5GS) – Control plane Location Services (LCS) procedures – Stage 3 (3GPP TS 24.571 version 16.2.0 Release 16)	33.070.50; 33.070.99	2020-11
ETSI TS 124604 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Communication Diversion (CDIV) using IP Multimedia (IM) Core Network (CN) subsystem – Protocol specification (3GPP TS 24.604 version 16.0.0 Release 16)	33.070.50	2020-11



Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 124605 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Conference (CONF) using IP Multimedia (IM) Core Network (CN) subsystem – Protocol specification (3GPP TS 24.605 version 16.0.0 Release 16)	33.070.50	2020-11
ETSI TS 124606 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Message Waiting Indication (MWI) using IP Multimedia (IM) Core Network (CN) subsystem – Protocol specification (3GPP TS 24.606 version 16.0.0 Release 16)	33.070.50	2020-11
ETSI TS 124607 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Originating Identification Presentation (OIP) and Originating Identification Restriction (OIR) using IP Multimedia (IM) Core Network (CN) subsystem – Protocol specification (3GPP TS 24.607 version 16.0.0 Release 16)	33.070.50	2020-11
ETSI TS 124608 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Terminating Identification Presentation (TIP) and Terminating Identification Restriction (TIR) using IP Multimedia (IM) Core Network (CN) subsystem – Protocol specification (3GPP TS 24.608 version 16.0.0 Release 16)	33.070.50	2020-11
ETSI TS 124610 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Communication HOLD (HOLD) using IP Multimedia (IM) Core Network (CN) subsystem – Protocol specification (3GPP TS 24.610 version 16.0.0 Release 16)	33.070.50	2020-11
ETSI TS 124611 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Anonymous Communication Rejection (ACR) and Communication Barring (CB) using IP Multimedia (IM) Core Network (CN) subsystem – Protocol specification (3GPP TS 24.611 version 16.0.0 Release 16)	33.070.50	2020-11
ETSI TS 124615 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Communication Waiting (CW) using IP Multimedia (IM) Core Network (CN) subsystem – Protocol Specification (3GPP TS 24.615 version 16.0.0 Release 16)	33.070.50	2020-11
ETSI TS 124616 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Malicious Communication Identification (MCID) using IP Multimedia (IM) Core Network (CN) subsystem – Protocol specification (3GPP TS 24.616 version 16.0.0 Release 16)	33.070.50	2020-11
ETSI TS 124623 V 16.1.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Extensible Markup Language (XML) Configuration Access Protocol (XCAP) over the Ut interface for Manipulating Supplementary Services (3GPP TS 24.623 version 16.1.0 Release 16)	33.070.50	2020-11
ETSI TS 124629 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Explicit Communication Transfer (ECT) using IP Multimedia (IM) Core Network (CN) subsystem – Protocol specification (3GPP TS 24.629 version 16.0.0 Release 16)	33.070.50	2020-11

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 124642 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Completion of Communications to Busy Subscriber (CCBS) and Completion of Communications by No Reply (CCNR) using IP Multimedia (IM) Core Network (CN) subsystem – Protocol specification (3GPP TS 24.642 version 16.0.0 Release 16)	33.070.50	2020-11
ETSI TS 124647 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Advice Of Charge (AOC) using IP Multimedia (IM) Core Network (CN) subsystem (3GPP TS 24.647 version 16.0.0 Release 16)	33.070.50	2020-11
ETSI TS 124654 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Closed User Group (CUG) using IP Multimedia (IM) Core Network (CN) subsystem, Protocol Specification (3GPP TS 24.654 version 16.0.0 Release 16)	33.070.50	2020-11
ETSI TS 125101 V 16.1.0	Universal Mobile Telecommunications System (UMTS) – User Equipment (UE) radio transmission and reception (FDD) (3GPP TS 25.101 version 16.1.0 Release 16)	33.070.50	2020-11
ETSI TS 125104 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – Base Station (BS) radio transmission and reception (FDD) (3GPP TS 25.104 version 16.0.0 Release 16)	33.070.50	2020-11
ETSI TS 125123 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – Requirements for support of radio resource management (TDD) (3GPP TS 25.123 version 16.0.0 Release 16)	33.070.50	2020-11
ETSI TS 125133 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – Requirements for support of radio resource management (FDD) (3GPP TS 25.133 version 16.0.0 Release 16)	33.070.50	2020-11
ETSI TS 125141 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – Base Station (BS) conformance testing (FDD) (3GPP TS 25.141 version 16.0.0 Release 16)	33.070.50	2020-11
ETSI TS 125306 V 16.1.0	Universal Mobile Telecommunications System (UMTS) – UE Radio Access capabilities (3GPP TS 25.306 version 16.1.0 Release 16)	33.070.50	2020-11
ETSI TS 125331 V 16.1.0	Universal Mobile Telecommunications System (UMTS) – Radio Resource Control (RRC) – Protocol specification (3GPP TS 25.331 version 16.1.0 Release 16)	33.070.50	2020-11
ETSI TS 125413 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling (3GPP TS 25.413 version 16.0.0 Release 16)	33.070.50	2020-11
ETSI TS 126103 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Speech codec list for GSM and UMTS (3GPP TS 26.103 version 16.0.0 Release 16)	33.070.50	2020-11
ETSI TS 126104 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – ANSI-C code for the floating-point Adaptive Multi-Rate (AMR) speech codec (3GPP TS 26.104 version 16.0.0 Release 16)	33.070.50	2020-11
ETSI TS 126117 V 16.0.0	5G – 5G Media Streaming (5GMS) – Speech and audio profiles (3GPP TS 26.117 version 16.0.0 Release 16)	33.070.50	2020-11

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ETSI TS 126131 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Terminal acoustic characteristics for telephony – Requirements (3GPP TS 26.131 version 16.0.0 Release 16)	33.070.50	2020-11
ETSI TS 126132 V 16.2.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Speech and video telephony terminal acoustic test specification (3GPP TS 26.132 version 16.2.0 Release 16)	33.070.50	2020-11
ETSI TS 126139 V 16.0.0	LTE – 5G – Real-time Transport Protocol (RTP) / RTP Control Protocol (RTCP) verification procedures (3GPP TS 26.139 version 16.0.0 Release 16)	33.070.50	2020-11
ETSI TS 126179 V 16.0.0	LTE – Mission Critical Push To Talk (MCPTT) – Codecs and media handling (3GPP TS 26.179 version 16.0.0 Release 16)	33.070.50	2020-11
ETSI TS 126204 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Speech codec speech processing functions – Adaptive Multi-Rate – Wideband (AMR-WB) speech codec – ANSI-C code (3GPP TS 26.204 version 16.0.0 Release 16)	33.070.50	2020-11
ETSI TS 126238 V 16.6.2	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Uplink streaming (3GPP TS 26.238 version 16.6.2 Release 16)	33.070.50	2020-11
ETSI TS 126348 V 16.3.0	LTE – 5G – Northbound Application Programming Interface (API) for Multimedia Broadcast/Multicast Service (MBMS) at the xMB reference point (3GPP TS 26.348 version 16.3.0 Release 16)	33.070.50	2020-11
ETSI TS 126430 V 16.0.2	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Timed graphics (3GPP TS 26.430 version 16.0.2 Release 16)	33.070.50	2020-11
ETSI TS 126446 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Codec for Enhanced Voice Services (EVS) – Adaptive Multi-Rate – Wideband (AMR-WB) backward compatible functions (3GPP TS 26.446 version 16.0.0 Release 16)	33.070.50	2020-11
ETSI TS 126448 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Codec for Enhanced Voice Services (EVS) – Jitter Buffer Management (3GPP TS 26.448 version 16.0.0 Release 16)	33.070.50	2020-11
ETSI TS 126449 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Codec for Enhanced Voice Services (EVS) – Comfort Noise Generation (CNG) aspects (3GPP TS 26.449 version 16.0.0 Release 16)	33.070.50	2020-11
ETSI TS 126450 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Codec for Enhanced Voice Services (EVS) – Discontinuous Transmission (DTX) (3GPP TS 26.450 version 16.0.0 Release 16)	33.070.50	2020-11
ETSI TS 126452 V 16.2.1	5G – Universal Mobile Telecommunications System (UMTS) – LTE – Codec for Enhanced Voice Services (EVS) – ANSI C code – Alternative fixed-point using updated basic operators (3GPP TS 26.452 version 16.2.1 Release 16)	33.070.50	2020-11
ETSI TS 126453 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Codec for Enhanced Voice Services (EVS) – Speech codec frame structure (3GPP TS 26.453 version 16.0.0 Release 16)	33.070.50	2020-11
ETSI TS 126454 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Codec for Enhanced Voice Services (EVS) – Interface to Iu, Uu, Nb and Mb (3GPP TS 26.454 version 16.0.0 Release 16)	33.070.50	2020-11

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ETSI TS 126512 V 16.0.0	5G – 5G Media Streaming (5GMS) – Protocols (3GPP TS 26.512 version 16.0.0 Release 16)	33.070.50	2020-11
ETSI TR 126910 V 16.0.0	LTE – 5G – Study on media handling aspects of Radio Access Network (RAN) delay budget reporting in Multimedia Telephony Service for Internet Protocol (IP) Multimedia Subsystem (IMS) (MTSI) (3GPP TR 26.910 version 16.0.0 Release 16)	33.070.50	2020-11
ETSI TR 126918 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Virtual Reality (VR) media services over 3GPP (3GPP TR 26.918 version 16.0.0 Release 16)	33.070.50	2020-11
ETSI TR 126919 V 16.2.0	5G – Study on media handling aspects of conversational services in 5G systems (3GPP TR 26.919 version 16.2.0 Release 16)	33.070.50	2020-11
ETSI TR 126921 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Investigations on ambient noise reproduction systems for acoustic testing of terminals (3GPP TR 26.921 version 16.0.0 Release 16)	33.070.50	2020-11
ETSI TR 126925 V 16.0.0	5G – Typical traffic characteristics of media services on 3GPP networks (3GPP TR 26.925 version 16.0.0 Release 16)	33.070.50	2020-11
ETSI TR 126928 V 16.0.0	5G – Extended Reality (XR) in 5G (3GPP TR 26.928 version 16.0.0 Release 16)	33.070.50	2020-11
ETSI TR 126929 V 16.1.0	5G – QoE parameters and metrics relevant to the Virtual Reality (VR) user experience (3GPP TR 26.929 version 16.1.0 Release 16)	33.070.50	2020-11
ETSI TR 126939 V 16.1.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Guidelines on the Framework for Live Uplink Streaming (FLUS) (3GPP TR 26.939 version 16.1.0 Release 16)	33.070.50	2020-11
ETSI TR 126952 V 16.1.0	Universal Mobile Telecommunications System (UMTS) – LTE – Codec for Enhanced Voice Services (EVS) – Performance characterization (3GPP TR 26.952 version 16.1.0 Release 16)	33.070.50	2020-11
ETSI TR 126959 V 16.0.0	5G – Study on enhanced Voice over LTE (VoLTE) performance (3GPP TR 26.959 version 16.0.0 Release 16)	33.070.50	2020-11
ETSI TR 126985 V 16.0.0	5G – Vehicle-to-everything (V2X) – Media handling and interaction (3GPP TR 26.985 version 16.0.0 Release 16)	33.070.50	2020-11
ETSI TS 128311 V 16.0.0	5G – LTE – Management and orchestration – Network policy management for mobile networks based on Network Function Virtualization (NFV) scenarios (3GPP TS 28.311 version 16.0.0 Release 16)	33.070.50	2020-11
ETSI TS 128404 V 16.2.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Telecommunication management – Quality of Experience (QoE) measurement collection – Concepts, use cases and requirements (3GPP TS 28.404 version 16.2.0 Release 16)	33.070.50	2020-11
ETSI TS 128532 V 16.5.2	5G – Management and orchestration – Generic management services (3GPP TS 28.532 version 16.5.2 Release 16)	33.070.50	2020-11
ETSI TS 128533 V 16.5.1	5G – Management and orchestration – Architecture framework (3GPP TS 28.533 version 16.5.1 Release 16)	33.070.50	2020-11
ETSI TS 128535 V 16.1.0	5G – LTE – Management and orchestration – Management services for communication service assurance – Requirements (3GPP TS 28.535 version 16.1.0 Release 16)	33.070.50	2020-11



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ETSI TS 128536 V 16.1.0	LTE – 5G – Management and orchestration – Management services for communication service assurance – Stage 2 and stage 3 (3GPP TS 28.536 version 16.1.0 Release 16)	33.070.50	2020-11
ETSI TS 128537 V 16.0.0	5G – Management and orchestration – Management capabilities (3GPP TS 28.537 version 16.0.0 Release 16)	33.070.50	2020-11
ETSI TS 128540 V 16.2.0	5G – Management and orchestration – 5G Network Resource Model (NRM) – Stage 1 (3GPP TS 28.540 version 16.2.0 Release 16)	33.070.50	2020-11
ETSI TS 128541 V 15.7.0	5G – Management and orchestration – 5G Network Resource Model (NRM) – Stage 2 and stage 3 (3GPP TS 28.541 version 15.7.0 Release 15)	33.070.50	2020-11
ETSI TS 128541 V 16.6.2	5G – Management and orchestration – 5G Network Resource Model (NRM) – Stage 2 and stage 3 (3GPP TS 28.541 version 16.6.2 Release 16)	33.070.50	2020-11
ETSI TS 128545 V 16.1.0	5G – Management and orchestration – Fault Supervision (FS) (3GPP TS 28.545 version 16.1.0 Release 16)	33.070.50	2020-11
ETSI TS 128550 V 15.6.0	5G – Management and orchestration – Performance assurance (3GPP TS 28.550 version 15.6.0 Release 15)	33.070.50	2020-11
ETSI TS 128550 V 16.6.0	5G – Management and orchestration – Performance assurance (3GPP TS 28.550 version 16.6.0 Release 16)	33.070.50	2020-11
ETSI TS 128552 V 16.7.0	5G – Management and orchestration – 5G performance measurements (3GPP TS 28.552 version 16.7.0 Release 16)	33.070.50	2020-11
ETSI TS 128554 V 16.6.0	5G – Management and orchestration – 5G end to end Key Performance Indicators (KPI) (3GPP TS 28.554 version 16.6.0 Release 16)	33.070.50	2020-11
ETSI TS 128622 V 16.5.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Telecommunication management – Generic Network Resource Model (NRM) Integration Reference Point (IRP) – Information Service (IS) (3GPP TS 28.622 version 16.5.0 Release 16)	33.070.50	2020-11
ETSI TS 128623 V 11.5.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Telecommunication management – Generic Network Resource Model (NRM) Integration Reference Point (IRP) – Solution Set (SS) definitions (3GPP TS 28.623 version 11.5.0 Release 11)	33.070.50	2020-11
ETSI TS 128623 V 12.3.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Telecommunication management – Generic Network Resource Model (NRM) Integration Reference Point (IRP) – Solution Set (SS) definitions (3GPP TS 28.623 version 12.3.0 Release 12)	33.070.50	2020-11
ETSI TS 128623 V 13.3.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Telecommunication management – Generic Network Resource Model (NRM) Integration Reference Point (IRP) – Solution Set (SS) definitions (3GPP TS 28.623 version 13.3.0 Release 13)	33.070.50	2020-11
ETSI TS 128623 V 14.2.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Telecommunication management – Generic Network Resource Model (NRM) Integration Reference Point (IRP) – Solution Set (SS) definitions (3GPP TS 28.623 version 14.2.0 Release 14)	33.070.50	2020-11
ETSI TS 128623 V 15.5.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Telecommunication management – Generic Network Resource Model (NRM) Integration Reference Point (IRP) – Solution Set (SS) definitions (3GPP TS 28.623 version 15.5.0 Release 15)	33.070.50	2020-11

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ETSI TS 128623 V 16.5.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Telecommunication management – Generic Network Resource Model (NRM) Integration Reference Point (IRP) – Solution Set (SS) definitions (3GPP TS 28.623 version 16.5.0 Release 16)	33.070.50	2020-11
ETSI TS 128628 V 16.1.0	Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Self-Organizing Networks (SON) Policy Network Resource Model (NRM) Integration Reference Point (IRP) – Information Service (IS) (3GPP TS 28.628 version 16.1.0 Release 16)	33.070.50	2020-11
ETSI TS 128659 V 16.2.0	Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Evolved Universal Terrestrial Radio Access Network (E-UTRAN) Network Resource Model (NRM) Integration Reference Point (IRP) – Solution Set (SS) definitions (3GPP TS 28.659 version 16.2.0 Release 16)	33.070.50	2020-11
ETSI TS 129002 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Mobile Application Part (MAP) specification (3GPP TS 29.002 version 16.0.0 Release 16)	33.070.50	2020-11
ETSI TS 129060 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – General Packet Radio Service (GPRS) – GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface (3GPP TS 29.060 version 16.0.0 Release 16)	33.070.50	2020-11
ETSI TS 129061 V 16.1.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Interworking between the Public Land Mobile Network (PLMN) supporting packet based services and Packet Data Networks (PDN) (3GPP TS 29.061 version 16.1.0 Release 16)	33.070.50	2020-11
ETSI TS 129116 V 14.5.0	LTE – 5G – Representational state transfer over xMB reference point between content provider and BM-SC (3GPP TS 29.116 version 14.5.0 Release 14)	33.070.99	2020-11
ETSI TS 129116 V 15.3.0	LTE – 5G – Representational state transfer over xMB reference point between content provider and BM-SC (3GPP TS 29.116 version 15.3.0 Release 15)	33.070.99	2020-11
ETSI TS 129116 V 16.6.0	LTE – 5G – Representational state transfer over xMB reference point between content provider and BM-SC (3GPP TS 29.116 version 16.6.0 Release 16)	33.070.99	2020-11
ETSI TS 129122 V 15.8.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – T8 reference point for Northbound APIs (3GPP TS 29.122 version 15.8.0 Release 15)	33.070.99	2020-11
ETSI TS 129122 V 16.7.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – T8 reference point for Northbound APIs (3GPP TS 29.122 version 16.7.0 Release 16)	33.070.99	2020-11
ETSI TS 129128 V 16.1.0	LTE – Universal Mobile Telecommunications System (UMTS) – Mobility Management Entity (MME) and Serving GPRS Support Node (SGSN) interfaces for interworking with packet data networks and applications (3GPP TS 29.128 version 16.1.0 Release 16)	33.070.99	2020-11
ETSI TS 129162 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Interworking between the IM CN subsystem and IP networks (3GPP TS 29.162 version 16.0.0 Release 16)	33.070.50	2020-11

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ETSI TS 129163 V 16.4.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Interworking between the IP Multimedia (IM) Core Network (CN) subsystem and Circuit Switched (CS) networks (3GPP TS 29.163 version 16.4.0 Release 16)	33.070.50	2020-11
ETSI TS 129165 V 13.15.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Inter-IMS Network to Network Interface (NNI) (3GPP TS 29.165 version 13.15.0 Release 13)	33.070.50	2020-11
ETSI TS 129165 V 14.14.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Inter-IMS Network to Network Interface (NNI) (3GPP TS 29.165 version 14.14.0 Release 14)	33.070.50	2020-11
ETSI TS 129165 V 15.11.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Inter-IMS Network to Network Interface (NNI) (3GPP TS 29.165 version 15.11.0 Release 15)	33.070.50	2020-11
ETSI TS 129165 V 16.4.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Inter-IMS Network to Network Interface (NNI) (3GPP TS 29.165 version 16.4.0 Release 16)	33.070.50	2020-11
ETSI TS 129168 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Cell Broadcast Centre interfaces with the Evolved Packet Core – Stage 3 (3GPP TS 29.168 version 16.0.0 Release 16)	33.070.50	2020-11
ETSI TS 129171 V 16.1.0	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 16.1.0 Release 16)	33.070.50	2020-11
ETSI TS 129212 V 16.4.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Policy and Charging Control (PCC) – Reference points (3GPP TS 29.212 version 16.4.0 Release 16)	33.070.50	2020-11
ETSI TS 129214 V 15.9.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Policy and charging control over Rx reference point (3GPP TS 29.214 version 15.9.0 Release 15)	33.070.50	2020-11
ETSI TS 129214 V 16.4.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Policy and charging control over Rx reference point (3GPP TS 29.214 version 16.4.0 Release 16)	33.070.50	2020-11
ETSI TS 129222 V 15.7.0	5G – LTE – Common API Framework for 3GPP Northbound APIs (3GPP TS 29.222 version 15.7.0 Release 15)	33.070.99	2020-11
ETSI TS 129222 V 16.4.0	5G – LTE – Common API Framework for 3GPP Northbound APIs (3GPP TS 29.222 version 16.4.0 Release 16)	33.070.99	2020-11
ETSI TS 129228 V 16.1.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – IP Multimedia (IM) Subsystem Cx and Dx Interfaces – Signalling flows and message contents (3GPP TS 29.228 version 16.1.0 Release 16)	33.070.50	2020-11

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ETSI TS 129229 V 16.2.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Cx and Dx interfaces based on the Diameter protocol – Protocol details (3GPP TS 29.229 version 16.2.0 Release 16)	33.070.50	2020-11
ETSI TS 129230 V 15.10.0; 3GPP TS 29.230 Version 15.10.0 Release 15	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 15.10.0 Release 15)	33.070.50	2020-11
ETSI TS 129230 V 16.4.0; 3GPP TS 29.230 Version 16.4.0 Release 16	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 16.4.0 Release 16)	33.070.50	2020-11
ETSI TS 129238 V 16.0.0; 3GPP TS 29.238 Version 16.0.0 Release 16	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Interconnection Border Control Functions (IBCF) – Transition Gateway (TrGW) interface, Ix interface – Stage 3 (3GPP TS 29.238 version 16.0.0 Release 16)	33.070.50	2020-11
ETSI TS 129244 V 15.10.0; 3GPP TS 29.244 Version 15.10.0 Release 15	LTE – 5G – Interface between the Control Plane and the User Plane nodes (3GPP TS 29.244 version 15.10.0 Release 15)	33.070.99	2020-11
ETSI TS 129244 V 16.5.0; 3GPP TS 29.244 Version 16.5.0 Release 16	LTE – 5G – Interface between the Control Plane and the User Plane nodes (3GPP TS 29.244 version 16.5.0 Release 16)	33.070.99	2020-11
ETSI TS 129250 V 16.2.0; 3GPP TS 29.250 Version 16.2.0 Release 16	LTE – Nu reference point between SCEF and PFDF for sponsored data connectivity (3GPP TS 29.250 version 16.2.0 Release 16)	33.070.99	2020-11
ETSI TS 129251 V 16.2.0; 3GPP TS 29.251 Version 16.2.0 Release 16	LTE – Gw and Gwn reference point for sponsored data connectivity (3GPP TS 29.251 version 16.2.0 Release 16)	33.070.99	2020-11
ETSI TS 129272 V 16.4.0; 3GPP TS 29.272 Version 16.4.0 Release 16	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Evolved Packet System (EPS) – Mobility Management Entity (MME) and Serving GPRS Support Node (SGSN) related interfaces based on Diameter protocol (3GPP TS 29.272 version 16.4.0 Release 16)	33.070.50	2020-11
ETSI TS 129273 V 16.2.0; 3GPP TS 29.273 Version 16.2.0 Release 16	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Evolved Packet System (EPS) – 3GPP EPS AAA interfaces (3GPP TS 29.273 version 16.2.0 Release 16)	33.070.50	2020-11
ETSI TS 129274 V 16.5.0; 3GPP TS 29.274 Version 16.5.0 Release 16	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – 3GPP Evolved Packet System (EPS) – Evolved General Packet Radio Service (GPRS) Tunnelling Protocol for Control plane (GTPv2-C) – Stage 3 (3GPP TS 29.274 version 16.5.0 Release 16)	33.070.50	2020-11
ETSI TS 129281 V 16.1.0; 3GPP TS 29.281 Version 16.1.0 Release 16	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – General Packet Radio System (GPRS) Tunnelling Protocol User Plane (GTPv1-U) (3GPP TS 29.281 version 16.1.0 Release 16)	33.070.50	2020-11
ETSI TS 129303 V 16.3.0; 3GPP TS 29.303 Version 16.3.0 Release 16	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Domain Name System Procedures – Stage 3 (3GPP TS 29.303 version 16.3.0 Release 16)	33.070.50	2020-11



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ETSI TS 129328 V 16.1.0; 3GPP TS 29.328 Version 16.1.0 Release 16	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – IP Multimedia (IM) Subsystem Sh interface – Signalling flows and message contents (3GPP TS 29.328 version 16.1.0 Release 16)	33.070.50	2020-11
ETSI TS 129333 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Multimedia Resource Function Controller (MRFC) – Multimedia Resource Function Processor (MRFP) Mp interface – Stage 3 (3GPP TS 29.333 version 16.0.0 Release 16)	33.070.50	2020-11
ETSI TS 129334 V 16.1.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – IMS Application Level Gateway (IMS-ALG) – IMS Access Gateway (IMS-AGW) – Iq Interface – Stage 3 (3GPP TS 29.334 version 16.1.0 Release 16)	33.070.50	2020-11
ETSI TS 129336 V 16.2.0	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 16.2.0 Release 16)	33.070.50	2020-11
ETSI TS 129338 V 15.3.0	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 15.3.0 Release 15)	33.070.50	2020-11
ETSI TS 129338 V 16.1.0	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 16.1.0 Release 16)	33.070.50	2020-11
ETSI TS 129379 V 16.1.1	LTE – 5G – Mission Critical Push To Talk (MCPTT) call control interworking with Land Mobile Radio (LMR) systems – Stage-3 (3GPP TS 29.379 version 16.1.1 Release 16)	33.070.99	2020-11
ETSI TS 129380 V 16.0.0	LTE – 5G – Mission Critical Push To Talk (MCPTT) media plane control interworking with Land Mobile Radio (LMR) systems – Stage 3 (3GPP TS 29.380 version 16.0.0 Release 16)	33.070.99	2020-11
ETSI TS 129388 V 16.0.0	LTE – V2X Control Function to Home Subscriber Server (HSS) aspects (V4) – Stage 3 (3GPP TS 29.388 version 16.0.0 Release 16)	33.070.50	2020-11
ETSI TS 129389 V 16.0.0	LTE – Inter-V2X Control Function Signalling aspects (V6) – Stage 3 (3GPP TS 29.389 version 16.0.0 Release 16)	33.070.50	2020-11
ETSI TS 129413 V 15.5.0	5G – Application of the NG Application Protocol (NGAP) to non-3GPP access (3GPP TS 29.413 version 15.5.0 Release 15)	33.070.99	2020-11
ETSI TS 129413 V 16.1.0	5G – Application of the NG Application Protocol (NGAP) to non-3GPP access (3GPP TS 29.413 version 16.1.0 Release 16)	33.070.99	2020-11
ETSI TS 129500 V 15.7.0	5G – 5G System – Technical Realization of Service Based Architecture – Stage 3 (3GPP TS 29.500 version 15.7.0 Release 15)	33.070.99	2020-11
ETSI TS 129500 V 16.5.0	5G – 5G System – Technical Realization of Service Based Architecture – Stage 3 (3GPP TS 29.500 version 16.5.0 Release 16)	33.070.99	2020-11

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ETSI TS 129501 V 15.8.0	5G – 5G System – Principles and Guidelines for Services Definition – Stage 3 (3GPP TS 29.501 version 15.8.0 Release 15)	33.070.99	2020-11
ETSI TS 129501 V 16.5.0	5G – 5G System – Principles and Guidelines for Services Definition – Stage 3 (3GPP TS 29.501 version 16.5.0 Release 16)	33.070.99	2020-11
ETSI TS 129502 V 15.9.0	5G – 5G System – Session Management Services – Stage 3 (3GPP TS 29.502 version 15.9.0 Release 15)	33.070.99	2020-11
ETSI TS 129502 V 16.5.0	5G – 5G System – Session Management Services – Stage 3 (3GPP TS 29.502 version 16.5.0 Release 16)	33.070.99	2020-11
ETSI TS 129503 V 15.8.0	5G – 5G System – Unified Data Management Services – Stage 3 (3GPP TS 29.503 version 15.8.0 Release 15)	33.070.99	2020-11
ETSI TS 129503 V 16.5.0	5G – 5G System – Unified Data Management Services – Stage 3 (3GPP TS 29.503 version 16.5.0 Release 16)	33.070.99	2020-11
ETSI TS 129504 V 16.5.0	5G – 5G System – Unified Data Repository Services – Stage 3 (3GPP TS 29.504 version 16.5.0 Release 16)	33.070.99	2020-11
ETSI TS 129505 V 16.4.0	5G – 5G System – Usage of the Unified Data Repository services for Subscription Data – Stage 3 (3GPP TS 29.505 version 16.4.0 Release 16)	33.070.99	2020-11
ETSI TS 129507 V 16.5.0	5G – 5G System – Access and Mobility Policy Control Service – Stage 3 (3GPP TS 29.507 version 16.5.0 Release 16)	33.070.99	2020-11
ETSI TS 129508 V 16.5.0	5G – 5G System – Session Management Event Exposure Service – Stage 3 (3GPP TS 29.508 version 16.5.0 Release 16)	33.070.99	2020-11
ETSI TS 129509 V 15.6.0	5G – 5G System – Authentication Server Services – Stage 3 (3GPP TS 29.509 version 15.6.0 Release 15)	33.070.99	2020-11
ETSI TS 129509 V 16.5.0	5G – 5G System – Authentication Server Services – Stage 3 (3GPP TS 29.509 version 16.5.0 Release 16)	33.070.99	2020-11
ETSI TS 129510 V 15.8.0	5G – 5G System – Network function repository services – Stage 3 (3GPP TS 29.510 version 15.8.0 Release 15)	33.070.99	2020-11
ETSI TS 129510 V 16.5.0	5G – 5G System – Network function repository services – Stage 3 (3GPP TS 29.510 version 16.5.0 Release 16)	33.070.99	2020-11
ETSI TS 129512 V 15.8.0	5G – 5G System – Session Management Policy Control Service – Stage 3 (3GPP TS 29.512 version 15.8.0 Release 15)	33.070.99	2020-11
ETSI TS 129512 V 16.6.0	5G – 5G System – Session Management Policy Control Service – Stage 3 (3GPP TS 29.512 version 16.6.0 Release 16)	33.070.99	2020-11
ETSI TS 129513 V 15.8.0	5G – 5G System – Policy and Charging Control signalling flows and QoS parameter mapping – Stage 3 (3GPP TS 29.513 version 15.8.0 Release 15)	33.070.99	2020-11
ETSI TS 129513 V 16.5.0	5G – 5G System – Policy and Charging Control signalling flows and QoS parameter mapping – Stage 3 (3GPP TS 29.513 version 16.5.0 Release 16)	33.070.99	2020-11
ETSI TS 129514 V 16.6.0	5G – 5G System – Policy Authorization Service – Stage 3 (3GPP TS 29.514 version 16.6.0 Release 16)	33.070.99	2020-11
ETSI TS 129515 V 16.2.0	5G – 5G System – Gateway Mobile Location Services – Stage 3 (3GPP TS 29.515 version 16.2.0 Release 16)	33.070.99	2020-11
ETSI TS 129517 V 16.2.0	5G – 5G System – Application Function (AF) event exposure service – Stage 3 (3GPP TS 29.517 version 16.2.0 Release 16)	33.070.99	2020-11

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ETSI TS 129518 V 15.8.0	5G – 5G System – Access and Mobility Management Services – Stage 3 (3GPP TS 29.518 version 15.8.0 Release 15)	33.070.99	2020-11
ETSI TS 129518 V 16.5.0	5G – 5G System – Access and Mobility Management Services – Stage 3 (3GPP TS 29.518 version 16.5.0 Release 16)	33.070.99	2020-11
ETSI TS 129519 V 16.5.0	5G – 5G System – Usage of the Unified Data Repository Service for Policy Data, Application Data and Structured Data for Exposure – Stage 3 (3GPP TS 29.519 version 16.5.0 Release 16)	33.070.99	2020-11
ETSI TS 129520 V 15.7.0	5G – 5G System – Network Data Analytics Services – Stage 3 (3GPP TS 29.520 version 15.7.0 Release 15)	33.070.99	2020-11
ETSI TS 129520 V 16.5.1	5G – 5G System – Network Data Analytics Services – Stage 3 (3GPP TS 29.520 version 16.5.1 Release 16)	33.070.99	2020-11
ETSI TS 129521 V 16.5.0	5G – 5G System – Binding Support Management Service – Stage 3 (3GPP TS 29.521 version 16.5.0 Release 16)	33.070.99	2020-11
ETSI TS 129522 V 16.5.0	5G – 5G System – Network Exposure Function Northbound APIs – Stage 3 (3GPP TS 29.522 version 16.5.0 Release 16)	33.070.99	2020-11
ETSI TS 129523 V 15.4.0	5G – 5G System – Policy Control Event Exposure Service – Stage 3 (3GPP TS 29.523 version 15.4.0 Release 15)	33.070.99	2020-11
ETSI TS 129523 V 16.3.0	5G – 5G System – Policy Control Event Exposure Service – Stage 3 (3GPP TS 29.523 version 16.3.0 Release 16)	33.070.99	2020-11
ETSI TS 129525 V 16.5.0	5G – 5G System – UE Policy Control Service – Stage 3 (3GPP TS 29.525 version 16.5.0 Release 16)	33.070.99	2020-11
ETSI TS 129526 V 16.1.0	5G – 5G System – Network Slice-Specific Authentication and Authorization (NSSAA) services – Stage 3 (3GPP TS 29.526 version 16.1.0 Release 16)	33.070.99	2020-11
ETSI TS 129531 V 16.4.0	5G – 5G System – Network Slice Selection Services – Stage 3 (3GPP TS 29.531 version 16.4.0 Release 16)	33.070.99	2020-11
ETSI TS 129540 V 16.5.0	5G – 5G System – SMS Services – Stage 3 (3GPP TS 29.540 version 16.5.0 Release 16)	33.070.99	2020-11
ETSI TS 129542 V 16.2.0	LTE – 5G – 5G System – Session management services for Non-IP Data Delivery (NIDD) – Stage 3 (3GPP TS 29.542 version 16.2.0 Release 16)	33.070.50	2020-11
ETSI TS 129544 V 16.2.0	5G – 5G System – Secured Packet Application Function (SP-AF) services – Stage 3 (3GPP TS 29.544 version 16.2.0 Release 16)	33.070.99	2020-11
ETSI TS 129549 V 16.1.0	5G – LTE – Service Enabler Architecture Layer for Verticals (SEAL) – Application Programming Interface (API) specification – Stage 3 (3GPP TS 29.549 version 16.1.0 Release 16)	33.070.99	2020-11
ETSI TS 129550 V 16.2.0	5G – 5G System – Steering of roaming application function services – Stage 3 (3GPP TS 29.550 version 16.2.0 Release 16)	33.070.99	2020-11
ETSI TS 129551 V 15.6.0	5G – 5G System – Packet Flow Description Management Service – Stage 3 (3GPP TS 29.551 version 15.6.0 Release 15)	33.070.99	2020-11
ETSI TS 129551 V 16.5.0	5G – 5G System – Packet Flow Description Management Service – Stage 3 (3GPP TS 29.551 version 16.5.0 Release 16)	33.070.99	2020-11
ETSI TS 129561 V 15.5.0	5G – 5G System – Interworking between 5G Network and external Data Networks – Stage 3 (3GPP TS 29.561 version 15.5.0 Release 15)	33.070.99	2020-11

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ETSI TS 129561 V 16.5.0	5G – 5G System – Interworking between 5G Network and external Data Networks – Stage 3 (3GPP TS 29.561 version 16.5.0 Release 16)	33.070.99	2020-11
ETSI TS 129562 V 16.2.1	5G – 5G System – Home Subscriber Server (HSS) services for interworking with the IP Multimedia Subsystem (IMS) – Stage 3 (3GPP TS 29.562 version 16.2.1 Release 16)	33.070.99	2020-11
ETSI TS 129563 V 16.2.0	5G – 5G System – Home Subscriber Server (HSS) services for interworking with Unified Data Management (UDM) – Stage 3 (3GPP TS 29.563 version 16.2.0 Release 16)	33.070.99	2020-11
ETSI TS 129571 V 16.5.0	5G – 5G System – Common Data Types for Service Based Interfaces – Stage 3 (3GPP TS 29.571 version 16.5.0 Release 16)	33.070.99	2020-11
ETSI TS 129572 V 16.4.0	5G – 5G System – Location Management Services – Stage 3 (3GPP TS 29.572 version 16.4.0 Release 16)	33.070.99	2020-11
ETSI TS 129573 V 16.4.0	5G – 5G System – Public Land Mobile Network (PLMN) Interconnection – Stage 3 (3GPP TS 29.573 version 16.4.0 Release 16)	33.070.99	2020-11
ETSI TS 129582 V 16.2.0	LTE – 5G – Mission Critical Data (MCData) interworking with Land Mobile Radio (LMR) systems – Stage 3 (3GPP TS 29.582 version 16.2.0 Release 16)	33.070.50	2020-11
ETSI TS 129591 V 16.2.0	5G – 5G System (5GS) – Network exposure function southbound services – Stage 3 (3GPP TS 29.591 version 16.2.0 Release 16)	33.070.99	2020-11
ETSI TS 129594 V 15.7.0	5G – 5G System – Spending Limit Control Service – Stage 3 (3GPP TS 29.594 version 15.7.0 Release 15)	33.070.99	2020-11
ETSI TS 129594 V 16.3.0	5G – 5G System – Spending Limit Control Service – Stage 3 (3GPP TS 29.594 version 16.3.0 Release 16)	33.070.99	2020-11
ETSI TS 129598 V 16.2.0	5G – Unstructured data storage services (3GPP TS 29.598 version 16.2.0 Release 16)	33.070.99	2020-11
ETSI TS 129673 V 16.2.0	LTE – 5G – 5G System – UE radio capability management services – Stage 3 (3GPP TS 29.673 version 16.2.0 Release 16)	33.070.50	2020-11
ETSI TS 129674 V 16.2.0	LTE – 5G – Interface between the UE radio Capability Management Function (UCMF) and the Mobility Management Entity (MME) – Stage 3 (3GPP TS 29.674 version 16.2.0 Release 16)	33.070.50	2020-11
ETSI TS 129675 V 16.2.0	LTE – 5G – User Equipment (UE) radio capability provisioning service – Stage 3 (3GPP TS 29.675 version 16.2.0 Release 16)	33.070.50	2020-11
ETSI TS 131102 V 15.11.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Characteristics of the Universal Subscriber Identity Module (USIM) application (3GPP TS 31.102 version 15.11.0 Release 15)	33.070.50	2020-11
ETSI TS 131102 V 16.5.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Characteristics of the Universal Subscriber Identity Module (USIM) application (3GPP TS 31.102 version 16.5.0 Release 16)	33.070.50	2020-11
ETSI TS 131103 V 15.6.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Characteristics of the IP Multimedia Services Identity Module (ISIM) application (3GPP TS 31.103 version 15.6.0 Release 15)	33.070.50	2020-11



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ETSI TS 131103 V 16.1.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Characteristics of the IP Multimedia Services Identity Module (ISIM) application (3GPP TS 31.103 version 16.1.0 Release 16)	33.070.50	2020-11
ETSI TS 131104 V 15.1.0	Universal Mobile Telecommunications System (UMTS) – LTE – Characteristics of the Hosting Party Subscription Identity Module (HPSIM) application (3GPP TS 31.104 version 15.1.0 Release 15)	33.070.50	2020-11
ETSI TS 131104 V 16.1.0	Universal Mobile Telecommunications System (UMTS) – LTE – Characteristics of the Hosting Party Subscription Identity Module (HPSIM) application (3GPP TS 31.104 version 16.1.0 Release 16)	33.070.50	2020-11
ETSI TS 131111 V 15.10.0	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 15.10.0 Release 15)	33.070.50	2020-11
ETSI TS 131111 V 16.2.0	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 16.2.0 Release 16)	33.070.50	2020-11
ETSI TS 131115 V 16.0.0	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 16.0.0 Release 16)	33.070.50	2020-11
ETSI TS 131121 V 15.9.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – UICC-terminal interface – Universal Subscriber Identity Module (USIM) application test specification (3GPP TS 31.121 version 15.9.0 Release 15)	33.070.50	2020-11
ETSI TS 131121 V 16.1.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – UICC-terminal interface – Universal Subscriber Identity Module (USIM) application test specification (3GPP TS 31.121 version 16.1.0 Release 16)	33.070.50	2020-11
ETSI TS 131122 V 15.3.0	Universal Mobile Telecommunications System (UMTS) – LTE – Universal Subscriber Identity Module (USIM) conformance test specification (3GPP TS 31.122 version 15.3.0 Release 15)	33.070.50	2020-11
ETSI TS 131122 V 16.1.0	Universal Mobile Telecommunications System (UMTS) – LTE – Universal Subscriber Identity Module (USIM) conformance test specification (3GPP TS 31.122 version 16.1.0 Release 16)	33.070.50	2020-11
ETSI TS 131213 V 15.2.0	Universal Mobile Telecommunications System (UMTS) – LTE – Test specification for (U)SIM – Application Programming Interface (API) for Java Card (3GPP TS 31.213 version 15.2.0 Release 15)	33.070.50	2020-11
ETSI TS 131213 V 16.1.0	Universal Mobile Telecommunications System (UMTS) – LTE – Test specification for (U)SIM – Application Programming Interface (API) for Java Card (3GPP TS 31.213 version 16.1.0 Release 16)	33.070.50	2020-11
ETSI TS 132103 V 10.1.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Integration Reference Point (IRP) overview and usage guide (3GPP TS 32.103 version 10.1.0 Release 10)	33.070.50	2020-11

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ETSI TS 132103 V 11.6.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Integration Reference Point (IRP) overview and usage guide (3GPP TS 32.103 version 11.6.0 Release 11)	33.070.50	2020-11
ETSI TS 132103 V 12.2.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Integration Reference Point (IRP) overview and usage guide (3GPP TS 32.103 version 12.2.0 Release 12)	33.070.50	2020-11
ETSI TS 132103 V 13.1.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Integration Reference Point (IRP) overview and usage guide (3GPP TS 32.103 version 13.1.0 Release 13)	33.070.50	2020-11
ETSI TS 132103 V 14.2.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Integration Reference Point (IRP) overview and usage guide (3GPP TS 32.103 version 14.2.0 Release 14)	33.070.50	2020-11
ETSI TS 132103 V 15.2.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Integration Reference Point (IRP) overview and usage guide (3GPP TS 32.103 version 15.2.0 Release 15)	33.070.50	2020-11
ETSI TS 132103 V 16.1.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Integration Reference Point (IRP) overview and usage guide (3GPP TS 32.103 version 16.1.0 Release 16)	33.070.50	2020-11
ETSI TS 132107 V 12.1.0	Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Fixed Mobile Convergence (FMC) Federated Network Information Model (FNIM) (3GPP TS 32.107 version 12.1.0 Release 12)	33.070.50	2020-11
ETSI TS 132107 V 13.1.0	Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Fixed Mobile Convergence (FMC) Federated Network Information Model (FNIM) (3GPP TS 32.107 version 13.1.0 Release 13)	33.070.50	2020-11
ETSI TS 132107 V 14.1.0	Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Fixed Mobile Convergence (FMC) Federated Network Information Model (FNIM) (3GPP TS 32.107 version 14.1.0 Release 14)	33.070.50	2020-11
ETSI TS 132107 V 15.1.0	Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Fixed Mobile Convergence (FMC) Federated Network Information Model (FNIM) (3GPP TS 32.107 version 15.1.0 Release 15)	33.070.50	2020-11

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 132107 V 16.1.0	Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Fixed Mobile Convergence (FMC) Federated Network Information Model (FNIM) (3GPP TS 32.107 version 16.1.0 Release 16)	33.070.50	2020-11
ETSI TS 132156 V 16.4.0	Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Fixed Mobile Convergence (FMC) model repertoire (3GPP TS 32.156 version 16.4.0 Release 16)	33.070.50	2020-11
ETSI TS 132158 V 16.1.0	LTE – 5G – Management and orchestration – Design rules for REpresentational State Transfer (REST) Solution Sets (SS) (3GPP TS 32.158 version 16.1.0 Release 16)	33.070.50	2020-11
ETSI TS 132240 V 16.1.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Charging management – Charging architecture and principles (3GPP TS 32.240 version 16.1.0 Release 16)	33.070.50	2020-11
ETSI TS 132251 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Charging management – Packet Switched (PS) domain charging (3GPP TS 32.251 version 16.0.0 Release 16)	33.070.50	2020-11
ETSI TS 132255 V 16.6.1	5G – Telecommunication management – Charging management – 5G data connectivity domain charging – Stage 2 (3GPP TS 32.255 version 16.6.1 Release 16)	33.070.50	2020-11
ETSI TS 132260 V 16.2.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Charging management – IP Multimedia Subsystem (IMS) charging (3GPP TS 32.260 version 16.2.0 Release 16)	33.070.50	2020-11
ETSI TS 132274 V 16.1.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Charging management – Short Message Service (SMS) charging (3GPP TS 32.274 version 16.1.0 Release 16)	33.070.50	2020-11
ETSI TS 132275 V 16.1.0	Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Charging management – MultiMedia Telephony (MMTel) charging (3GPP TS 32.275 version 16.1.0 Release 16)	33.070.50	2020-11
ETSI TS 132281 V 16.1.0	Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Charging management – Announcement service (3GPP TS 32.281 version 16.1.0 Release 16)	33.070.50	2020-11
ETSI TS 132290 V 16.5.0	5G – Telecommunication management – Charging management – 5G system – Services, operations and procedures of charging using Service Based Interface (SBI) (3GPP TS 32.290 version 16.5.0 Release 16)	33.070.50	2020-11
ETSI TS 132291 V 15.7.0	5G – Telecommunication management – Charging management – 5G system, charging service – Stage 3 (3GPP TS 32.291 version 15.7.0 Release 15)	33.070.50	2020-11
ETSI TS 132291 V 16.5.1	5G – Telecommunication management – Charging management – 5G system, charging service – Stage 3 (3GPP TS 32.291 version 16.5.1 Release 16)	33.070.50	2020-11
ETSI TS 132297 V 16.2.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Charging management – Charging Data Record (CDR) file format and transfer (3GPP TS 32.297 version 16.2.0 Release 16)	33.070.50	2020-11

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ETSI TS 132298 V 16.6.1	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Charging management – Charging Data Record (CDR) parameter description (3GPP TS 32.298 version 16.6.1 Release 16)	33.070.50	2020-11
ETSI TS 132299 V 16.2.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Charging management – Diameter charging applications (3GPP TS 32.299 version 16.2.0 Release 16)	33.070.50	2020-11
ETSI TS 132421 V 16.1.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Subscriber and equipment trace – Trace concepts and requirements (3GPP TS 32.421 version 16.1.0 Release 16)	33.070.50	2020-11
ETSI TS 132422 V 15.5.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Subscriber and equipment trace – Trace control and configuration management (3GPP TS 32.422 version 15.5.0 Release 15)	33.070.50	2020-11
ETSI TS 132422 V 16.3.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Subscriber and equipment trace – Trace control and configuration management (3GPP TS 32.422 version 16.3.0 Release 16)	33.070.50	2020-11
ETSI TS 132423 V 16.2.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Subscriber and equipment trace – Trace data definition and management (3GPP TS 32.423 version 16.2.0 Release 16)	33.070.50	2020-11
ETSI TS 132425 V 16.5.0	LTE – Telecommunication management – Performance Management (PM) – Performance measurements Evolved Universal Terrestrial Radio Access Network (E-UTRAN) (3GPP TS 32.425 version 16.5.0 Release 16)	33.070.50	2020-11
ETSI TS 132451 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Key Performance Indicators (KPI) for Evolved Universal Terrestrial Radio Access Network (E-UTRAN) – Requirements (3GPP TS 32.451 version 16.0.0 Release 16)	33.070.50	2020-11
ETSI TS 132511 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Automatic Neighbour Relation (ANR) management – Concepts and requirements (3GPP TS 32.511 version 16.0.0 Release 16)	33.070.50	2020-11
ETSI TR 132972 V 16.1.0	5G – Telecommunication management – Study on system and functional aspects of energy efficiency in 5G networks (3GPP TR 32.972 version 16.1.0 Release 16)	33.070.50	2020-11
ETSI TS 133108 V 15.8.0	Universal Mobile Telecommunications System (UMTS) – LTE – Digital cellular telecommunications system (Phase 2+) (GSM) – 3G security – Handover interface for Lawful Interception (LI) (3GPP TS 33.108 version 15.8.0 Release 15)	33.070.50	2020-11



Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 133108 V 16.2.0	Universal Mobile Telecommunications System (UMTS) – LTE – Digital cellular telecommunications system (Phase 2+) (GSM) – 3G security – Handover interface for Lawful Interception (LI) (3GPP TS 33.108 version 16.2.0 Release 16)	33.070.50	2020-11
ETSI TS 133126 V 16.2.0	LTE – 5G – Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Lawful Interception requirements (3GPP TS 33.126 version 16.2.0 Release 16)	33.070.50	2020-11
ETSI TS 133127 V 16.5.0	LTE – 5G – Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Lawful Interception (LI) architecture and functions (3GPP TS 33.127 version 16.5.0 Release 16)	33.070.50	2020-11
ETSI TS 133128 V 15.5.0	LTE – 5G – Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Security – Protocol and procedures for Lawful Interception (LI) – Stage 3 (3GPP TS 33.128 version 15.5.0 Release 15)	33.070.50	2020-11
ETSI TS 133128 V 16.4.0	LTE – 5G – Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Security – Protocol and procedures for Lawful Interception (LI) – Stage 3 (3GPP TS 33.128 version 16.4.0 Release 16)	33.070.50	2020-11
ETSI TS 133163 V 16.2.0	LTE – 5G – Battery Efficient Security for very low throughput Machine Type Communication (MTC) devices (BEST) (3GPP TS 33.163 version 16.2.0 Release 16)	33.070.50	2020-11
ETSI TS 133203 V 13.4.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 3G security – Access security for IP-based services (3GPP TS 33.203 version 13.4.0 Release 13)	33.070.50	2020-11
ETSI TS 133203 V 14.3.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 3G security – Access security for IP-based services (3GPP TS 33.203 version 14.3.0 Release 14)	33.070.50	2020-11
ETSI TS 133203 V 15.3.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 3G security – Access security for IP-based services (3GPP TS 33.203 version 15.3.0 Release 15)	33.070.50	2020-11
ETSI TS 133203 V 16.1.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 3G security – Access security for IP-based services (3GPP TS 33.203 version 16.1.0 Release 16)	33.070.50	2020-11
ETSI TS 133216 V 15.3.0	LTE – Security Assurance Specification (SCAS) for the evolved Node B (eNB) network product class (3GPP TS 33.216 version 15.3.0 Release 15)	33.070.50	2020-11
ETSI TS 133216 V 16.5.0	LTE – Security Assurance Specification (SCAS) for the evolved Node B (eNB) network product class (3GPP TS 33.216 version 16.5.0 Release 16)	33.070.50	2020-11
ETSI TS 133220 V 16.2.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Generic Authentication Architecture (GAA) – Generic Bootstrapping Architecture (GBA) (3GPP TS 33.220 version 16.2.0 Release 16)	33.070.50	2020-11

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ETSI TS 133310 V 16.5.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Network Domain Security (NDS) – Authentication Framework (AF) (3GPP TS 33.310 version 16.5.0 Release 16)	33.070.50	2020-11
ETSI TS 133434 V 16.1.0	LTE – 5G – Security aspects of Service Enabler Architecture Layer (SEAL) for verticals (3GPP TS 33.434 version 16.1.0 Release 16)	33.070.50	2020-11
ETSI TS 133501 V 15.10.0	5G – Security architecture and procedures for 5G System (3GPP TS 33.501 version 15.10.0 Release 15)	33.070.50	2020-11
ETSI TS 133501 V 16.4.0	5G – Security architecture and procedures for 5G System (3GPP TS 33.501 version 16.4.0 Release 16)	33.070.50	2020-11
ETSI TS 133511 V 16.5.0	5G – Security Assurance Specification (SCAS) for the next generation Node B (gNodeB) network product class (3GPP TS 33.511 version 16.5.0 Release 16)	33.070.50	2020-11
ETSI TS 133514 V 16.3.0	5G – 5G Security Assurance Specification (SCAS) for the Unified Data Management (UDM) network product class (3GPP TS 33.514 version 16.3.0 Release 16)	33.070.50	2020-11
ETSI TS 133535 V 16.1.0	5G – Authentication and Key Management for Applications (AKMA) based on 3GPP credentials in the 5G System (5GS) (3GPP TS 33.535 version 16.1.0 Release 16)	33.070.50	2020-11
ETSI TS 133536 V 16.1.0	LTE – 5G – Security aspects of 3GPP support for advanced Vehicle-to-Everything (V2X) services (3GPP TS 33.536 version 16.1.0 Release 16)	33.070.50	2020-11
ETSI TS 134121-2 V 15.1.0	Universal Mobile Telecommunications System (UMTS) – User Equipment (UE) conformance specification – Radio transmission and reception (FDD) – Part 2: Implementation Conformance Statement (ICS) (3GPP TS 34.121-2 version 15.1.0 Release 15)	33.070.50	2020-11
ETSI TS 134229-2 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 2: Implementation Conformance Statement (ICS) specification (3GPP TS 34.229-2 version 15.4.0 Release 15)	33.070.50	2020-11
ETSI TS 134229-3 V 15.6.0	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 15.6.0 Release 15)	33.070.50	2020-11
ETSI TS 134229-5 V 15.1.0	5G – Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP) – User Equipment (UE) conformance specification – Part 5: Protocol conformance specification using 5G System (5GS) (3GPP TS 34.229-5 version 15.1.0 Release 15)	33.070.50	2020-11
ETSI TS 136104 V 16.7.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Base Station (BS) radio transmission and reception (3GPP TS 36.104 version 16.7.0 Release 16)	33.070.50	2020-11
ETSI TS 136141 V 15.10.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Base Station (BS) conformance testing (3GPP TS 36.141 version 15.10.0 Release 15)	33.070.50	2020-11
ETSI TS 136141 V 16.7.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Base Station (BS) conformance testing (3GPP TS 36.141 version 16.7.0 Release 16)	33.070.50	2020-11

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 136212 V 14.14.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Multiplexing and channel coding (3GPP TS 36.212 version 14.14.0 Release 14)	33.070.50	2020-11
ETSI TS 136212 V 15.11.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Multiplexing and channel coding (3GPP TS 36.212 version 15.11.0 Release 15)	33.070.50	2020-11
ETSI TS 136212 V 16.3.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Multiplexing and channel coding (3GPP TS 36.212 version 16.3.0 Release 16)	33.070.50	2020-11
ETSI TS 136300 V 15.11.0	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 15.11.0 Release 15)	33.070.50	2020-11
ETSI TS 136300 V 16.3.0	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 16.3.0 Release 16)	33.070.50	2020-11
ETSI TS 136304 V 15.7.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – User Equipment (UE) procedures in idle mode (3GPP TS 36.304 version 15.7.0 Release 15)	33.070.50	2020-11
ETSI TS 136304 V 16.2.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – User Equipment (UE) procedures in idle mode (3GPP TS 36.304 version 16.2.0 Release 16)	33.070.50	2020-11
ETSI TS 136305 V 16.2.0	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 16.2.0 Release 16)	33.070.50	2020-11
ETSI TS 136306 V 16.2.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – User Equipment (UE) radio access capabilities (3GPP TS 36.306 version 16.2.0 Release 16)	33.070.50	2020-11
ETSI TS 136321 V 14.13.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Medium Access Control (MAC) protocol specification (3GPP TS 36.321 version 14.13.0 Release 14)	33.070.50	2020-11
ETSI TS 136321 V 15.10.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Medium Access Control (MAC) protocol specification (3GPP TS 36.321 version 15.10.0 Release 15)	33.070.50	2020-11
ETSI TS 136321 V 16.2.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Medium Access Control (MAC) protocol specification (3GPP TS 36.321 version 16.2.0 Release 16)	33.070.50	2020-11
ETSI TS 136331 V 12.19.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Radio Resource Control (RRC) – Protocol specification (3GPP TS 36.331 version 12.19.0 Release 12)	33.070.50	2020-11
ETSI TS 136331 V 13.16.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Radio Resource Control (RRC) – Protocol specification (3GPP TS 36.331 version 13.16.0 Release 13)	33.070.50	2020-11
ETSI TS 136331 V 14.15.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Radio Resource Control (RRC) – Protocol specification (3GPP TS 36.331 version 14.15.0 Release 14)	33.070.50	2020-11
ETSI TS 136331 V 15.11.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Radio Resource Control (RRC) – Protocol specification (3GPP TS 36.331 version 15.11.0 Release 15)	33.070.50	2020-11

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 136331 V 16.2.1	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Radio Resource Control (RRC) – Protocol specification (3GPP TS 36.331 version 16.2.1 Release 16)	33.070.50	2020-11
ETSI TS 136413 V 15.10.0	LTE – Evolved Universal Terrestrial Radio Access Network (E-UTRAN) – S1 Application Protocol (S1AP) (3GPP TS 36.413 version 15.10.0 Release 15)	33.070.50	2020-11
ETSI TS 136413 V 16.3.0	LTE – Evolved Universal Terrestrial Radio Access Network (E-UTRAN) – S1 Application Protocol (S1AP) (3GPP TS 36.413 version 16.3.0 Release 16)	33.070.50	2020-11
ETSI TS 136422 V 16.1.0	LTE – Evolved Universal Terrestrial Radio Access Network (E-UTRAN) – X2 signalling transport (3GPP TS 36.422 version 16.1.0 Release 16)	33.070.50	2020-11
ETSI TS 136423 V 15.11.0	LTE – Evolved Universal Terrestrial Radio Access Network (E-UTRAN) – X2 Application Protocol (X2AP) (3GPP TS 36.423 version 15.11.0 Release 15)	33.070.50	2020-11
ETSI TS 136423 V 16.3.0	LTE – Evolved Universal Terrestrial Radio Access Network (E-UTRAN) – X2 Application Protocol (X2AP) (3GPP TS 36.423 version 16.3.0 Release 16)	33.070.50	2020-11
ETSI TS 136455 V 16.1.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – LTE Positioning Protocol A (LPPa) (3GPP TS 36.455 version 16.1.0 Release 16)	33.070.50	2020-11
ETSI TS 136508 V 16.6.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Packet Core (EPC) – Common test environments for User Equipment (UE) conformance testing (3GPP TS 36.508 version 16.6.0 Release 16)	33.070.50	2020-11
ETSI TS 136509 V 15.4.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Packet Core (EPC) – Special conformance testing functions for User Equipment (UE) (3GPP TS 36.509 version 15.4.0 Release 15)	33.070.50	2020-11
ETSI TS 136521-2 V 16.6.0	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 16.6.0 Release 16)	33.070.50	2020-11
ETSI TS 136521-3 V 16.6.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – User Equipment (UE) conformance specification – Radio transmission and reception – Part 3: Radio Resource Management (RRM) conformance testing (3GPP TS 36.521-3 version 16.6.0 Release 16)	33.070.50	2020-11
ETSI TS 136523-1 V 16.6.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Packet Core (EPC) – User Equipment (UE) conformance specification – Part 1: Protocol conformance specification (3GPP TS 36.523-1 version 16.6.0 Release 16)	33.070.50	2020-11
ETSI TS 136523-2 V 16.6.0	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 16.6.0 Release 16)	33.070.50	2020-11
ETSI TS 136523-3 V 16.6.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Packet Core (EPC) – User Equipment (UE) conformance specification – Part 3: Test suites (3GPP TS 36.523-3 version 16.6.0 Release 16)	33.070.50	2020-11



Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 136579-1 V 14.8.0	LTE – Mission Critical (MC) services over LTE – Part 1: Common test environment (3GPP TS 36.579-1 version 14.8.0 Release 14)	33.070.99	2020-11
ETSI TS 136579-2 V 14.8.0	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 14.8.0 Release 14)	33.070.99	2020-11
ETSI TS 136579-4 V 14.4.1	LTE – Mission Critical (MC) services over LTE – Part 4: Test Applicability and Implementation Conformance Statement (ICS) proforma specification (3GPP TS 36.579-4 version 14.4.1 Release 14)	33.070.99	2020-11
ETSI TS 136579-5 V 13.7.0	LTE – Mission Critical (MC) services over LTE – Part 5: Abstract test suite (ATS) (3GPP TS 36.579-5 version 13.7.0 Release 13)	33.070.99	2020-11
ETSI TS 136579-5 V 14.0.0	LTE – Mission Critical (MC) services over LTE – Part 5: Abstract test suite (ATS) (3GPP TS 36.579-5 version 14.0.0 Release 14)	33.070.99	2020-11
ETSI TS 136579-6 V 14.0.0	LTE – Mission Critical (MC) services over LTE – Part 6: Mission Critical Video (MCVideo) User Equipment (UE) Protocol conformance specification (3GPP TS 36.579-6 version 14.0.0 Release 14)	33.070.99	2020-11
ETSI TS 136579-7 V 14.0.0	LTE – Mission Critical (MC) services over LTE – Part 7: Mission Critical Data (MCData) User Equipment (UE) Protocol conformance specification (3GPP TS 36.579-7 version 14.0.0 Release 14)	33.070.99	2020-11
ETSI TR 136762 V 16.0.0	LTE – 410 – 430 MHz Evolved Universal Terrestrial Radio Access (E-UTRA) Frequency Division Duplex (FDD) Band(s) for LTE Public Protection and Disaster Relief (PPDR) and Professional Mobile Radio (PMR) / Public Access Mobile Radio (PAMR) in Europe (3GPP TR 36.762 version 16.0.0 Release 16)	33.070.99	2020-11
ETSI TR 136776 V 16.0.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Study on LTE-based 5G terrestrial broadcast (3GPP TR 36.776 version 16.0.0 Release 16)	33.070.99	2020-11
ETSI TR 136903 V 15.4.0	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 15.4.0 Release 15)	33.070.50	2020-11
ETSI TR 136905 V 16.5.0	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 16.5.0 Release 16)	33.070.99	2020-11
ETSI TR 136976 V 16.0.0	LTE – Overall description of LTE-based 5G broadcast (3GPP TR 36.976 version 16.0.0 Release 16)	33.070.99	2020-11
ETSI TS 137104 V 16.7.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – NR, E-UTRA, UTRA and GSM/EDGE – Multi-Standard Radio (MSR) Base Station (BS) radio transmission and reception (3GPP TS 37.104 version 16.7.0 Release 16)	33.070.50	2020-11
ETSI TS 137105 V 13.11.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Active Antenna System (AAS) Base Station (BS) transmission and reception (3GPP TS 37.105 version 13.11.0 Release 13)	33.070.99	2020-11

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 137105 V 14.7.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Active Antenna System (AAS) Base Station (BS) transmission and reception (3GPP TS 37.105 version 14.7.0 Release 14)	33.070.99	2020-11
ETSI TS 137105 V 15.10.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Active Antenna System (AAS) Base Station (BS) transmission and reception (3GPP TS 37.105 version 15.10.0 Release 15)	33.070.99	2020-11
ETSI TS 137105 V 16.5.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Active Antenna System (AAS) Base Station (BS) transmission and reception (3GPP TS 37.105 version 16.5.0 Release 16)	33.070.99	2020-11
ETSI TS 137106 V 15.1.0	LTE – User Equipment (UE) requirements for shared spectrum channel access (3GPP TS 37.106 version 15.1.0 Release 15)	33.070.99	2020-11
ETSI TS 137106 V 16.1.0	LTE – User Equipment (UE) requirements for shared spectrum channel access (3GPP TS 37.106 version 16.1.0 Release 16)	33.070.99	2020-11
ETSI TS 137107 V 15.3.0	LTE – Base Station (BS) requirements and conformance tests for shared spectrum channel access (3GPP TS 37.107 version 15.3.0 Release 15)	33.070.99	2020-11
ETSI TS 137107 V 16.1.0	LTE – Base Station (BS) requirements and conformance tests for shared spectrum channel access (3GPP TS 37.107 version 16.1.0 Release 16)	33.070.99	2020-11
ETSI TS 137141 V 13.14.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – NR, E-UTRA, UTRA and GSM/EDGE – Multi-Standard Radio (MSR) Base Station (BS) conformance testing (3GPP TS 37.141 version 13.14.0 Release 13)	33.070.50	2020-11
ETSI TS 137141 V 14.12.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – NR, E-UTRA, UTRA and GSM/EDGE – Multi-Standard Radio (MSR) Base Station (BS) conformance testing (3GPP TS 37.141 version 14.12.0 Release 14)	33.070.50	2020-11
ETSI TS 137141 V 15.12.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – NR, E-UTRA, UTRA and GSM/EDGE – Multi-Standard Radio (MSR) Base Station (BS) conformance testing (3GPP TS 37.141 version 15.12.0 Release 15)	33.070.50	2020-11
ETSI TS 137141 V 16.7.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – NR, E-UTRA, UTRA and GSM/EDGE – Multi-Standard Radio (MSR) Base Station (BS) conformance testing (3GPP TS 37.141 version 16.7.0 Release 16)	33.070.50	2020-11
ETSI TS 137145-2 V 15.8.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Active Antenna System (AAS) Base Station (BS) conformance testing – Part 2: radiated conformance testing (3GPP TS 37.145-2 version 15.8.0 Release 15)	33.070.99	2020-11
ETSI TS 137145-2 V 16.5.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Active Antenna System (AAS) Base Station (BS) conformance testing – Part 2: radiated conformance testing (3GPP TS 37.145-2 version 16.5.0 Release 16)	33.070.99	2020-11

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 137171 V 13.2.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Universal Terrestrial Radio Access (UTRA) and Evolved UTRA (E-UTRA) – User Equipment (UE) performance requirements for Radio Access Technology (RAT) Independent Positioning Enhancements (3GPP TS 37.171 version 13.2.0 Release 13)	33.070.99	2020-11
ETSI TS 137171 V 14.7.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Universal Terrestrial Radio Access (UTRA) and Evolved UTRA (E-UTRA) – User Equipment (UE) performance requirements for Radio Access Technology (RAT) Independent Positioning Enhancements (3GPP TS 37.171 version 14.7.0 Release 14)	33.070.99	2020-11
ETSI TS 137171 V 15.4.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Universal Terrestrial Radio Access (UTRA) and Evolved UTRA (E-UTRA) – User Equipment (UE) performance requirements for Radio Access Technology (RAT) Independent Positioning Enhancements (3GPP TS 37.171 version 15.4.0 Release 15)	33.070.99	2020-11
ETSI TS 137171 V 16.1.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Universal Terrestrial Radio Access (UTRA) and Evolved UTRA (E-UTRA) – User Equipment (UE) performance requirements for Radio Access Technology (RAT) Independent Positioning Enhancements (3GPP TS 37.171 version 16.1.0 Release 16)	33.070.99	2020-11
ETSI TS 137213 V 16.3.0	LTE – 5G – Physical layer procedures for shared spectrum channel access (3GPP TS 37.213 version 16.3.0 Release 16)	33.070.99	2020-11
ETSI TS 137320 V 16.2.0	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 16.2.0 Release 16)	33.070.50	2020-11
ETSI TS 137324 V 16.2.0	LTE – 5G – Evolved Universal Terrestrial Radio Access (E-UTRA) and NR – Service Data Adaptation Protocol (SDAP) specification (3GPP TS 37.324 version 16.2.0 Release 16)	33.070.99	2020-11
ETSI TS 137340 V 15.10.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – NR – Multi-connectivity – Overall description – Stage-2 (3GPP TS 37.340 version 15.10.0 Release 15)	33.070.99	2020-11
ETSI TS 137340 V 16.3.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – NR – Multi-connectivity – Overall description – Stage-2 (3GPP TS 37.340 version 16.3.0 Release 16)	33.070.99	2020-11
ETSI TS 137355 V 16.2.0	LTE – 5G – LTE Positioning Protocol (LPP) (3GPP TS 37.355 version 16.2.0 Release 16)	33.070.50	2020-11
ETSI TS 137472 V 16.2.0	LTE – 5G – W1 interface – Signalling transport (3GPP TS 37.472 version 16.2.0 Release 16)	33.070.50	2020-11
ETSI TS 137473 V 16.3.0	LTE – 5G – W1 interface – Application Protocol (W1AP) (3GPP TS 37.473 version 16.3.0 Release 16)	33.070.50	2020-11
ETSI TS 137571-1 V 16.6.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – User Equipment (UE) conformance specification for UE positioning – Part 1: Conformance test specification (3GPP TS 37.571-1 version 16.6.0 Release 16)	33.070.50	2020-11
ETSI TS 137571-2 V 16.5.0	Universal Mobile Telecommunications System (UMTS) – LTE – User Equipment (UE) conformance specification for UE positioning – Part 2: Protocol conformance (3GPP TS 37.571-2 version 16.5.0 Release 16)	33.070.50	2020-11

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 137571-5 V 16.3.0	Universal Mobile Telecommunications System (UMTS) – LTE – User Equipment (UE) conformance specification for UE positioning – Part 5: Test scenarios and assistance data (3GPP TS 37.571-5 version 16.3.0 Release 16)	33.070.50	2020-11
ETSI TR 137901-5 V 16.1.0	5G – Study on 5G NR User Equipment (UE) application layer data throughput performance (3GPP TR 37.901-5 version 16.1.0 Release 16)	33.070.99	2020-11
ETSI TR 137910 V 16.1.0	5G – Study on self evaluation towards IMT-2020 submission (3GPP TR 37.910 version 16.1.0 Release 16)	33.070.50	2020-11
ETSI TR 137941 V 15.1.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Radio Frequency (RF) conformance testing background for radiated Base Station (BS) requirements (3GPP TR 37.941 version 15.1.0 Release 15)	33.070.50	2020-11
ETSI TR 137941 V 16.1.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Radio Frequency (RF) conformance testing background for radiated Base Station (BS) requirements (3GPP TR 37.941 version 16.1.0 Release 16)	33.070.50	2020-11
ETSI TS 138101-1 V 15.11.0	5G – NR – User Equipment (UE) radio transmission and reception – Part 1: Range 1 Standalone (3GPP TS 38.101-1 version 15.11.0 Release 15)	33.070.99	2020-11
ETSI TS 138101-1 V 16.5.0	5G – NR – User Equipment (UE) radio transmission and reception – Part 1: Range 1 Standalone (3GPP TS 38.101-1 version 16.5.0 Release 16)	33.070.99	2020-11
ETSI TS 138101-2 V 15.11.0	5G – NR – User Equipment (UE) radio transmission and reception – Part 2: Range 2 Standalone (3GPP TS 38.101-2 version 15.11.0 Release 15)	33.070.99	2020-11
ETSI TS 138101-2 V 16.5.0	5G – NR – User Equipment (UE) radio transmission and reception – Part 2: Range 2 Standalone (3GPP TS 38.101-2 version 16.5.0 Release 16)	33.070.99	2020-11
ETSI TS 138101-3 V 15.11.0	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 15.11.0 Release 15)	33.070.99	2020-11
ETSI TS 138101-3 V 16.5.0	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 16.5.0 Release 16)	33.070.99	2020-11
ETSI TS 138101-4 V 15.7.0	5G – NR – User Equipment (UE) radio transmission and reception – Part 4: Performance requirements (3GPP TS 38.101-4 version 15.7.0 Release 15)	33.070.99	2020-11
ETSI TS 138101-4 V 16.2.0	5G – NR – User Equipment (UE) radio transmission and reception – Part 4: Performance requirements (3GPP TS 38.101-4 version 16.2.0 Release 16)	33.070.99	2020-11
ETSI TS 138104 V 15.11.0	5G – NR – Base Station (BS) radio transmission and reception (3GPP TS 38.104 version 15.11.0 Release 15)	33.070.99	2020-11
ETSI TS 138104 V 16.5.0	5G – NR – Base Station (BS) radio transmission and reception (3GPP TS 38.104 version 16.5.0 Release 16)	33.070.99	2020-11
ETSI TS 138113 V 15.11.0	5G – NR – Base Station (BS) ElectroMagnetic Compatibility (EMC) (3GPP TS 38.113 version 15.11.0 Release 15)	33.070.99	2020-11
ETSI TS 138113 V 16.1.0	5G – NR – Base Station (BS) ElectroMagnetic Compatibility (EMC) (3GPP TS 38.113 version 16.1.0 Release 16)	33.070.99	2020-11



Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 138124 V 15.4.0	5G – NR – Electromagnetic compatibility (EMC) requirements for mobile terminals and ancillary equipment (3GPP TS 38.124 version 15.4.0 Release 15)	33.070.99	2020-11
ETSI TS 138124 V 16.1.0	5G – NR – Electromagnetic compatibility (EMC) requirements for mobile terminals and ancillary equipment (3GPP TS 38.124 version 16.1.0 Release 16)	33.070.99	2020-11
ETSI TS 138141-1 V 15.7.0	5G – NR – Base Station (BS) conformance testing Part 1: Conducted conformance testing (3GPP TS 38.141-1 version 15.7.0 Release 15)	33.070.99	2020-11
ETSI TS 138141-1 V 16.5.0	5G – NR – Base Station (BS) conformance testing Part 1: Conducted conformance testing (3GPP TS 38.141-1 version 16.5.0 Release 16)	33.070.99	2020-11
ETSI TS 138141-2 V 15.7.0	5G – NR – Base Station (BS) conformance testing Part 2: Radiated conformance testing (3GPP TS 38.141-2 version 15.7.0 Release 15)	33.070.99	2020-11
ETSI TS 138141-2 V 16.5.0	5G – NR – Base Station (BS) conformance testing Part 2: Radiated conformance testing (3GPP TS 38.141-2 version 16.5.0 Release 16)	33.070.99	2020-11
ETSI TS 138174 V 16.0.0	5G – NR – Integrated Access and Backhaul (IAB) radio transmission and reception (3GPP TS 38.174 version 16.0.0 Release 16)	33.070.99	2020-11
ETSI TS 138175 V 16.0.0	5G – NR – Integrated Access and Backhaul (IAB) Electromagnetic Compatibility (EMC) (3GPP TS 38.175 version 16.0.0 Release 16)	33.070.99	2020-11
ETSI TS 138202 V 16.2.0	5G – NR – Services provided by the physical layer (3GPP TS 38.202 version 16.2.0 Release 16)	33.070.99	2020-11
ETSI TS 138211 V 16.3.0	5G – NR – Physical channels and modulation (3GPP TS 38.211 version 16.3.0 Release 16)	33.070.99	2020-11
ETSI TS 138212 V 15.10.0	5G – NR – Multiplexing and channel coding (3GPP TS 38.212 version 15.10.0 Release 15)	33.070.99	2020-11
ETSI TS 138212 V 16.3.0	5G – NR – Multiplexing and channel coding (3GPP TS 38.212 version 16.3.0 Release 16)	33.070.99	2020-11
ETSI TS 138213 V 15.11.0	5G – NR – Physical layer procedures for control (3GPP TS 38.213 version 15.11.0 Release 15)	33.070.99	2020-11
ETSI TS 138213 V 16.3.0	5G – NR – Physical layer procedures for control (3GPP TS 38.213 version 16.3.0 Release 16)	33.070.99	2020-11
ETSI TS 138214 V 15.11.0	5G – NR – Physical layer procedures for data (3GPP TS 38.214 version 15.11.0 Release 15)	33.070.99	2020-11
ETSI TS 138214 V 16.3.0	5G – NR – Physical layer procedures for data (3GPP TS 38.214 version 16.3.0 Release 16)	33.070.99	2020-11
ETSI TS 138215 V 16.3.0	5G – NR – Physical layer measurements (3GPP TS 38.215 version 16.3.0 Release 16)	33.070.99	2020-11
ETSI TS 138300 V 15.11.0	5G – NR – NR and NG-RAN Overall description – Stage-2 (3GPP TS 38.300 version 15.11.0 Release 15)	33.070.99	2020-11
ETSI TS 138300 V 16.3.0	5G – NR – NR and NG-RAN Overall description – Stage-2 (3GPP TS 38.300 version 16.3.0 Release 16)	33.070.99	2020-11
ETSI TS 138304 V 16.2.0	5G – NR – User Equipment (UE) procedures in idle mode and in RRC Inactive state (3GPP TS 38.304 version 16.2.0 Release 16)	33.070.99	2020-11
ETSI TS 138305 V 16.2.0	5G – NG Radio Access Network (NG-RAN) – Stage 2 functional specification of User Equipment (UE) positioning in NG-RAN (3GPP TS 38.305 version 16.2.0 Release 16)	33.070.99	2020-11

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 138306 V 15.11.0	5G – NR – User Equipment (UE) radio access capabilities (3GPP TS 38.306 version 15.11.0 Release 15)	33.070.99	2020-11
ETSI TS 138306 V 16.2.0	5G – NR – User Equipment (UE) radio access capabilities (3GPP TS 38.306 version 16.2.0 Release 16)	33.070.99	2020-11
ETSI TS 138307 V 16.4.0	5G – NR – Requirements on User Equipments (UEs) supporting a release-independent frequency band (3GPP TS 38.307 version 16.4.0 Release 16)	33.070.99	2020-11
ETSI TS 138314 V 16.1.0	5G – NR – Layer 2 measurements (3GPP TS 38.314 version 16.1.0 Release 16)	33.070.99	2020-11
ETSI TS 138321 V 15.10.0	5G – NR – Medium Access Control (MAC) protocol specification (3GPP TS 38.321 version 15.10.0 Release 15)	33.070.99	2020-11
ETSI TS 138321 V 16.2.1	5G – NR – Medium Access Control (MAC) protocol specification (3GPP TS 38.321 version 16.2.1 Release 16)	33.070.99	2020-11
ETSI TS 138323 V 15.7.0	5G – NR – Packet Data Convergence Protocol (PDCP) specification (3GPP TS 38.323 version 15.7.0 Release 15)	33.070.99	2020-11
ETSI TS 138323 V 16.2.0	5G – NR – Packet Data Convergence Protocol (PDCP) specification (3GPP TS 38.323 version 16.2.0 Release 16)	33.070.99	2020-11
ETSI TS 138331 V 15.11.0	5G – NR – Radio Resource Control (RRC) – Protocol specification (3GPP TS 38.331 version 15.11.0 Release 15)	33.070.99	2020-11
ETSI TS 138331 V 16.2.0	5G – NR – Radio Resource Control (RRC) – Protocol specification (3GPP TS 38.331 version 16.2.0 Release 16)	33.070.99	2020-11
ETSI TS 138340 V 16.2.0	5G – NR – Backhaul Adaptation Protocol (BAP) specification (3GPP TS 38.340 version 16.2.0 Release 16)	33.070.99	2020-11
ETSI TS 138401 V 15.9.0	5G – NG-RAN – Architecture description (3GPP TS 38.401 version 15.9.0 Release 15)	33.070.99	2020-11
ETSI TS 138401 V 16.3.0	5G – NG-RAN – Architecture description (3GPP TS 38.401 version 16.3.0 Release 16)	33.070.99	2020-11
ETSI TS 138410 V 16.3.0	5G – NG-RAN – NG general aspects and principles (3GPP TS 38.410 version 16.3.0 Release 16)	33.070.99	2020-11
ETSI TS 138412 V 15.5.0	5G – NG-RAN – NG signalling transport (3GPP TS 38.412 version 15.5.0 Release 15)	33.070.99	2020-11
ETSI TS 138412 V 16.1.0	5G – NG-RAN – NG signalling transport (3GPP TS 38.412 version 16.1.0 Release 16)	33.070.99	2020-11
ETSI TS 138413 V 15.9.0	5G – NG-RAN – NG Application Protocol (NGAP) (3GPP TS 38.413 version 15.9.0 Release 15)	33.070.99	2020-11
ETSI TS 138413 V 16.3.0	5G – NG-RAN – NG Application Protocol (NGAP) (3GPP TS 38.413 version 16.3.0 Release 16)	33.070.99	2020-11
ETSI TS 138415 V 16.2.0	5G – NG-RAN – PDU session user plane protocol (3GPP TS 38.415 version 16.2.0 Release 16)	33.070.99	2020-11
ETSI TS 138423 V 15.9.0	5G – NG-RAN – Xn Application Protocol (XnAP) (3GPP TS 38.423 version 15.9.0 Release 15)	33.070.99	2020-11
ETSI TS 138423 V 16.3.0	5G – NG-RAN – Xn Application Protocol (XnAP) (3GPP TS 38.423 version 16.3.0 Release 16)	33.070.99	2020-11
ETSI TS 138425 V 15.7.0	5G – NG-RAN – NR user plane protocol (3GPP TS 38.425 version 15.7.0 Release 15)	33.070.99	2020-11
ETSI TS 138425 V 16.2.0	5G – NG-RAN – NR user plane protocol (3GPP TS 38.425 version 16.2.0 Release 16)	33.070.99	2020-11
ETSI TS 138455 V 16.1.0	5G – NG-RAN – NR Positioning Protocol A (NRPPa) (3GPP TS 38.455 version 16.1.0 Release 16)	33.070.99	2020-11
ETSI TS 138462 V 15.7.0	5G – NG-RAN – E1 signalling transport (3GPP TS 38.462 version 15.7.0 Release 15)	33.070.99	2020-11

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 138462 V 16.1.0	5G – NG-RAN – E1 signalling transport (3GPP TS 38.462 version 16.1.0 Release 16)	33.070.99	2020-11
ETSI TS 138463 V 15.8.0	5G – NG-RAN – E1 Application Protocol (E1AP) (3GPP TS 38.463 version 15.8.0 Release 15)	33.070.99	2020-11
ETSI TS 138463 V 16.3.0	5G – NG-RAN – E1 Application Protocol (E1AP) (3GPP TS 38.463 version 16.3.0 Release 16)	33.070.99	2020-11
ETSI TS 138470 V 16.3.0	5G – NG-RAN – F1 general aspects and principles (3GPP TS 38.470 version 16.3.0 Release 16)	33.070.99	2020-11
ETSI TS 138472 V 15.7.0	5G – NG-RAN – F1 signalling transport (3GPP TS 38.472 version 15.7.0 Release 15)	33.070.99	2020-11
ETSI TS 138472 V 16.1.0	5G – NG-RAN – F1 signalling transport (3GPP TS 38.472 version 16.1.0 Release 16)	33.070.99	2020-11
ETSI TS 138473 V 15.11.1	5G – NG-RAN – F1 Application Protocol (F1AP) (3GPP TS 38.473 version 15.11.1 Release 15)	33.070.99	2020-11
ETSI TS 138473 V 16.3.1	5G – NG-RAN – F1 Application Protocol (F1AP) (3GPP TS 38.473 version 16.3.1 Release 16)	33.070.99	2020-11
ETSI TS 138508-2 V 16.5.0	5G – 5GS – User Equipment (UE) conformance specification – Part 2: Common Implementation Conformance Statement (ICS) proforma (3GPP TS 38.508-2 version 16.5.0 Release 16)	33.070.99	2020-11
ETSI TS 138509 V 15.9.0	5G – 5GS – Special conformance testing functions for User Equipment (UE) (3GPP TS 38.509 version 15.9.0 Release 15)	33.070.99	2020-11
ETSI TS 138521-3 V 16.5.0	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 16.5.0 Release 16)	33.070.99	2020-11
ETSI TS 138521-4 V 16.5.0	5G – NR – User Equipment (UE) conformance specification – Radio transmission and reception – Part 4: Performance (3GPP TS 38.521-4 version 16.5.0 Release 16)	33.070.99	2020-11
ETSI TS 138522 V 16.5.0	5G – NR – User Equipment (UE) conformance specification – Applicability of radio transmission, radio reception and radio resource management test cases (3GPP TS 38.522 version 16.5.0 Release 16)	33.070.99	2020-11
ETSI TS 138523-2 V 16.5.0	5G – 5GS – User Equipment (UE) conformance specification – Part 2: Applicability of protocol test cases (3GPP TS 38.523-2 version 16.5.0 Release 16)	33.070.99	2020-11
ETSI TR 138901 V 16.1.0	5G – Study on channel model for frequencies from 0.5 to 100 GHz (3GPP TR 38.901 version 16.1.0 Release 16)	33.070.99	2020-11
ETSI TR 138903 V 16.5.0	5G – NR – Derivation of test tolerances and measurement uncertainty for User Equipment (UE) conformance test cases (3GPP TR 38.903 version 16.5.0 Release 16)	33.070.99	2020-11
ETSI TR 138905 V 16.5.0	5G – NR – Derivation of test points for radio transmission and reception User Equipment (UE) conformance test cases (3GPP TR 38.905 version 16.5.0 Release 16)	33.070.99	2020-11
ETSI TS 146007 V 16.0.1	Digital cellular telecommunications system (Phase 2+) (GSM) – Half rate speech – Test sequences for the GSM half rate speech codec (3GPP TS 46.007 version 16.0.1 Release 16)	33.070.50	2020-11
ETSI TS 146021 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Half rate speech – Substitution and muting of lost frames for half rate speech traffic channels (3GPP TS 46.021 version 16.0.0 Release 16)	33.070.50	2020-11

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 151010-4 V 15.3.0	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 15.3.0 Release 15)	33.070.50	2020-11
ETSI TS 151010-4 V 16.1.0	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 16.1.0 Release 16)	33.070.50	2020-11
ETSI TS 151013 V 15.1.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Test specification for Subscriber Identity Module (SIM) Application Programming Interface (API) for Java Card (3GPP TS 51.013 version 15.1.0 Release 15)	33.070.50	2020-11
ETSI TS 151013 V 16.1.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Test specification for Subscriber Identity Module (SIM) Application Programming Interface (API) for Java Card (3GPP TS 51.013 version 16.1.0 Release 16)	33.070.50	2020-11
ETSI EG 203647 V 1.1.1	Methods for Testing and Specification (MTS) – Methodology for RESTful APIs specifications and testing	33.020; 35.080	2020-11
ETSI GR NFV-REL 011 V 1.1.1	Network Functions Virtualisation (NFV) – Management and Orchestration – Report on NFV-MANO software modification	35.110	2020-11
ETSI GR PDL 002 V 1.1.1	Permissioned Distributed Ledger (PDL) – Applicability and compliance to data processing requirements	35.240.99	2020-11
ETSI GS NFV-IFA 010 V 4.1.1	Network Functions Virtualisation (NFV) Release 4 – Management and Orchestration – Functional requirements specification	33.040.40; 35.110	2020-11
ETSI GS NFV-IFA 011 V 4.1.1	Network Functions Virtualisation (NFV) Release 4 – Management and Orchestration – VNF Descriptor and Packaging Specification	33.040.40; 35.110	2020-11
ETSI GS NFV-IFA 040 V 4.1.1	Network Functions Virtualisation (NFV) Release 4 – Management and Orchestration – Requirements for service interfaces and object model for OS container management and orchestration specification	35.110	2020-11



## Međunarodna normizacija (ISO)

Oznaka norme	Naslov norme	ICS	Datum objave
IWA 35	Quality of learning environments for students in healthcare professions – Requirements for healthcare education providers in care settings	03.180; 11.020.10	2020-11
ISO 230-3	Test code for machine tools – Part 3: Determination of thermal effects	25.080.01	2020-11
ISO 1833-3	Textiles – Quantitative chemical analysis – Part 3: Mixtures of acetate with certain other fibres (method using acetone)	59.060.01	2020-11
ISO 2834-1	Graphic technology – Laboratory preparation of test prints – Part 1: Paste inks	87.080	2020-11
ISO 5667-10	Water quality – Sampling – Part 10: Guidance on sampling of waste water	13.060.30	2020-11
ISO 6926 AMD 1	Acoustics – Requirements for the performance and calibration of reference sound sources used for the determination of sound power levels; Amendment 1	17.140.01	2020-11
ISO 7010 AMD 2	Graphical symbols – Safety colours and safety signs – Registered safety signs; Amendment 2	01.080.10; 01.080.20	2020-11
ISO 7195	Nuclear energy – Packagings for the transport of uranium hexafluoride (UF <sub>6</sub> )	27.120.30	2020-11
ISO 9772	Cellular plastics – Determination of horizontal burning characteristics of small specimens subjected to a small flame	13.220.40; 83.100	2020-11
ISO 10303-238	Industrial automation systems and integration – Product data representation and exchange – Part 238: Application protocol: Model based integrated manufacturing	25.040.40; 35.240.50	2020-11
ISO 10667-1	Assessment service delivery – Procedures and methods to assess people in work and organizational settings – Part 1: Requirements for the client	03.080.30	2020-11
ISO 10667-2	Assessment service delivery – Procedures and methods to assess people in work and organizational settings – Part 2: Requirements for service providers	03.080.30	2020-11
ISO 11119-1	Gas cylinders – Design, construction and testing of refillable composite gas cylinders and tubes – Part 1: Hoop wrapped fibre reinforced composite gas cylinders and tubes up to 450 l	23.020.35	2020-11
ISO 11119-2	Gas cylinders – Design, construction and testing of refillable composite gas cylinders and tubes – Part 2: Fully wrapped fibre reinforced composite gas cylinders and tubes up to 450 l with load-sharing metal liners	23.020.35	2020-11
ISO 11119-3	Gas cylinders – Design, construction and testing of refillable composite gas cylinders and tubes – Part 3: Fully wrapped fibre reinforced composite gas cylinders and tubes up to 450 l with non-load-sharing metallic or non-metallic liners or without liners	23.020.35	2020-11
ISO 11171	Hydraulic fluid power – Calibration of automatic particle counters for liquids	23.100.60	2020-11
ISO 11433	Nickel alloys – Determination of titanium content – Diantipyrylmethane molecular absorption method	77.120.40	2020-11
ISO 12215-7	Small craft – Hull construction and scantlings – Part 7: Determination of loads for multihulls and of their local scantlings using ISO 12215-5	47.080	2020-11
ISO 12215-10	Small craft – Hull construction and scantlings – Part 10: Rig loads and rig attachment in sailing craft	47.080	2020-11
ISO 12749-6	Nuclear energy, nuclear technologies, and radiological protection – Vocabulary – Part 6: Nuclear medicine	01.040.11; 01.040.13; 11.020.20; 13.280	2020-11

Oznaka norme	Naslov norme	ICS	Datum objave
ISO 12856-2	Railway applications – Polymeric composite sleepers, bearers and transoms – Part 2: Product testing	45.080; 83.140.99	2020-11
ISO 12967-1	Health informatics – Service architecture (HISA) – Part 1: Enterprise viewpoint	35.240.80	2020-11
ISO 12967-2	Health informatics – Service architecture (HISA) – Part 2: Information viewpoint	35.240.80	2020-11
ISO 12967-3	Health informatics – Service architecture (HISA) – Part 3: Computational viewpoint	35.240.80	2020-11
ISO 13007-6	Ceramic tiles – Grouts and adhesives – Part 6: Requirements, test methods, evaluation of conformity, classification and designation for waterproof membranes used with the installation of ceramic tiles	91.100.10; 91.100.23	2020-11
ISO 13143-1	Electronic fee collection – Evaluation of on-board and roadside equipment for conformity to ISO 12813 – Part 1: Test suite structure and test purposes	03.220.20; 35.240.60	2020-11
ISO 14571	Metallic coatings on non-metallic basis materials – Measurement of coating thickness – Micro-resistivity method	25.220.40	2020-11
ISO 14820-3	Fertilizers and liming materials – Sampling and sample preparation – Part 3: Sampling of static heaps	65.080	2020-11
ISO 15156-1	Petroleum and natural gas industries – Materials for use in H <sub>2</sub> S-containing environments in oil and gas production – Part 1: General principles for selection of cracking-resistant materials	75.180.01	2020-11
ISO 15156-2	Petroleum and natural gas industries – Materials for use in H <sub>2</sub> S-containing environments in oil and gas production – Part 2: Cracking-resistant carbon and low-alloy steels, and the use of cast irons	75.180.01	2020-11
ISO 15156-3	Petroleum and natural gas industries – Materials for use in H <sub>2</sub> S-containing environments in oil and gas production – Part 3: Cracking-resistant CRAs (corrosion-resistant alloys) and other alloys	75.180.01	2020-11
ISO 15500-4	Road vehicles – Compressed natural gas (CNG) fuel system components – Part 4: Manual valve	43.060.40	2020-11
ISO 15500-5	Road vehicles – Compressed natural gas (CNG) fuel system components – Part 5: Manual cylinder valve	43.060.40	2020-11
ISO 15841 AMD 1	Dentistry – Wires for use in orthodontics; Amendment 1	11.060.10	2020-11
ISO 15875-2 AMD 2	Plastics piping systems for hot and cold water installations – Crosslinked polyethylene (PE-X) – Part 2: Pipes; Amendment 2	23.040.20; 91.140.60	2020-11
ISO 15877-5 AMD 2	Plastics piping systems for hot and cold water installations – Chlorinated poly(vinyl chloride) (PVC-C) – Part 5: Fitness for purpose of the system; Amendment 2	23.040.20; 91.140.60	2020-11
ISO 15930-9	Graphic technology – Prepress digital data exchange using PDF – Part 9: Complete exchange of printing data (PDF/X-6) and partial exchange of printing data with external profile reference (PDF/X-6p and PDF/X-6n) using PDF 2.0	35.240.30; 37.100.99	2020-11
ISO 16000-28	Indoor air – Part 28: Determination of odour emissions from building products using test chambers	13.040.20	2020-11
ISO 16417	Earth-moving machinery – Hydraulic breakers – Terminology and commercial specifications	01.040.53; 53.100	2020-11
ISO 17254 AMD 1	Dentistry – Coiled springs for use in orthodontics; Amendment 1	11.060.10	2020-11

Oznaka norme	Naslov norme	ICS	Datum objave
ISO/TR 17534-4	Acoustics – Software for the calculation of sound outdoors – Part 4: Recommendations for a quality assured implementation of the COMMISSION DIRECTIVE (EU) 2015/996 in software according to ISO 17534-1	17.140.01	2020-11
ISO 18561-1	Intelligent transport systems (ITS) – Urban mobility applications via nomadic device for green transport management – Part 1: General requirements for data exchange between ITS stations	03.220.01; 35.240.60	2020-11
ISO/TS 18621-21	Graphic technology – Image quality evaluation methods for printed matter – Part 21: Measurement of 1D distortions of macroscopic uniformity utilizing scanning spectrophotometers	37.100.10	2020-11
ISO 18775	Veneers – Terms and definitions, determination of physical characteristics and tolerances	01.040.79; 79.060.01	2020-11
ISO 19005-4	Document management – Electronic document file format for long-term preservation – Part 4: Use of ISO 32000-2 (PDF/A-4)	35.240.30; 37.100.99	2020-11
ISO 19115-1 AMD 2	Geographic information – Metadata – Part 1: Fundamentals; Amendment 2	35.240.70	2020-11
ISO 19206-4	Road vehicles – Test devices for target vehicles, vulnerable road users and other objects, for assessment of active safety functions – Part 4: Requirements for bicyclist targets	43.020	2020-11
ISO 19902	Petroleum and natural gas industries – Fixed steel offshore structures	75.180.10	2020-11
ISO 19942 AMD 1	Maize ( <i>Zea mays</i> L.) – Specification – Amendment 1: Feed maize	67.060	2020-11
ISO 20414	Fire safety engineering – Verification and validation protocol for building fire evacuation models	13.220.01	2020-11
ISO 20524-2	Intelligent transport systems – Geographic Data Files (GDF) GDF5.1 – Part 2: Map data used in automated driving systems, Cooperative ITS, and multi-modal transport	03.220.20; 35.240.60	2020-11
ISO 21051	Construction and installation of ductile iron pipeline system	23.040.10	2020-11
ISO/TS 21354	Measurement of multiphase fluid flow	75.180.30	2020-11
ISO 21470	Infant formula and adult nutritionals – Simultaneous determination of total vitamins B1, B2, B3 and B6 – Enzymatic digestion and LC-MS/MS	67.050	2020-11
ISO 21597-2	Information container for linked document delivery – Exchange specification – Part 2: Link types	35.240.67; 91.010.01	2020-11
ISO 21632 AMD 1	Graphic technology – Determination of the energy consumption of digital printing devices including transitional and related modes; Amendment 1	37.100.10	2020-11
ISO 21663	Solid recovered fuels – Methods for the determination of carbon (C), hydrogen (H), nitrogen (N) and sulphur (S) by the instrumental method	75.160.10	2020-11
ISO 21709	Biotechnology – Biobanking – Process and quality requirements for establishment, maintenance and characterization of mammalian cell lines	07.080	2020-11
ISO 21710	Biotechnology – Specification on data management and publication in microbial resource centers	07.080	2020-11
ISO 21716-1	Ships and marine technology – Bioassay methods for screening anti-fouling paints – Part 1: General requirements	13.020.99; 47.020.99	2020-11
ISO 21716-2	Ships and marine technology – Bioassay methods for screening anti-fouling paints – Part 2: Barnacles	13.020.99; 47.020.99	2020-11

Oznaka norme	Naslov norme	ICS	Datum objave
ISO 21716-3	Ships and marine technology – Bioassay methods for screening anti-fouling paints – Part 3: Mussels	13.020.99; 47.020.99	2020-11
ISO 21741	Stationary source emissions – Sampling and determination of mercury compounds in flue gas using gold amalgamation trap	13.040.40	2020-11
ISO 21860	Health Informatics – Reference standards portfolio (RSP) – Clinical imaging	35.240.80	2020-11
ISO 21863	Water quality – Determination of alkylmercury compounds in water – Method using gas chromatography-mass spectrometry (GC-MS) after phenylation and solvent extraction	13.060.50	2020-11
ISO 22043	Ice-cream freezers – Classification, requirements and test conditions	97.130.20	2020-11
ISO 22065	Workplace air – Gases and vapours – Requirements for evaluation of measuring procedures using pumped samplers	13.040.30	2020-11
ISO 22248	Lasers and laser-related equipment – Test methods for laser-induced damage threshold – Classification of medical beam delivery systems	31.260	2020-11
ISO 22290	Non-destructive testing – Infrared thermographic testing – General principles for thermoelastic stress measuring method	19.100	2020-11
ISO 22328-1	Security and resilience – Emergency management – Part 1: General guidelines for the implementation of a community-based disaster early warning system	03.100.01	2020-11
ISO 22391-2 AMD 1	Plastics piping systems for hot and cold water installations – Polyethylene of raised temperature resistance (PE-RT) – Part 2: Pipes; Amendment 1	23.040.20; 91.140.60; 93.025	2020-11
ISO 22561	Gasoline engines with direct fuel injection (GDI engines) – Installation of the injectors to the engine	43.060.40	2020-11
ISO 22590	Traditional Chinese medicine – Determination of sulfur dioxide in natural products by titration	11.120.10	2020-11
ISO 22887	Determination of total sulfur in fertilizers by high temperature combustion	65.080	2020-11
ISO 23226	Corrosion of metals and alloys – Guidelines for the corrosion testing of metals and alloys exposed in deep-sea water	77.060	2020-11
ISO 23243	Non-destructive testing – Ultrasonic testing with arrays – Vocabulary	01.040.19; 19.100	2020-11
ISO 23324	Surface active agents – Fabric conditioners – Determination of antistatic performance	71.100.40	2020-11
ISO/TR 23383	Textiles and textile products – Smart (Intelligent) textiles- Definitions, categorisation, applications and standardization needs	01.040.59; 59.060.01	2020-11
ISO 23472-2	Foundry machinery – Vocabulary – Part 2: Molding and coremaking machines and other equipment related to non-permanent mold casting process	01.040.25; 01.040.77; 25.120.30; 77.180	2020-11
ISO 23493	Welding and allied processes – Process specification for laser-arc hybrid welding for metallic materials	25.160.01	2020-11
ISO 23977-1	Plastics – Determination of the aerobic biodegradation of plastic materials exposed to seawater – Part 1: Method by analysis of evolved carbon dioxide	83.080.01	2020-11
ISO 23977-2	Plastics – Determination of the aerobic biodegradation of plastic materials exposed to seawater – Part 2: Method by measuring the oxygen demand in closed respirometer	83.080.01	2020-11



Oznaka norme	Naslov norme	ICS	Datum objave
ISO 24261-1	Fine bubble technology – Elimination method for sample characterization – Part 1: Evaluation procedure	07.030	2020-11
ISO 24266	Footwear – Test methods for whole shoe – Flexing durability	61.060	2020-11
ISO/TR 24464	Automation systems and integration – Industrial data – Visualization elements of digital twins	25.040.40; 35.240.50	2020-11
ISO 26623-1	Polygonal taper interface with flange contact surface – Part 1: Dimensions and designation of shanks	25.060.20	2020-11
ISO 56005	Innovation management – Tools and methods for intellectual property management – Guidance	03.100.01; 03.100.40; 03.140	2020-11

## Međunarodna normizacija (IEC)

Oznaka norme	Naslov norme	ICS	Datum objave
IEC/TS 60034-34	Rotating electrical machines – Part 34: AC adjustable speed rolling mill motors	29.160.01; 29.160.30	2020-11
IEC 60076-10-1 AMD 1	Power transformers – Part 10-1: Determination of sound levels – Application guide; Amendment 1	17.140.20; 29.180	2020-11
IEC 60076-10-1 Edition 2.1	Power transformers – Part 10-1: Determination of sound levels – Application guide	17.140.20; 29.180	2020-11
IEC 60172	Test procedure for the determination of the temperature index of enamelled and tape wrapped winding wires	29.060.10	2020-11
IEC 60384-13	Fixed capacitors for use in electronic equipment – Part 13: Sectional specification – Fixed polypropylene film dielectric metal foil DC capacitors	31.060.30	2020-11
IEC 60794-2-11 AMD 1	Optical fibre cables – Part 2-11: Indoor cables – Detailed specification for simplex and duplex cables for use in premises cabling; Amendment 1	33.180.10	2020-11
IEC 60794-2-11 Edition 3.1	Optical fibre cables – Part 2-11: Indoor cables – Detailed specification for simplex and duplex cables for use in premises cabling	33.180.10	2020-11
IEC 60794-2-21 AMD 1	Optical fibre cables – Part 2-21: Indoor cables – Detailed specification for multi-fibre optical distribution cables for use in premises cabling; Amendment 1	33.180.10	2020-11
IEC 60794-2-21 Edition 3.1	Optical fibre cables – Part 2-21: Indoor cables – Detailed specification for multi-fibre optical distribution cables for use in premises cabling	33.180.10	2020-11
IEC 60794-2-31 AMD 1	Optical fibre cables – Part 2-31: Indoor cables – Detailed specification for optical fibre ribbon cables for use in premises cabling; Amendment 1	33.180.10	2020-11
IEC 60794-2-31 Edition 3.1	Optical fibre cables – Part 2-31: Indoor cables – Detailed specification for optical fibre ribbon cables for use in premises cabling	33.180.10	2020-11
IEC/TR 60904-14	Photovoltaic devices – Part 14: Guidelines for production line measurements of single-junction PV module maximum power output and reporting at standard test conditions	27.160	2020-11
IEC 61010-2-202	Safety requirements for electrical equipment for measurement, control and laboratory use – Part 2-202: Particular requirements for electrically operated valve actuators	13.110; 17.020; 19.020; 25.040.40	2020-11
IEC 61083-3	Instruments and software used for measurement in high-voltage and high-current tests – Part 3: Requirements for hardware for tests with alternating and direct voltages and currents	17.220.20; 19.080	2020-11
IEC 61228	Fluorescent ultraviolet lamps used for tanning – Measurement and specification method	17.240; 29.140.01; 29.140.30; 97.170	2020-11
	Wind energy generation systems – Part 6: Tower and foundation design requirements; Corrigendum 1	27.180	2020-11
IEC 61810-4	Electromechanical elementary relays – Part 4: General and safety requirements for reed relays	29.120.70	2020-11
IEC 61850-4 AMD 1	Communication networks and systems for power utility automation – Part 4: System and project management; Amendment 1	33.040.40; 33.200	2020-11
IEC 61850-4 Edition 2.1	Communication networks and systems for power utility automation – Part 4: System and project management	33.040.40; 33.200	2020-11
IEC/TR 61850-90-3 Corrigendum 1	Communication networks and systems for power utility automation – Part 90-3: Using IEC 61850 for condition monitoring diagnosis and analysis; Corrigendum 1	33.040.40	2020-11

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IEC 61980-1	Electric vehicle wireless power transfer (WPT) systems – Part 1: General requirements	43.120	2020-11
IEC 62109-3 Corrigendum 1	Safety of power converters for use in photovoltaic power systems – Part 3: Particular requirements for electronic devices in combination with photovoltaic elements; Corrigendum 1	27.160; 29.200	2020-11
IEC 62325-451-10	Framework for energy market communications – Part 451-10: Profiles for Energy Consumption Data (“My Energy Data”)	27.010; 33.200; 35.240.50; 35.240.63	2020-11
IEC 62485-5	Safety requirements for secondary batteries and battery installations – Part 5: Safe operation of stationary lithium ion batteries	29.220.20; 29.220.30	2020-11
IEC/TR 62541-1	OPC unified architecture – Part 1: Overview and concepts	25.040.40; 35.100.01; 35.200; 35.240.50	2020-11
IEC/TR 62541-2	OPC unified architecture – Part 2: Security Model	25.040.40; 35.100.01; 35.200; 35.240.50	2020-11
IEC 62552-1 AMD 1	Household refrigerating appliances – Characteristics and test methods – Part 1: General requirements; Amendment 1	97.030; 97.040.30	2020-11
IEC 62552-1 Edition 1.1	Household refrigerating appliances – Characteristics and test methods – Part 1: General requirements	97.030; 97.040.30	2020-11
IEC 62552-2 AMD 1	Household refrigerating appliances – Characteristics and test methods – Part 2: Performance requirements; Amendment 1	97.030; 97.040.30	2020-11
IEC 62552-2 Edition 1.1	Household refrigerating appliances – Characteristics and test methods – Part 2: Performance requirements	97.030; 97.040.30	2020-11
IEC 62552-3 AMD 1	Household refrigerating appliances – Characteristics and test methods – Part 3: Energy consumption and volume; Amendment 1	97.030; 97.040.30	2020-11
IEC 62552-3 Edition 1.1	Household refrigerating appliances – Characteristics and test methods – Part 3: Energy consumption and volume	97.030; 97.040.30	2020-11
IEC 62714-4 Corrigendum 1	Engineering data exchange format for use in industrial automation systems engineering – Automation markup language – Part 4: Logic; Corrigendum 1	25.040.40; 35.060; 35.240.50	2020-11
IEC 62769-101-1	Field device integration (FDI) – Part 101-1: Profiles – Foundation Fieldbus H1	25.040.40; 35.100.05; 35.240.50	2020-11
IEC 62769-101-2	Field device integration (FDI) – Part 101-2: Profiles – Foundation Fieldbus HSE	25.040.40; 35.100.05; 35.240.50	2020-11
IEC/TS 62836	Measurement of internal electric field in insulating materials – Pressure wave propagation method	17.220.20; 17.220.99; 29.035.01	2020-11
IEC 62841-4-3	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 4-3: Particular requirements for pedestrian controlled walk-behind lawnmowers	65.060.70	2020-11
IEC 62841-4-4	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 4-4: Particular requirements for lawn trimmers, lawn edge trimmers, grass trimmers, brush cutters and brush saws	65.060.70	2020-11
IEC 62873-1 AMD 1	Residual current operated circuit-breakers for household and similar use – Part 1: Outline of blocks and modules for residual current device standards; Amendment 1	29.120.50	2020-11

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IEC 62873-1 Edition 1.1	Residual current operated circuit-breakers for household and similar use – Part 1: Outline of blocks and modules for residual current device standards	29.120.50	2020-11
IEC 62873-3-1	Residual current operated circuit-breakers for household and similar use – Part 3-1: Particular requirements for devices with screwless-type terminals for external copper conductors	29.120.50	2020-11
IEC 62873-3-2	Residual current operated circuit-breakers for household and similar use – Part 3-2: Particular requirements for devices with flat quick-connect terminations	29.120.50	2020-11
IEC 62893-1 AMD 1	Charging cables for electric vehicles for rated voltages up to and including 0,6/1 KV – Part 1: General requirements; Amendment 1	29.060.20; 43.120	2020-11
IEC 62893-1 Edition 1.1	Charging cables for electric vehicles for rated voltages up to and including 0,6/1 KV – Part 1: General requirements	29.060.20; 43.120	2020-11
IEC/TR 63043	Renewable energy power forecasting technology	27.190; 29.020	2020-11
IEC 63048	Mobile remotely controlled systems for nuclear and radiological applications – General requirements	25.040.30; 27.120.01; 27.120.20	2020-11
IEC/TS 63106-1	Simulators used for testing of photovoltaic power conversion equipment – Recommendations – Part 1: AC power simulators	27.160	2020-11
IEC 63193	Lead-acid batteries for propulsion power of lightweight vehicles – General requirements and methods of test	29.220.20; 43.120	2020-11
IEC 63240-1	Active assisted living (AAL) reference architecture and architecture model – Part 1: Reference architecture	11.020.99; 11.180.01; 97.120	2020-11
IEC 63240-2	Active assisted living (AAL) reference architecture and architecture model – Part 2: Architecture model	11.020.99; 11.180.01; 97.120	2020-11
IEC/TR 63282	LVDC systems – Assessment of standard voltages and power quality requirements	29.020; 29.240.01	2020-11
IEC/TR 63307	Measurement methods of the complex relative permeability and permittivity of noise suppression sheet	29.100.20	2020-11
ISO/IEC 10373-6 AMD 2	Cards and security devices for personal identification – Test methods – Part 6: Contactless proximity objects – Amendment 2: Enhancements for harmonization	35.240.15	2020-11
ISO/IEC 11770-5	Information security – Key management – Part 5: Group key management	35.030	2020-11
ISO/IEC TR 15944-14	Information technology – Business operational view – Part 14: Open-edi reference model and cloud computing architecture	35.240.63	2020-11
ISO/IEC 19772	Information security – Authenticated encryption	35.030	2020-11
ISO/IEC 23008-3 AMD 2	Information technology – High efficiency coding and media delivery in heterogeneous environments – Part 3: 3D audio – Amendment 2: 3D Audio baseline profile, corrections and improvements	35.040.40	2020-11
ISO/IEC 23008-12 AMD 1	Information technology – High efficiency coding and media delivery in heterogeneous environments – Part 12: Image File Format – Amendment 1: Support for predictive image coding, bursts, bracketing and other improvements	35.040.40	2020-11
ISO/IEC 23092-5	Information technology – Genomic information representation – Part 5: Conformance	35.040.99	2020-11
ISO/IEC 24643	Architecture for a distributed real-time access system	35.020	2020-11



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ISO/IEC TR 29119-11	Software and systems engineering – Software testing – Part 11: Guidelines on the testing of AI-based systems	35.080	2020-11
ISO/IEC 30106-2	Information technology – Object oriented BioAPI – Part 2: Java implementation	35.240.15	2020-11
ISO/IEC 30106-3	Information technology – Object oriented BioAPI – Part 3: C# implementation	35.240.15	2020-11
ISO/TS 80004-3	Nanotechnologies – Vocabulary – Part 3: Carbon nano-objects	01.040.07; 07.120	2020-11
ISO/TS 80004-8	Nanotechnologies – Vocabulary – Part 8: Nanomanufacturing processes	01.040.07; 07.120	2020-11
ISO 80601-2-69	Medical electrical equipment – Part 2-69: Particular requirements for the basic safety and essential performance of oxygen concentrator equipment	11.040.10	2020-11
ISO 80601-2-70	Medical electrical equipment – Part 2-70: Particular requirements for the basic safety and essential performance of sleep apnoea breathing therapy equipment	11.040.10	2020-11