

# Hrvatski zavod za norme

## Oglasnik za normativne dokumente

6/2022

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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 12259-14:2022 en pr  
Stabilni protupožarni sustavi – Dijelovi sustava za prskanje (sprinkler sustava) i sustava raspršene vode – 14. dio: Sprinkleri za stambene prostore (EN 12259-14:2020+A1:2022)  
Fixed firefighting systems – Components for sprinkler and water spray systems – Part 14: Sprinklers for residential applications (EN 12259-14:2020+A1:2022)

### HZN/TO 22, Cestovna vozila

HRN EN ISO 15118-20:2022 en pr  
Cestovna vozila – Komunikacijsko sučelje između vozila i električne mreže – 20. dio: Zahtjevi za mrežni sloj 2. generacije i aplikacijski sloj (ISO 15118-20:2022; EN ISO 15118-20:2022)  
Road vehicles – Vehicle to grid communication interface – Part 20: 2nd generation network layer and application layer requirements (ISO 15118-20:2022; EN ISO 15118-20:2022)

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

HRN EN ISO 4254-17:2022 en pr  
Poljoprivredna mehanizacija – Sigurnost – 17. dio: Kombajni za korjenasto bilje (ISO 4254-17:2022; EN ISO 4254-17:2022)  
Agricultural machinery – Safety – Part 17: Root crop harvesters (ISO 4254-17:2022; EN ISO 4254-17:2022)

HRN EN ISO 11681-1:2022 en pr  
Šumarska mehanizacija – Sigurnosni zahtjevi i ispitivanje motornih pila lančanica – 1. dio: Motorne pile lančanice za šumarsku praksu (ISO 11681-1:2022; EN ISO 11681-1:2022)  
Machinery for forestry – Portable chain-saw safety requirements and testing – Part 1: Chain-saws for forest service (ISO 11681-1:2022; EN ISO 11681-1:2022)

HRN EN ISO 11681-2:2022 en pr  
Šumarska mehanizacija – Sigurnosni zahtjevi i ispitivanje motornih pila lančanica – 2. dio: Motorne pile lančanice za njegu stabala (ISO 11681-2:2022; EN ISO 11681-2:2022)  
Machinery for forestry – Portable chain-saw safety requirements and testing – Part 2: Chain-saws for tree service (ISO 11681-2:2022; EN ISO 11681-2:2022)

HRN EN ISO 11850:2013/A2:2022 en pr  
Šumarska mehanizacija – Opći sigurnosni zahtjevi – Amandman 2: Pristup mjestu rukovatelja i održavanje prostora (ISO 11850:2011/Amd 2:2022; EN ISO 11850:2011/A2:2022)  
Machinery for forestry – General safety requirements – Amendment 2: Access to operator's station and maintenance locations (ISO 11850:2011/Amd 2:2022; EN ISO 11850:2011/A2:2022)

### HZN/TO 43, Akustika

HRN EN ISO 17201-6:2022 en pr  
Akustika – Buka streljana – 6. dio: Mjerenja zvučnoga tlaka blizu izvora radi određivanja izloženosti zvuku (ISO 17201-6:2021; EN ISO 17201-6:2022)  
Acoustics – Noise from shooting ranges – Part 6: Sound pressure measurements close to the source for determining exposure to sound (ISO 17201-6:2021; EN ISO 17201-6:2022)

HRN EN ISO 26101-1:2022 en pr  
Akustika – Metode ispitivanja primjerenosti akustičkog okruženja – 1. dio: Primjerenost okruženja sa slobodnim zvučnim poljem (ISO 26101-1:2021; EN ISO 26101-1:2022)  
Acoustics – Test methods for the qualification of the acoustic environment – Part 1: Qualification of free-field environments (ISO 26101-1:2021; EN ISO 26101-1:2022)

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

HRN EN ISO 17405:2022 en pr  
Nerazorno ispitivanje – Ultrazvučno ispitivanje – Tehnika ispitivanja obloga dobivenih zavarivanjem, valjanjem i eksplozijom (ISO 17405:2022; EN ISO 17405:2022)  
Non-destructive testing – Ultrasonic testing – Technique of testing claddings produced by welding, rolling and explosion (ISO 17405:2022; EN ISO 17405:2022)

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

HRN EN ISO 10079-2:2022 en pr  
Medicinska usisna oprema – 2. dio: Ručno pogonjena usisna oprema (ISO 10079-2:2022; EN ISO 10079-2:2022)  
Medical suction equipment – Part 2: Manually powered suction equipment (ISO 10079-2:2022; EN ISO 10079-2:2022)

HRN EN ISO 10079-3:2022 en pr  
Medicinska usisna oprema – 3. dio: Usisna oprema pogonjena vakuumom ili stlačenim plinom (ISO 10079-3:2022; EN ISO 10079-3:2022)  
Medical suction equipment – Part 3: Suction equipment powered from a vacuum or positive pressure gas source (ISO 10079-3:2022; EN ISO 10079-3:2022)

### HZN/TO 136, Namještaj

HRN EN 14749:2022 en pr  
Namještaj – Kućni i kuhinjski elementi za pohranu i kuhinjske radne ploče – Sigurnosni zahtjevi i metode ispitivanja (EN 14749:2016+A1:2022)  
Furniture – Domestic and kitchen storage units and kitchen-worktops – Safety requirements and test methods (EN 14749:2016+A1:2022)

### HZN/TO 146, Kvaliteta zraka

HRN EN ISO 23320:2022 en pr  
Zrak u radnom prostoru – Plinovi i pare – Zahtjevi za vrednovanje mjernih postupaka u kojima se upotrebljavaju difuzni uzorkivači (ISO 23320:2022; EN ISO 23320:2022)  
Workplace air – Gases and vapours – Requirements for evaluation of measuring procedures using diffusive samplers (ISO 23320:2022; EN ISO 23320:2022)

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

HRN ISO 9211-4:2022 en pr  
Optika i fotonika – Optički slojevi – 4. dio: Posebne metode ispitivanja: abrazija, prijanjanje i otpornost na vodu (ISO 9211-4:2022)  
Optics and photonics – Optical coatings – Part 4: Specific test methods: abrasion, adhesion and resistance to water (ISO 9211-4:2022)

HRN ISO 10934:2022 en pr  
Mikroskopi – Terminološki rječnik optičke mikroskopije (ISO 10934:2020)  
Microscopes – Vocabulary for light microscopy (ISO 10934:2020)

HRN ISO 14132-3:2022 en pr  
Optika i fotonika – Rječnik naziva za dalekozorne sustave – 3. dio: Nazivlje za optičke ciljnice (ISO 14132-3:2021)  
Optics and photonics – Vocabulary for telescopic systems – Part 3: Terms for telescopic sights (ISO 14132-3:2021)

### HZN/TO 178, Dizala, pokretne stube i pokretne trake za osobe

HRN EN 81-21:2022 en pr  
Sigurnosna pravila za konstrukciju i ugradnju dizala – Dizala za transport osoba i tereta – 21. dio: Nova osobna dizala i osobna teretna dizala u postojećim zgradama (EN 81-21:2022)  
Safety rules for the construction and installation of lifts – Lifts for the transport of persons and goods – Part 21: New passenger and goods passenger lifts in existing building (EN 81-21:2022)

HRN EN 81-58:2022 en pr  
Sigurnosna pravila za konstrukciju i ugradnju dizala – Pregledavanje i ispitivanje – 58. dio: Vrata voznog okna, ispitivanje vatrootpornosti (EN 81-58:2022)  
Safety rules for the construction and installation of lifts – Examination and tests – Part 58: Landing doors fire resistance test (EN 81-58:2022)

HRN EN 81-71:2022 en pr  
Sigurnosna pravila za konstrukciju i ugradnju dizala – Posebna primjena za osobna dizala i osobna teretna dizala – 71. dio: Dizala otporna na vandalsko ponašanje (EN 81-71:2022)  
Safety rules for the construction and installation of lifts – Particular applications to passenger lifts and goods passenger lifts – Part 71: Vandal resistant lifts (EN 81-71:2022)

HRN EN 81-77:2022 en pr  
Sigurnosna pravila za konstrukciju i ugradnju dizala – Posebna primjena za osobna dizala i osobna teretna dizala – 77. dio: Dizala izložena seizmičkim uvjetima (EN 81-77:2022)  
Safety rules for the construction and installations of lifts – Particular applications for passenger and goods passenger lifts – Part 77: Lifts subject to seismic conditions (EN 81-77:2022)

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

HRN EN ISO 17892-1:2015/A1:2022 en pr  
Geotehničko istraživanje i ispitivanje – Laboratorijsko ispitivanje tla – 1. dio: Određivanje vlažnosti (ISO 17892-1:2014/Amd 1:2022; EN ISO 17892-1:2014/A1:2022)  
Geotechnical investigation and testing – Laboratory testing of soil – Part 1: Determination of water content (ISO 17892-1:2014/Amd 1:2022; EN ISO 17892-1:2014/A1:2022)

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

HRN EN ISO 50005:2022 en pr  
Sustavi upravljanja energijom – Smjernice za provedbu u fazama (ISO 50005:2021; EN ISO 50005:2022)  
Energy management systems – Guidelines for a phased implementation (ISO 50005:2021; EN ISO 50005:2022)

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

HRN EN ISO 16808:2022 en pr  
Metalni materijali – Lim i traka – Određivanje krivulje dvoosnog naprezanja ispitivanjem dubokim izvlačenjem s optičkim mjernim sustavima (ISO 16808:2022; EN ISO 16808:2022)  
Metallic materials – Sheet and strip – Determination of biaxial stress-strain curve by means of bulge test with optical measuring systems (ISO 16808:2022; EN ISO 16808:2022)

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

HRN EN ISO 12696:2022 en pr  
Katodna zaštita čelika u betonu (ISO 12696:2022; EN ISO 12696:2022)  
Cathodic protection of steel in concrete (ISO 12696:2022; EN ISO 12696:2022)

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

HRN EN 12583:2022 en pr  
Plinska infrastruktura – Kompresorske stanice – Funkcionalni zahtjevi (EN 12583:2022)  
Gas Infrastructure – Compressor stations – Functional requirements (EN 12583:2022)

HRN EN ISO 20519:2022 en pr  
Brodovi i pomorska tehnologija – Specifikacija za ukrcavanje goriva u brodove na ukapljeni prirodni plin (ISO 20519:2021; EN ISO 20519:2022)  
Ships and marine technology – Specification for bunkering of liquefied natural gas fuelled vessels (ISO 20519:2021; EN ISO 20519:2022)

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

HRN EN ISO 24200:2022 en pr  
Industrija nafte, petrokemije i prirodnog plina – Rasuti materijal za odobalne projekte – Nosači za cijevi (ISO 24200:2022; EN ISO 24200:2022)  
Petroleum, petrochemical and natural gas industries – Bulk material for offshore projects – Pipe support (ISO 24200:2022; EN ISO 24200:2022)

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

HRN ISO 3716:2022 en pr  
Hidrometrija – Operativni zahtjevi i značajke ovjesne opreme za uzorkovanje suspendiranog nanosa (ISO 3716:2021)  
Hydrometry – Functional requirements and characteristics of suspended-sediment samplers (ISO 3716:2021)

HRN ISO 13319-1:2022 en pr  
Određivanje raspodjele veličine čestica – Metoda područne električne osjetljivosti – 1. dio: Metoda cijevi s prigušnicom (ISO 13319-1:2021)  
Determination of particle size distribution – Electrical sensing zone method – Part 1: Aperture/orifice tube method (ISO 13319-1:2021)

HRN ISO 13322-2:2022 en pr  
Analiza veličine čestica – Metode zrcalne analize – 2. dio: Metode dinamičke zrcalne analize (ISO 13322-2:2021)  
Particle size analysis – Image analysis methods – Part 2: Dynamic image analysis methods (ISO 13322-2:2021)

HRN ISO 15901-2:2022 en pr  
Raspodjela veličine pora i poroznost krutih materijala dobivena živinim porozimetrom i plinskom adsorpcijom – 2. dio: Analiza nanopora plinskom adsorpcijom (ISO 15901-2:2022)  
Pore size distribution and porosity of solid materials by mercury porosimetry and gas adsorption – Part 2: Analysis of nanopores by gas adsorption (ISO 15901-2:2022)

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

HRN EN 15427-2-1:2022 en pr  
Željeznički sustav – Upravljanje trenjem između kotača i tračnica – Dio 2-1: Svojstva i značajke – Podmazivanje vijenca (EN 15427-2-1:2022)  
Railway applications – Wheel/Rail friction management – Part 2-1: Properties and Characteristics – Flange lubricants (EN 15427-2-1:2022)

HRN EN 16334-1:2022 en pr  
Željeznički sustav – Sustav alarmiranja od strane putnika – 1. dio: Zahtjevi za sustav (EN 16334-1:2014+A1:2022)  
Railway applications – Passenger Alarm System – Part 1: System requirements for mainline rail (EN 16334-1:2014+A1:2022)

HRN EN 17530:2022 en pr  
Željeznički sustav – Ostakljivanje unutrašnjosti za željeznička vozila (EN 17530:2022)  
Railway applications – Interior glazing for rail vehicles (EN 17530:2022)

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

HRN ISO 4301-3:2022 en pr  
Dizalice – Podjela u pogonske skupine – 3. dio: Toranjske dizalice (ISO 4301-3:2021)  
Cranes – Classification – Part 3: Tower cranes (ISO 4301-3:2021)

HRN ISO 7752-5:2022 en pr  
Dizalice – Raspored upravljačkih elemenata i karakteristike – 5. dio: Mosne i portalne dizalice (ISO 7752-5:2021)  
Cranes – Control layout and characteristics – Part 5: Bridge and gantry cranes (ISO 7752-5:2021)

HRN ISO 9374-5:2022 en pr  
Dizalice – Potrebne informacije – 5. dio: Mosne i portalne dizalice (ISO 9374-5:2021)  
Cranes – Information to be provided – Part 5: Overhead travelling cranes and portal bridge cranes (ISO 9374-5:2021)

HRN ISO 11661:2022 en pr  
Mobilne dizalice – Grafički prikaz područja rada za nazivne nosivosti (ISO 11661:2022)  
Mobile cranes – Presentation of rated capacity charts (ISO 11661:2022)

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

HRN EN ISO 6346:2022 en pr  
Kontejneri za teret – Kodiranje, identifikacija i označavanje (ISO 6346:2022; EN ISO 6346:2022)  
Freight containers – Coding, identification and marking (ISO 6346:2022; EN ISO 6346:2022)

HRN EN 13094:2022 en pr  
Spremnici za prijevoz opasnih tvari – Metalni spremnici s gravitacijskim pražnjenjem – Projektiranje i konstrukcija (EN 13094:2020+A1:2022)  
Tanks for the transport of dangerous goods – Metallic gravity-discharge tanks – Design and construction (EN 13094:2020+A1:2022)

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

HRN EN 13830:2020/Ispr.1:2022 en pr  
Ovještene fasade – Norma za proizvod (EN 13830:2015+A1:2020/AC:2022)  
Curtain walling – Product standard (EN 13830:2015+A1:2020/AC:2022)

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

HRN EN 15632-1:2022 en pr  
Cijevi za daljinsko grijanje – Sustavi predizoliranih savitljivih cijevi – 1. dio: Klasifikacija, opći zahtjevi i metode ispitivanja (EN 15632-1:2022)  
District heating pipes – Pre-insulated flexible pipe systems – Part 1: Classification, general requirements and test methods (EN 15632-1:2022)

HRN EN 15632-2:2022 en pr  
Cijevi za daljinsko grijanje – Tvornički izrađeni sustavi savitljivih cijevi – 2. dio: Spojeni sustav s plastičnim cijevima, zahtjevi i metode ispitivanja (EN 15632-2:2022)  
District heating pipes – Factory made flexible pipe systems – Part 2: Bonded system with plastic service pipes, requirements and test methods (EN 15632-2:2022)

HRN EN 15632-3:2022 en pr  
Cijevi za daljinsko grijanje – Tvornički izrađeni sustavi savitljivih cijevi – 3. dio: Nespojani sustav s plastičnim cijevima, zahtjevi i metode ispitivanja (EN 15632-3:2022)  
District heating pipes – Factory made flexible pipe systems – Part 3: Non bonded system with plastic service pipes, requirements and test methods (EN 15632-3:2022)

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

HRN EN 12125:2022 en pr  
Kemikalije koje se upotrebljavaju u obradi vode namijenjene ljudskoj potrošnji – Natrijev tiosulfat (EN 12125:2022)  
Chemicals used for treatment of water intended for human consumption – Sodium thiosulfate (EN 12125:2022)

HRN EN 12174:2022 en pr  
Kemikalije koje se upotrebljavaju u obradi vode namijenjene ljudskoj potrošnji – Natrijev heksafluorosilikat (EN 12174:2022)  
Chemicals used for treatment of water intended for human consumption – Sodium hexafluorosilicate (EN 12174:2022)

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

HRN EN ISO 25424:2019/A1:2022 en pr  
Sterilizacija proizvoda za zdravstvenu skrb – Niskotemperaturna para i formaldehid – Zahtjevi za razvoj, vrednovanje i rutinsku kontrolu sterilizacijskih postupaka za medicinske proizvode (ISO 25424:2018/Amd 1:2022; EN ISO 25424:2019/A1:2022)  
Sterilization of health care products – Low temperature steam and formaldehyde – Requirements for development, validation and routine control of a sterilization process for medical devices (ISO 25424:2018/Amd 1:2022; EN ISO 25424:2019/A1:2022)

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

HRN EN ISO 18527-1:2022 en pr  
Štitnici za oči i lice za sportsku upotrebu – 1. dio: Zahtjevi za naočale za skijaški spust i daskanje na snijegu (ISO 18527-1:2021; EN ISO 18527-1:2022)  
Eye and face protectors for sports use – Part 1: Requirements for downhill skiing and snowboarding goggles (ISO 18527-1:2021; EN ISO 18527-1:2022)

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

HRN EN 15714-5:2022 en pr  
Industrijski zaporni uređaji – Pogoni ventila – 5. dio: Pneumatski linearni pogoni industrijskih ventila – Osnovni zahtjevi (EN 15714-5:2022)  
Industrial valves – Actuators – Part 5: Pneumatic linear actuators for industrial valves – Basic requirements (EN 15714-5:2022)

HRN EN ISO 28921-1:2022 en pr  
Industrijski zaporni uređaji – Zaporni uređaji za odvajanje za primjenu pri niskim temperaturama – 1. dio: Projektiranje, izrada i ispitivanje proizvodnje (ISO 28921-1:2022; EN ISO 28921-1:2022)  
Industrial valves – Isolating valves for low-temperature applications – Part 1: Design, manufacturing and production testing (ISO 28921-1:2022; EN ISO 28921-1:2022)

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

HRN EN 12245:2022 en pr  
Prenosive plinske boce – Potpuno omotane kompozitne boce (EN 12245:2022)  
Transportable gas cylinders – Fully wrapped composite cylinders (EN 12245:2022)

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

HRN EN ISO 23537-1:2022 en pr  
Zahtjevi za vreće za spavanje – 1. dio: Toplinski zahtjevi i zahtjevi za težinu i dimenzije za vreće za spavanje izrađene za granične temperature od -20 °C i više (ISO 23537-1:2022; EN ISO 23537-1:2022)  
Requirements for sleeping bags – Part 1: Thermal, mass and dimensional requirements for sleeping bags designed for limit temperatures of -20 °C and higher (ISO 23537-1:2022; EN ISO 23537-1:2022)

### **HZN/TO 572, Kruti oporabljeni materijali uključujući kruta oporabljena goriva**

HRN EN ISO 21646:2022 en pr  
Kruta oporabljena goriva – Priprema uzorka (ISO 21646:2022; EN ISO 21646:2022)  
Solid recovered fuels – Sample preparation (ISO 21646:2022; EN ISO 21646:2022)

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

HRN ISO 10017:2022 en pr  
Upute za statističke tehnike za ISO 9001:2015 (ISO 10017:2021)  
Quality management – Guidance on statistical techniques for ISO 9001:2015 (ISO 10017:2021)

HRS ISO/TS 54001:2022 en pr  
Sustavi upravljanja kvalitetom – Posebni zahtjevi primjene ISO 9001:2015 za organizacije koje provode izbore na svim razinama državne uprave (ISO/TS 54001:2019)  
Quality management systems – Particular requirements for the application of ISO 9001:2015 for electoral organizations at all levels of government (ISO/TS 54001:2019)

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

HRN EN IEC 60072-1:2022 en pr  
Dimenzije i serije snaga za rotacijske električne strojeve – 1. dio: Brojevi okvira od 56 do 400 i brojevi prirubnica od 55 do 1080 (IEC 60072-1:2022; EN IEC 60072-1:2022)  
Dimensions and output series for rotating electrical machines – Part 1: Frame numbers 56 to 400 and flange numbers 55 to 1080 (IEC 60072-1:2022; EN IEC 60072-1:2022)

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

HRN EN IEC 62271-209:2019/A1:2022 en pr  
Visokonaponska sklopna aparatura – 209. dio: Kabelski spojevi za plinom izolirane, metalom oklopljene sklopne blokove za nazivne napone iznad 52 kV – Kabelski završeci ispunjeni tekućim medijem i kabelski završeci suhog tipa (IEC 62271-209:2019/am1:2022; EN IEC 62271-209:2019/A1:2022)  
High-voltage switchgear and controlgear – Part 209: Cable connections for gas-insulated metal-enclosed switchgear for rated voltages above 52 kV – Fluid-filled and extruded insulation cables – Fluid-filled and dry-type cable-terminations (IEC 62271-209:2019/am1:2022; EN IEC 62271-209:2019/A1:2022)

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

HRN EN 17348:2022 en pr  
Zahtjevi za projektiranje i ispitivanje usisavača za prašinu namijenjenih upotrebi u eksplozivnim atmosferama (EN 17348:2022)  
Requirements for design and testing of vacuum cleaners for use in potentially explosive atmospheres (EN 17348:2022)

HRN EN 60079-29-1:2017/A11:2022 en pr  
Eksplozivne atmosfere – Dio 29-1: Oprema za otkrivanje i mjerenje zapaljivih plinova – Zahtjevi za pogonska svojstva opreme za otkrivanje i mjerenje zapaljivih plinova (EN 60079-29-1:2016/A11:2022)  
Explosive atmospheres – Part 29-1: Gas detectors – Performance requirements of detectors for flammable gases (EN 60079-29-1:2016/A11:2022)

HRN EN 60079-29-1:2017/A1:2022 en pr  
Eksplozivne atmosfere – Dio 29-1: Oprema za otkrivanje i mjerenje zapaljivih plinova – Zahtjevi za pogonska svojstva opreme za otkrivanje i mjerenje zapaljivih plinova (IEC 60079-29-1:2016/am1:2020; EN 60079-29-1:2016/A1:2022)  
Explosive atmospheres – Part 29-1: Gas detectors – Performance requirements of detectors for flammable gases (IEC 60079-29-1:2016/am1:2020; EN 60079-29-1:2016/A1:2022)

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

HRN EN IEC 60730-2-14:2019/A1:2022 en pr  
Električne naprave za automatsko upravljanje – Dio 2-14: Posebni zahtjevi za električne izvršne članove (aktuatore) (IEC 60730-2-14:2017/am1:2019; EN IEC 60730-2-14:2019/A1:2022)  
Automatic electrical controls – Part 2-14: Particular requirements for electric actuators (IEC 60730-2-14:2017/am1:2019; EN IEC 60730-2-14:2019/A1:2022)

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

HRN EN IEC 60477-1:2022 en pr  
Laboratorijski otpornici – 1. dio: Laboratorijski otpornici za istosmjernu struju (IEC 60477-1:2022; EN IEC 60477-1:2022)  
Laboratory resistors – Part 1: Laboratory DC resistors (IEC 60477-1:2022; EN IEC 60477-1:2022)

HRN EN IEC 60477-2:2022 en pr  
Laboratorijski otpornici – 2. dio: Laboratorijski otpornici za izmjeničnu struju (IEC 60477-2:2022; EN IEC 60477-2:2022)  
Laboratory resistors – Part 2: Laboratory AC resistors (IEC 60477-2:2022; EN IEC 60477-2:2022)

HRN EN IEC 61557-3:2022 en pr  
Električna sigurnost u niskonaponskim distribucijskim sustavima do 1 000 V izmjenične struje i 1 500 V istosmjerne struje – Oprema za ispitivanje, mjerenje ili nadzor mjera zaštite – 3. dio: Impedancija petlje (IEC 61557-3:2019; EN IEC 61557-3:2022)  
Electrical safety in low voltage distribution systems up to 1 000 V a.c. and 1 500 V d.c. – Equipment for testing, measuring or monitoring of protective measures – Part 3: Loop impedance (IEC 61557-3:2019; EN IEC 61557-3:2022)

HRN EN IEC 61557-7:2022 en pr  
Električna sigurnost u niskonaponskim distribucijskim sustavima do 1 000 V izmjenične struje i 1 500 V istosmjerne struje – Oprema za ispitivanje, mjerenje ili nadzor mjera zaštite – 7. dio: Redoslijed faza (IEC 61557-7:2019; EN IEC 61557-7:2022)  
Electrical safety in low voltage distribution systems up to 1 000 V a.c. and 1 500 V d.c. – Equipment for testing, measuring or monitoring of protective measures – Part 7: Phase sequence (IEC 61557-7:2019; EN IEC 61557-7:2022)

HRN EN IEC 61557-11:2022 en pr  
Električna sigurnost u niskonaponskim distribucijskim sustavima do 1 000 V izmjenične struje i 1 500 V istosmjerne struje – Oprema za ispitivanje, mjerenje ili nadzor mjera zaštite – 11. dio: Učinkovitost monitora diferencijalne struje (RCM-ovi) tipa A i tipa B u TT, TN i IT sustavima (IEC 61557-11:2020; EN IEC 61557-11:2022)  
Electrical safety in low voltage distribution systems up to 1 000 V AC and 1 500 V DC – Equipment for testing, measuring or monitoring of protective measures – Part 11: Effectiveness of residual current monitors (RCM) in TT, TN and IT systems (IEC 61557-11:2020; EN IEC 61557-11:2022)

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

HRN EN IEC 63033-1:2022 en pr  
Multimedijски sustavi i oprema za vozila – Sustav panoramskog pogleda – 1. dio: Općenito (IEC 63033-1:2022; EN IEC 63033-1:2022)  
Multimedia Systems and equipment for vehicle – Surround view system – Part 1: General (IEC 63033-1:2022; EN IEC 63033-1:2022)

HRN EN IEC 63033-2:2022 en pr  
Multimedijски sustavi i oprema za vozila – Sustav panoramskog pogleda – 2. dio: Metode snimanja u sustavima panoramskog pogleda (IEC 63033-2:2022; EN IEC 63033-2:2022)  
Multimedia Systems and equipment for vehicle – Surround view system – Part 2: Recording methods of the surround view system (IEC 63033-2:2022; EN IEC 63033-2:2022)

HRN EN IEC 63033-3:2022 en pr  
Multimedijски sustavi i oprema za vozila – Sustav panoramskog pogleda – 3. dio: Metode mjerenja (IEC 63033-3:2022; EN IEC 63033-3:2022)  
Multimedia Systems and equipment for vehicle – Surround view system – Part 3: Measurement methods (IEC 63033-3:2022; EN IEC 63033-3:2022)

HRN EN IEC 63033-4:2022 en pr  
Multimedijски sustavi i oprema za vozila – Sustav panoramskog pogleda – 4. dio: Primjena u sustavima nadzora pomoću kamera (IEC 63033-4:2022; EN IEC 63033-4:2022)  
Multimedia systems and equipment for vehicles – Surround view system – Part 4: Application for camera monitor systems (IEC 63033-4:2022; EN IEC 63033-4:2022)

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

HRN EN IEC 60587:2022 en pr  
Električni izolacijski materijali pod opterećenim uvjetima – Metode ispitivanja za procjenu otpornosti na stvaranje puzajućih struja i eroziju (IEC 60587:2022; EN IEC 60587:2022)  
Electrical insulating materials used under severe ambient conditions – Test methods for evaluating resistance to tracking and erosion (IEC 60587:2022; EN IEC 60587:2022)

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

HRN EN IEC 60318-8:2022 en pr  
Elektroakustika – Simulatori ljudske glave i uha – 8. dio: Akustički spojnik za visokofrekvencijsko mjerenje slušnih pomagala i slušalica spojenih na uho pomoću ušnih umetaka (IEC 60318-8:2022; EN IEC 60318-8:2022)  
Electroacoustics – Simulators of human head and ear – Part 8: Acoustic coupler for high-frequency measurements of hearing aids and earphones coupled to the ear by means of ear inserts (IEC 60318-8:2022; EN IEC 60318-8:2022)

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

HRN EN 300 176-2 V2.4.1:2022 en pr  
Digitalne poboljšane bežične telekomunikacije (DECT) – Ispitna specifikacija – 2. dio: Audio i govor (EN 300 176-2 V2.4.1:2022)  
Digital Enhanced Cordless Telecommunications (DECT) – Test specification – Part 2: Audio and speech (EN 300 176-2 V2.4.1:2022)

HRN EN 302 245 V2.2.1:2022 en pr  
Odašiljačka oprema koja upotrebljava DRS digitalni radijski standard – Harmonizirana norma za pristup radijskom spektru (EN 302 245 V2.2.1:2022)  
Transmitting equipment for the Digital Radio Mondiale (DRM) service – Harmonised Standard for access to radio spectrum (EN 302 245 V2.2.1:2022)

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

HRN EN ISO 8655-3:2022 en pr  
Klipna volumetrijska aparatura – 3. dio: Birete (ISO 8655-3:2022; EN ISO 8655-3:2022)  
Piston-operated volumetric apparatus – Part 3: Burettes (ISO 8655-3:2022; EN ISO 8655-3:2022)

HRN EN ISO 8655-4:2022 en pr  
Klipna volumetrijska aparatura – 4. dio: Razrjeđivači (ISO 8655-4:2022; EN ISO 8655-4:2022)  
Piston-operated volumetric apparatus – Part 4: Dilutors (ISO 8655-4:2022; EN ISO 8655-4:2022)

HRN EN ISO 8655-5:2022 en pr  
Klipna volumetrijska aparatura – 5. dio: Raspršivači (ISO 8655-5:2022; EN ISO 8655-5:2022)  
Piston-operated volumetric apparatus – Part 5: Dispensers (ISO 8655-5:2022; EN ISO 8655-5:2022)

HRN EN ISO 8655-7:2022 en pr  
Klipna volumetrijska aparatura – 7. dio: Alternativni postupci mjerenja za određivanje volumena (ISO 8655-7:2022; EN ISO 8655-7:2022)  
Piston-operated volumetric apparatus – Part 7: Alternative measurement procedures for the determination of volume (ISO 8655-7:2022; EN ISO 8655-7:2022)

HRN EN ISO 8655-8:2022 en pr  
Klipna volumetrijska aparatura – 8. dio: Fotometrijski referentni postupak mjerenja za određivanje volumena (ISO 8655-8:2022; EN ISO 8655-8:2022)  
Piston-operated volumetric apparatus – Part 8: Photometric reference measurement procedure for the determination of volume (ISO 8655-8:2022; EN ISO 8655-8:2022)

HRN EN ISO 8655-9:2022 en pr  
Klipna volumetrijska aparatura – 9. dio: Ručno upravljane precizne laboratorijske štrcaljke (ISO 8655-9:2022; EN ISO 8655-9:2022)  
Piston-operated volumetric apparatus – Part 9: Manually operated precision laboratory syringes (ISO 8655-9:2022; EN ISO 8655-9:2022)

HRN EN 17605:2022 en pr  
Alge i proizvodi na bazi algi – Metode uzorkovanja i analize – Obrada uzoraka (EN 17605:2022)  
Algae and algae products – Methods of sampling and analysis – Sample treatment (EN 17605:2022)

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

HRN EN 1757:2022 en pr  
Sigurnost industrijskih vozila – Industrijska vozila s platformom pogonjena guranjem (EN 1757:2022)  
Safety of industrial trucks – Pedestrian propelled industrial platform trucks (EN 1757:2022)

HRN EN 3077:2022 en pr  
Zrakoplovstvo – Stege, pužni pogon – Tehnička specifikacija (EN 3077:2022)  
Aerospace series – Clamps worm drive – Technical specification (EN 3077:2022)

HRN EN 3155-075:2022 en pr  
Zrakoplovstvo – Električni kontakti koji se upotrebljavaju u elementima za povezivanje – 075. dio: Kontakti, električni, kvadratni, veličina 8, ženski, tip E, za krimpiranje, razreda R – Norma za proizvod (EN 3155-075:2022)  
Aerospace series – Electrical contacts used in elements of connection – Part 075: Contacts, electrical, quadrax, size 8, female, type E, crimp, class R – Product standard (EN 3155-075:2022)

HRN EN 3745-412:2022 en pr  
Zrakoplovstvo – Vlakna i kabeli, optički, za zrakoplove – Metode ispitivanja – 412. dio: Otpornost na vlagu (EN 3745-412:2022)  
Aerospace series – Fibres and cables, optical, aircraft use – Test methods – Part 412: Humidity resistance (EN 3745-412:2022)

HRN EN 3838:2022 en pr  
Zrakoplovstvo – Zahtjevi i ispitivanja korisničkih oznaka na električnim kabelima za zrakoplovstvo (EN 3838:2022)  
Aerospace series – Requirements and tests on user-applied markings on aircraft electrical cables (EN 3838:2022)

HRN EN 4259:2022 en,fr,de pr  
Zrakoplovstvo – Metalni materijali – Definiiranje općih naziva (EN 4259:2022)  
Aerospace series – Metallic materials – Definition of general terms (EN 4259:2022)

HRN EN 4566:2022 en pr  
Zrakoplovstvo – Legura otporna na toplinu CO-PH4101 (CoCr20W15N1) – Topljen vakuumom – Obraden otopinom – Otkivci – De ≤ 100 mm (EN 4566:2022)  
Aerospace series – Heat resisting alloy CO-PH4101 (CoCr20W15N1) – Vacuum melted – Solution treated – Forgings – De ≤ 100 mm (EN 4566:2022)

HRN EN 4717:2022 en pr  
Zrakoplovstvo – Poli(eter-eter-eton) s 55 % neprekinutih ugljičnih vlakana po volumenu (PEEK-CF55) – Oblik zaliha materijala – Specifikacija materijala (EN 4717:2022)  
Aerospace series – Polyetheretherketone with 55 % continuous carbon fibre by volume (PEEK-CF55) – Stock shape material – Material specification (EN 4717:2022)

HRN EN 4718:2022 en pr  
Zrakoplovstvo – Poli(eter-eter-eton) s 55 % neprekinutih staklenih vlakana po volumenu (PEEK-GF55) – Oblik zaliha materijala – Specifikacija materijala (EN 4718:2022)  
Aerospace series – Polyetheretherketone with 55 % continuous glass fibre by volume (PEEK-GF55) – Stock shape material – Material specification (EN 4718:2022)

HRN EN 4890:2022 en pr  
Zrakoplovstvo – Čelik X4CrNiMo16-5-1 – Taljen na zraku – Kaljen i termički obrađen – Limovi i ploče – 0,3 mm ≤ a ≤ 50 mm – 900 MPa ≤ Rm ≤ 1 050 MPa (EN 4890:2022)  
Aerospace series – Steel X4CrNiMo16-5-1 – Air melted – Hardened and tempered – Sheets and plates – 0,3 mm ≤ a ≤ 50 mm – 900 MPa ≤ Rm ≤ 1 050 MPa (EN 4890:2022)

HRN EN 4900:2022 en pr  
Zrakoplovstvo – Legura aluminija 5086 – H111 – Ekstrudirane šipke – 10 mm ≤ D ≤ 300 mm (EN 4900:2022)  
Aerospace series – Aluminium alloy 5086 – H111 – Extruded bars – 10 mm ≤ D ≤ 300 mm (EN 4900:2022)

HRN EN 6059-401:2022 en pr  
Zrakoplovstvo – Električni kabeli, ugradnja – Zaštitne navlake – Metode ispitivanja – 401. dio: Raspon širenja (EN 6059-401:2022)  
Aerospace series – Electrical cables, installation – Protection sleeves – Test methods – Part 401: Expansion range (EN 6059-401:2022)

HRN EN 17404:2022 en pr  
Bicikli – Bicikli s pomoćnim električnim pogonom – EPAC Brdski bicikli (EN 17404:2022)  
Cycles – Electrically power assisted cycles – EPAC Mountain bikes (EN 17404:2022)

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

HRN EN IEC 81346-1:2022 en pr  
Industrijski sustavi, instalacije i oprema te industrijski proizvodi – Strukturiranje načela i referencijske oznake – 1. dio: Osnovna pravila (IEC 81346-1:2022; EN IEC 81346-1:2022)  
Industrial systems, installations and equipment and industrial products – Structuring principles and reference designations – Part 1: Basic rules (IEC 81346-1:2022; EN IEC 81346-1:2022)

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

HRN EN IEC 61300-1:2022 en pr  
Svjetlovodni uređaji za međusobno spajanje i pasivne komponente – Osnovni postupci ispitivanja i mjerenja – 1. dio: Općenito i upute (IEC 61300-1:2022; EN IEC 61300-1:2022)  
Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 1: General and guidance (IEC 61300-1:2022; EN IEC 61300-1:2022)

HRN EN IEC 63093-10:2022 en pr  
Feritne jezgre – Smjernice za dimenzije i granice površinskih nepravilnosti – 10. dio: PM jezgre i pripadajući dijelovi (IEC 63093-10:2022; EN IEC 63093-10:2022)  
Ferrite cores – Guidelines on dimensions and the limits of surface irregularities – Part 10: PM-cores and associated parts (IEC 63093-10:2022; EN IEC 63093-10:2022)

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

HRN EN IEC 62641:2022 en pr  
Vodiči za nadzemne vodove – Žice od aluminija ili aluminijske legure za koncentrično postavljene upletene vodiče (IEC 62641:2022; EN IEC 62641:2022)  
Conductors for overhead lines – Aluminium and aluminium alloy wires for concentric lay stranded conductors (IEC 62641:2022; EN IEC 62641:2022)

HRN EN IEC 62641:2022/A11:2022 en pr  
Vodiči za nadzemne vodove – Žice od aluminija ili aluminijske legure za koncentrično postavljene upletene vodiče (EN IEC 62641:2022/A11:2022)  
Conductors for overhead lines – Aluminium and aluminium alloy wires for concentric lay stranded conductors (EN IEC 62641:2022/A11:2022)

HRN EN IEC 63248:2022 en pr  
Vodiči za nadzemne vodove – Obložena ili omotana metalna žica za koncentrično postavljene upletene vodiče (IEC 63248:2022; EN IEC 63248:2022)  
Conductors for overhead lines – Coated or cladded metallic wire for concentric lay stranded conductors (IEC 63248:2022; EN IEC 63248:2022)

HRN EN IEC 63248:2022/A11:2022 en pr  
Vodiči za nadzemne vodove – Obložena ili omotana metalna žica za koncentrično postavljene upletene vodiče (EN IEC 63248:2022/A11:2022)  
Conductors for overhead lines – Coated or cladded metallic wire for concentric lay stranded conductors (EN IEC 63248:2022/A11:2022)

## 1.2 Nacrti hrvatskih norma

Temeljem Zakona o normizaciji (Narodne novine 80/2013) Hrvatski zavod za norme na prijedlog tehničkih odbora objavljuje raspravu o nacrtima hrvatskih norma (oznaka nHRN). Pisane primjedbe na nacrt hrvatskih norma dostavljaju se Hrvatskom zavodu za norme (uz naznaku tehničkog odbora i referencijsku oznaku nacrt hrvatske norme) u roku od 30 dana od dana objave rasprave u službenom glasilu Hrvatskoga zavoda za norme (HZN e-glasilo).

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

### HZN/TO 551, *Gradnja*

nHRN DIN 18202 hr pp  
Dopuštena odstupanja pri gradnji – Zgrade (DIN 18202:2019)  
Toleranzen im Hochbau – Bauwerke (DIN 18202:2019)

## 1.3 Prijedlozi za prihvaćanje stranih norma u izvorniku

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

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

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

prEN ISO 5674 en  
Tractors and machinery for agriculture and forestry – Guards for power take-off (PTO) drive-shafts – Strength and wear tests and acceptance criteria (ISO/DIS 5674:2022)  
Traktori i poljoprivredna i šumarska mehanizacija – Štitnici za priključno vratilo traktora (PV) – Proba čvrstoće i nosivosti te uvjeti za prihvaćanje (ISO/DIS 5674:2022)

EN ISO 8437-1:2021/prA1 en  
Snow throwers – Safety requirements and test procedures – Part 1: Terminology and common tests – Amendment 1: Scope clarification (ISO 8437-1:2019/DAmD 1:2022)  
Bacači snijega – Sigurnosni zahtjevi i postupci ispitivanja – 1. dio: Nazivlje i opća ispitivanja – Amandman 1: Pojašnjenje područja primjene (ISO 8437-1:2019/DAmD 1:2022)

EN ISO 8437-2:2021/prA1 en  
Snow throwers – Safety requirements and test procedures – Part 2: Pedestrian-controlled snow throwers (ISO 8437-2:2019/DAmD 1:2022)  
Bacači snijega – Sigurnosni zahtjevi i postupci ispitivanja – 2. dio: Ručno upravljani bacači snijega (ISO 8437-2:2019/DAmD 1:2022)

EN ISO 8437-3:2021/prA1 en  
Snow throwers – Safety requirements and test procedures – Part 3: Ride-on snow throwers (ISO 8437-3:2019/DAmD 1:2022)  
Bacači snijega – Sigurnosni zahtjevi i postupci ispitivanja – 3. dio: Bacači snijega na kojima se sjedi (ISO 8437-3:2019/DAmD 1:2022)

### HZN/TO 25, *Ljevarstvo*

prEN 16482 en  
Founding – Continuous cast iron bars  
Ljevarstvo – Kontinuirano lijevane šipke iz željeznoga lijeva

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

EN ISO 14903:2017/prA1 en  
Refrigerating systems and heat pumps – Qualification of tightness of components and joints (ISO 14903:2017/DAmD 1:2022)  
Rashladni sustavi i dizalice topline – Kvalifikacija nepropusnosti dijelova i spojeva (ISO 14903:2017/DAmD 1:2022)

### HZN/TO 120, *Koža i obuća*

prEN ISO 11936 en  
Leather – Determination of total content of certain bisphenols (ISO/DIS 11936:2022)

prEN 17848 en  
Leather – Chemicals – Quality control

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

prEN 12341 en  
Ambient air – Standard gravimetric measurement method for the determination of the PM10 or PM2,5 mass concentration of suspended particulate matter  
Vanjski zrak – Određivanje masene koncentracije suspendiranih čestica PM10 ili PM2,5 standardnom gravimetrijskom metodom



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

prEN ISO 17294-1 en  
Water quality – Application of inductively coupled plasma mass spectrometry (ICP-MS) – Part 1: General guidelines (ISO/DIS 17294-1:2022)  
Kvaliteta vode – Primjena spektrometrije masa s induktivno spregnutom plazmom (ICP-MS) – 1. dio: Opće smjernice (ISO/DIS 17294-1:2022)

prEN ISO 19040-1 en  
Water quality – Determination of the estrogenic potential of water and waste water – Part 1: Yeast estrogen screen (*Saccharomyces cerevisiae*) (ISO 19040-1:2018)  
Kvaliteta vode – Određivanje estrogenog potencijala vode i otpadne vode – 1. dio: Test estrogenosti pomoću kvasca (*Saccharomyces cerevisiae*) (ISO 19040-1:2018)

prEN ISO 19040-2 en  
Water quality – Determination of the estrogenic potential of water and waste water – Part 2: Yeast estrogen screen (*A-YES*, *Arxula adenivorans*) (ISO 19040-2:2018)  
Kvaliteta vode – Određivanje estrogenog potencijala vode i otpadne vode – 2. dio: Test estrogenosti pomoću kvasca (*A-YES*, *Arxula adenivorans*) (ISO 19040-2:2018)

prEN ISO 19040-3 en  
Water quality – Determination of the estrogenic potential of water and waste water – Part 3: In vitro human cell-based reporter gene assay (ISO 19040-3:2018)  
Kvaliteta vode – Određivanje estrogenog potencijala vode i otpadne vode – 3. dio: In vitro ispitivanje pomoću reporterskog gena na ljudskim stanicama (ISO 19040-3:2018)

prEN ISO 20595 en  
Water quality – Determination of selected highly volatile organic compounds in water – Method using gas chromatography and mass spectrometry by static headspace technique (HS-GC-MS) (ISO 20595:2018)

prEN ISO 20596-2 en  
Water quality – Determination of cyclic volatile methylsiloxanes in water – Part 2: Method using liquid-liquid extraction with gas chromatography-mass spectrometry (GC-MS) (ISO 20596-2:2021)

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

ISO 9869-1:2014 en  
Thermal insulation – Building elements – In-situ measurement of thermal resistance and thermal transmittance – Part 1: Heat flow meter method  
Toplinska izolacija – Građevni elementi – Mjerenje toplinskog otpora i prolaska topline in situ – 1. dio: Tokomjerna metoda

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

ISO 9802:2022 en  
Raw optical glass – Vocabulary  
Sirovo optičko staklo – Rječnik

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

FprEN ISO 24804 en  
Recreational diving services – Requirements for rebreather diver training – No-decompression diving (ISO/FDIS 24804:2022)

FprEN ISO 24805 en  
Recreational diving services – Requirements for rebreather diver training – Decompression diving to 45 m (ISO/FDIS 24805:2022)

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

prEN ISO 4491-2 en  
Metallic powders – Determination of oxygen content by reduction methods – Part 2: Loss of mass on hydrogen reduction (hydrogen loss) (ISO/DIS 4491-2:2022)  
Metalni prah – Određivanje udjela kisika redukcijom metodom – 2. dio: Gubitak mase redukcijom vodika (gubitak vodika) (ISO/DIS 4491-2:2022)

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

prEN ISO 2747 en  
Vitreous and porcelain enamels – Enamelled cooking utensils – Determination of resistance to thermal shock (ISO 2747:1998)  
Staklasti i porculanski emajli – Emajlirano posuđe za kuhanje – Određivanje otpornosti na toplinski šok (ISO 2747:1998)

prEN ISO 4532 en  
Vitreous and porcelain enamels – Determination of the resistance of enamelled articles to impact – Pistol test (ISO 4532:1991)  
Staklasti i porculanski emajli – Određivanje otpornosti emajliranih predmeta na udar – Ispitivanje pomoću pištolja (ISO 4532:1991)

prEN ISO 8291 en  
Vitreous and porcelain enamels – Method of test of self-cleaning properties (ISO 8291:1986)  
Staklasti i porculanski emajli – Metoda ispitivanja svojstava samočišćenja (ISO 8291:1986)

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

prEN ISO 19901-4 en  
Petroleum and natural gas industries – Specific requirements for offshore structures – Part 4: Geotechnical design considerations (ISO/DIS 19901-4:2022)  
Industrija nafte i prirodnoga plina – Posebni zahtjevi za odobalne konstrukcije – 4. dio: Razmatranja geotehničkog projektiranja (ISO/DIS 19901-4:2022)

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

prEN 16405 en  
Intelligent transport systems – ECall – Additional data concept specification for cargo in vehicles  
Inteligentni transportni sustavi – Elektronički hitni pozivi iz vozila – Specifikacije dodatnih koncepta podataka za teška teretna vozila

prEN 16454 en  
Intelligent transport systems – ESafety – ECall end to end conformance testing  
Inteligentni transportni sustavi – Elektronička sigurnost – Ispitivanje sukladnosti elektroničkih hitnih poziva iz vozila

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

EN 15595:2018+AC:2021/prA1:2022 en  
Railway applications – Braking – Wheel slide protection  
Željeznički sustav – Kočenje – Zaštita od proklizavanja

prEN 16235 en  
Railway applications – Testing for the acceptance of running characteristics of railway vehicles – Freight wagons – Conditions for dispensation of freight wagons with defined characteristics from on-track tests according to EN 14363  
Željeznički sustav – Ispitivanje prihvatljivosti vozničkih značajki željezničkih vozila – Teretni vagoni – Uvjeti za podjelu teretnih vagona s definiranim značajkama iz ispitivanja na kolosijeku prema EN 14363

prEN 16584-1 en  
Railway applications – Design for PRM use – General requirements – Part 1: Contrast  
Željeznički sustav – Oblikovanja namijenjena osobama smanjene pokretljivosti – Opći zahtjevi – 1. dio: Kontrast

prEN 16584-2 en  
Railway applications – Design for PRM use – General requirements – Part 2: Information  
Željeznički sustav – Oblikovanja namijenjena osobama smanjene pokretljivosti – Opći zahtjevi – 2. dio: Obavijesti

prEN 16584-3 en  
Railway applications – Design for PRM use – General requirements – Part 3: Optical and friction characteristics  
Željeznički sustav – Oblikovanja namijenjena osobama smanjene pokretljivosti – Opći zahtjevi – 3. dio: Optičke i protuklizne značajke

prEN 16585-1 en  
Railway applications – Design for PRM use – Equipment and components onboard rolling stock – Part 1: Toilets  
Željeznički sustav – Oblikovanja namijenjena osobama smanjene pokretljivosti – Oprema i dijelovi ugrađeni na željezničkim vozilima – 1. dio: Toaleti

prEN 16585-2 en  
Railway applications – Design for PRM use – Equipment and components on board rolling stock – Part 2: Elements for sitting, standing and moving  
Željeznički sustav – Oblikovanja namijenjena osobama smanjene pokretljivosti – Oprema i dijelovi ugrađeni na željezničkim vozilima – 2. dio: Elementi za sjedenje, stajanje i kretanje

prEN 16585-3 en  
Railway applications – Design for PRM use – Equipment and components on board rolling stock – Part 3: Clearways and internal doors  
Željeznički sustav – Oblikovanja namijenjena osobama smanjene pokretljivosti – Oprema i dijelovi ugrađeni na željezničkim vozilima – 3. dio: Prolazi i unutarnja vrata

prEN 16586-1 en  
Railway applications – Design for PRM use – Accessibility of persons with reduced mobility to rolling stock – Part 1: Steps for access and egress  
Željeznički sustav – Oblikovanja namijenjena osobama smanjene pokretljivosti – Dostupnost željezničkih vozila osobama smanjene pokretljivosti – 1. dio: Stube za ulazak i izlazak

prEN 16586-2 en  
Railway applications – Design for PRM use – Accessibility of persons with reduced mobility to rolling stock – Part 2: Boarding aids  
Željeznički sustav – Oblikovanja namijenjena osobama smanjene pokretljivosti – Dostupnost željezničkih vozila osobama smanjene pokretljivosti – 2. dio: Pomoćna sredstva za ukrcaj

prEN 16587 en  
Railway applications – Design for PRM Use – Requirements on obstacle free routes for infrastructure  
Željeznički sustav – Oblikovanja namijenjena osobama smanjene pokretljivosti – Zahtjevi za infrastrukturu koja uključuje puteve bez prepreka

prEN 17863 en  
Railway applications – Ground based services – Passenger rolling stock hygiene equipment

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

ISO 12210:2021 en  
Cranes – Anchoring devices for in-service and out-of-service conditions  
Dizalice – Uređaji za sidrenje u pogonskim i izvan pogonskim uvjetima

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

prEN ISO 252 en  
Conveyor belts – Adhesion between constitutive elements – Test methods (ISO/DIS 252:2022)  
Transportne trake – Prianjanje između sastavnih dijelova – Metode ispitivanja (ISO/DIS 252:2022)

prEN ISO 583 en  
Conveyor belts with a textile carcass – Total belt thickness and thickness of constitutive elements – Test methods (ISO/DIS 583:2022)  
Transportne trake s tekstilnim trupom – Ukupna debljina trake i debljina sastavnih dijelova – Metode ispitivanja (ISO/DIS 583:2022)

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

prEN ISO 1675 en  
Plastics – Liquid resins – Determination of density by the pycnometer method (ISO/DIS 1675:2022)  
Plastika – Kapljevite smole – Određivanje gustoće metodom piknometra (ISO/DIS 1675:2022)

prEN ISO 6401 en  
Plastics – Poly(vinyl chloride) – Determination of residual vinyl chloride monomer – Gas-chromatographic method (ISO/DIS 6401:2022)  
Plastika – Poli(vinil-klorid) – Određivanje ostatnog vinil-klorida – Metoda plinske kromatografije (ISO/DIS 6401:2022)

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

prEN 14432 en  
Tanks for the transport of dangerous goods – Tank equipment for the transport of liquid chemicals and liquefied gases – Product discharge and air inlet valves  
Spremnici za prijevoz opasnih tvari – Oprema spremnika za prijevoz tekućih kemikalija i ukapljenih plinova – Ventilni za ispušni proizvoda i ventilni za ulaz zraka

prEN 14433 en  
Tanks for the transport of dangerous goods – Tank equipment for the transport of liquid chemicals and liquefied gases – Foot valves  
Spremnici za prijevoz opasnih tvari – Oprema spremnika za prijevoz tekućih kemikalija i ukapljenih plinova – Nožni ventilni

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

prEN ISO 3611 en  
Geometrical product specifications (GPS) – Dimensional measuring equipment: Micrometers for external measurements – Design and metrological characteristics (ISO/DIS 3611:2022)  
Geometrijske specifikacije proizvoda (GSP) – Dimenzionalna mjerna oprema: mikrometri za vanjska mjerenja – Konstrukcija i mjerne karakteristike (ISO/DIS 3611:2022)

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

prEN 17846 en  
Chemical disinfectants and antiseptics – Quantitative test method for the evaluation of sporicidal activity against *Clostridioides difficile* on non-porous surfaces with mechanical action employing wipes in the medical area (4- field test) – Test method and requirements (phase 2, step 2)

#### **HZN/TO 549, Svjetlo i rasvjeta**

prEN 1838 en  
Lighting applications – Emergency lighting  
Primjena rasvjete – Nužna rasvjeta

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

prEN 1405 en  
Chemicals used for treatment of water intended for human consumption – Sodium alginate  
Kemikalije koje se upotrebljavaju u obradi vode namijenjene ljudskoj potrošnji – Natrijev alginat

prEN 1407 en  
Chemicals used for treatment of water intended for human consumption – Anionic and non-ionic polyacrylamides  
Kemikalije koje se upotrebljavaju u obradi vode namijenjene ljudskoj potrošnji – Anionski i neionski poliakrilamidi

prEN 1408 en  
Chemicals used for treatment of water intended for human consumption – Poly(diallyldimethylammonium chloride)  
Kemikalije koje se upotrebljavaju u obradi vode namijenjene ljudskoj potrošnji – Poli(dialilidimetilamonijev klorid)

prEN 1409 en  
Chemicals used for water treatment intended for human consumption – Polyamines  
Kemikalije koje se upotrebljavaju u obradi vode namijenjene ljudskoj potrošnji – Poliamini

prEN 1410 en  
Chemicals used for treatment of water intended for human consumption – Cationic polyacrylamides  
Kemikalije koje se upotrebljavaju u obradi vode namijenjene ljudskoj potrošnji – Kationski poliakrilamidi

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

prEN 17549-1 en  
Building information modelling – Information structure based on EN ISO 16739 1 to exchange data templates and data sheets for construction objects – Part 1: Data templates and configured construction objects

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

ISO 2403:2021 en  
Textiles – Cotton fibres – Determination of micronaire value  
Tekstil – Pamučna vlakna – Određivanje mikroner vrijednosti

prEN ISO 9073-1 en  
Nonwovens – Test methods – Part 1: Determination of mass per unit area (ISO/DIS 9073-1:2022)

prEN ISO 9073-3 en  
Nonwovens – Test methods – Part 3: Determination of tensile strength and elongation at break using the strip method (ISO/DIS 9073-3:2022)

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

EN ISO 10298:2020/prA1 en

Gas cylinders – Gases and gas mixtures – Determination of toxicity for the selection of cylinder valve outlets (ISO 10298:2018/Amd 1:2021)  
Plinske boce – Plinovi i plinske mješavine – Određivanje toksičnosti radi odabira priključaka ventila na bocu (ISO 10298:2018/Amd 1:2021)

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

ISO 21543:2020 en

Milk and milk products – Guidelines for the application of near infrared spectrometry  
Mlijeko i mliječni proizvodi – Smjernice za primjenu NIR spektrometrije

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

prEN ISO 7218 en

Microbiology of the food chain – General requirements and guidance for microbiological examinations (ISO/DIS 7218:2022)  
Mikrobiologija u lancu hrane – Opći zahtjevi i upute za mikrobiološka ispitivanja (ISO/DIS 7218:2022)

prEN 17851 en

Analysis of Foodstuffs – Determination of Ag, As, Cd, Co, Cr, Cu, Mn, Mo, Ni, Pb, Se, Tl, U and Zn in foodstuffs by inductively coupled plasma mass spectrometry (ICP-MS) after pressure digestion  
Analiza hrane – Određivanje Ag, As, Cd, Co, Cr, Cu, Mn, Mo, Ni, Pb, Se, Tl, U i Zn u hrani spektrometrijom masa uz induktivno spregnutu plazmu (ICP-MS) nakon razgradnje pod tlakom

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

prEN 17853 en

Animal feeding stuffs: Methods of sampling and analysis – Determination of intact glucosinolates in rapeseed by LC-MS/MS

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

prEN ISO/IEC 24760-2 en

Information technology – Security techniques – A framework for identity management – Part 2: Reference architecture and requirements (ISO/IEC 24760-2:2015)

prEN ISO/IEC 24760-3 en

Information technology – Security techniques – A framework for identity management – Part 3: Practice (ISO/IEC 24760-3:2016)

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

prEN IEC 61439-4:2022 en

Low-voltage switchgear and controlgear assemblies – Part 4: Particular requirements for assemblies for construction sites (ACS) (IEC 61439-4 ED2)  
Niskonaponski sklopni blokovi – 4. dio: Posebni zahtjevi za blokove za gradilišta (ACS) (IEC 61439-4 ED2)

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

IEC 60183:2015 en

Guidance for the selection of high-voltage A.C. cable systems  
Upute za odabir visokonaponskih izmjeničnih kabelskih sustava

IEC 60287-1-1:2006 en

Electric cables – Calculation of the current rating – Part 1-1: Current rating equations (100 % load factor) and calculation of losses – General  
Električni kabeli – Proračun strujne opteretivosti – Dio 1-1: Jednadžbe za izračun struja (faktor opterećenja 100 %) i proračun gubitaka – Općenito

IEC 60287-1-1:2006/am1:2014 en

Electric cables – Calculation of the current rating – Part 1-1: Current rating equations (100 % load factor) and calculation of losses – General  
Električni kabeli – Proračun strujne opteretivosti – Dio 1-1: Jednadžbe za izračun struja (faktor opterećenja 100 %) i proračun gubitaka – Općenito

IEC 60287-2-1:2015 en

Electric cables – Calculation of the current rating – Part 2-1: Thermal resistance – Calculation of thermal resistance  
Električni kabeli – Proračun strujne opteretivosti – Dio 2-1: Toplinski otpor – Proračun toplinskog otpora

IEC 60287-3-1:2017 en

Electric cables – Calculation of the current rating – Part 3-1: Operating conditions – Site reference conditions  
Električni kabeli – Proračun strujne opteretivosti – Dio 3-1: Radni uvjeti – Referentni uvjeti na terenu

IEC 60287-3-2:2012 en

Electric cables – Calculation of the current rating – Part 3-2: Sections on operating conditions – Economic optimization of power cable size  
Električni kabeli – Proračun strujne opteretivosti – Dio 3-2: Radni uvjeti – Ekonomska optimizacija energetskog kabela

IEC 60331-2:2018 en

Tests for electric cables under fire conditions – Circuit integrity – Part 2: Test method for fire with shock at a temperature of at least 830°C for cables of rated voltage up to and including 0,6/1,0 kV and with an overall diameter not exceeding 20mm  
Ispitivanja električnih kabela pod djelovanjem vatre – Cjelovitost izolacije – 2. dio: Ispitna metoda za ispitivanje u vatri pod udarom na temperaturi od najmanje 830 °C za kabele naponskog nivoa do i uključujući 0,6/1 kV i koji ne prelaze vanjski promjer 20 mm

IEC 60331-3:2018 en

Tests for electric cables under fire conditions – Circuit integrity – Part 3: Test method for fire with shock at a temperature of at least 830°C for cables of rated voltage up to and including 0,6/1,0 kV tested in a metal enclosure  
Ispitivanja električnih kabela pod djelovanjem vatre – Cjelovitost izolacije – 3. dio: Ispitna metoda za ispitivanje u vatri pod udarom na temperaturi od najmanje 830 °C za kabele naponskog nivoa do i uključujući 0,6/1 kV i koji se ispituju u metalnom kućištu

IEC 60502-1:2021 en

Power cables with extruded insulation and their accessories for rated voltages from 1 kV (Um = 1,2 kV) up to 30 kV (Um = 36 kV) – Part 1: Cables for rated voltages of 1 kV (Um = 1,2 kV) and 3 kV (Um = 3,6 kV)  
Energetski kabeli s ekstrudiranom izolacijom i njihov pribor za nazivne napone od 1 kV (Um = 1,2 kV) do 30 kV (Um = 36 kV) – 1. dio: Kabeli za nazivne napone 1 kV (Um = 1,2 kV) i 3 kV (Um = 3,6 kV)

IEC 60502-2:2014 en

Power cables with extruded insulation and their accessories for rated voltages from 1 kV (Um = 1,2 kV) up to 30 kV (Um = 36 kV) – Part 2: Cables for rated voltages from 6 kV (Um = 7,2 kV) up to 30 kV (Um = 36 kV)  
Energetski kabeli s ekstrudiranom izolacijom i njihov pribor za nazivne napone od 1 kV (Um = 1,2 kV) do 30 kV (Um = 36 kV) – 2. dio: Kabeli za nazivne napone od 6 kV (Um = 7,2 kV) do 30 kV (Um = 36 kV)

IEC 60502-4:2010 en

Power cables with extruded insulation and their accessories for rated voltages from 1 kV (Um = 1,2 kV) up to 30 kV (Um = 36 kV) – Part 4: Test requirements on accessories for cables with rated voltages from 6 kV (Um = 7,2 kV) up to 30 kV (Um = 36 kV)  
Energetski kabeli s ekstrudiranom izolacijom i njihov pribor za nazivne napone od 1 kV (Um = 1,2 kV) do 30 kV (Um = 36 kV) – 4. dio: Ispitni zahtjevi za pribor kabela nazivnih napona od 6 kV (Um = 7,2 kV) do 30 kV (Um = 36 kV)

IEC 60724:2000 en

Short-circuit temperature limits of electric cables with rated voltages of 1 kV (Um = 1,2 kV) and 3 kV (Um = 3,6 kV)  
Temperaturne granice električnih kabela nazivnih napona 1 kV (Um = 1,2 kV) i 3 kV (Um = 3,6 kV)

IEC 60724:2000/am1:2008 en

Short-circuit temperature limits of electric cables with rated voltages of 1 kV (Um = 1,2 kV) and 3 kV (Um = 3,6 kV)  
Temperaturne granice električnih kabela nazivnih napona 1 kV (Um = 1,2 kV) i 3 kV (Um = 3,6 kV)

IEC 60800:2021 en

Heating cables with a rated voltage up to and including 300/500 V for comfort heating and prevention of ice formation  
Grijači kabeli nazivnog napona do i uključujući 300/500 V za grijanje i sprečavanje stvaranja leda

IEC 60840:2020 en  
Power cables with extruded insulation and their accessories for rated voltages above 30 kV (Um = 36 kV) up to 150 kV (Um = 170 kV) – Test methods and requirements  
Energetski kabeli s ekstrudiranom izolacijom i njihov pribor za nazivne napone iznad 30 kV (Um = 36 kV) do 150 kV (Um = 170 kV) – Ispitne metode i zahtjevi

IEC 60853-1:1985/am2:2008 en  
Calculation of the cyclic and emergency current rating of cables – Part 1: Cyclic rating factor for cables up to and including 18/30 (36) kV  
Proračun cikličke vrijednosti struje kabela i struje preopterećenja – 1. dio: Faktor cikličke opteretivosti za kabele do 18/30(36) kV

IEC 60949:1988/am1:2008 en  
Calculation of thermally permissible short-circuit currents, taking into account non-adiabatic heating effects  
Proračun termički dopustivih struja kratkog spoja, uzimajući u obzir učinke neadijatskog zagrijavanja

IEC 60986:2000 en  
Short-circuit temperature limits of electric cables with rated voltages from 6 kV (Um = 7,2 kV) up to 30 kV (Um = 36 kV)  
Granične vrijednosti temperatura električnih kabela nazivnog napona od 6 kV (Um = 7,2 kV) do 30 kV (Um = 36 kV)

IEC 60986:2000/am1:2008 en  
Short-circuit temperature limits of electric cables with rated voltages from 6 kV (Um = 7,2 kV) up to 30 kV (Um = 36 kV)  
Granične vrijednosti temperatura električnih kabela nazivnog napona od 6 kV (Um = 7,2 kV) do 30 kV (Um = 36 kV)

IEC 62067:2022 en  
Power cables with extruded insulation and their accessories for rated voltages above 150 kV (Um = 170 kV) up to 500 kV (Um = 550 kV) – Test methods and requirements  
Energetski kabeli s ekstrudiranom izolacijom i njihov pribor za nazivne napone iznad 150 kV (Um = 170 kV) do 500 kV (Um = 550 kV) – Ispitne metode i zahtjevi

## HZN/TO E22, Energetska elektronika

EN IEC 62040-1:2019/prA2:2022 en  
Amendment 2 – Uninterruptible power systems (UPS)  
– Part 1: Safety requirements (IEC 62040-1/am2 ED2)

## HZN/TO E23, Električni instalacijski pribor

prEN IEC 62752:2022 en  
In-cable control and protection device for mode 2 charging of electric road vehicles (IC-CPD) (IEC 62752 ED2)  
Upravljački i zaštitni uređaj unutar kabela (IC-CPD) za punjenje električnih cestovnih vozila načinom "2" (IEC 62752 ED2)

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

prEN 50172 en  
Emergency escape lighting systems  
Sustavi rasvjete za slučaj opasnosti

prEN IEC 62471-7:2022 en  
Photobiological safety of lamps and lamp systems – Part 7: Light sources and luminaires primarily emitting visible radiation (IEC 62471-7 ED1)

## HZN/TO E38, Mjerni transformatori

prEN IEC 61869-1:2022 en  
Instrument transformers – Part 1: General requirements (IEC 61869-1 ED2)  
Mjerni transformatori – 1. dio: Opći zahtjevi (IEC 61869-1 ED2)

## HZN/TO E45, Nuklearna instrumentacija

prEN IEC 62387 en  
Radiation protection instrumentation – Dosimetry systems with integrating passive detectors for individual, workplace and environmental monitoring of photon and beta radiation (IEC 62387:2020)  
Instrumentacija u zaštiti od zračenja – Pasivni integrirajući dozimetrijski sustavi za praćenje izloženosti osoba, radnih mjesta i okoliša fotonskom i beta zračenju (IEC 62387:2020)

prEN IEC 62387/prAA en  
Radiation protection instrumentation – Dosimetry systems with integrating passive detectors for individual, workplace and environmental monitoring of photon and beta radiation  
Instrumentacija u zaštiti od zračenja – Pasivni integrirajući dozimetrijski sustavi za praćenje izloženosti osoba, radnih mjesta i okoliša fotonskom i beta zračenju

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

prEN IEC 62351-3:2022 en  
Power systems management and associated information exchange – Data and communications security – Part 3: Communication network and system security – Profiles including TCP/IP (IEC 62351-3 ED2)  
Upravljanje energetskim sustavima i povezana razmjena podataka – Sigurnost podataka i komunikacija – 3. dio: Sigurnost komunikacijske mreže i sustava – Profili koji uključuju TCP/IP (IEC 62351-3 ED2)

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

EN 60335-2-53:2011/prA2 en  
Household and similar electrical appliances – Safety – Part 2-53: Particular requirements for sauna heating appliances and infrared cabins (IEC 60335-2-53:2011/am2:2021)  
Kućanski i slični električni aparati – Sigurnost – Dio 2-53: Posebni zahtjevi za grijalice sauna i kabine s infracrvenim grijanjem (IEC 60335-2-53:2011/am2:2021)

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

EN IEC 60601-2-76:2019/prA1:2022 en  
Medical electrical equipment – Part 2-76: Particular requirements for the basic safety and essential performance of low energy ionized gas haemostasis equipment (IEC 60601-2-76/am1 ED1)  
Medicinska električna oprema – Dio 2-76: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke opreme za hemostazu niskoenergetskim ioniziranim plinom (IEC 60601-2-76/am1 ED1)

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

HD 60364-5-53:2022 en  
Low-voltage electrical installations – Part 5-53: Selection and erection of electrical equipment – Switchgear and controlgear  
Niskonaponske električne instalacije – Dio 5-53: Odabir i ugradnja električne opreme – Sklopni i upravljački uređaji

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

prEN IEC 63278-1:2022 en  
Asset Administration Shell for industrial applications – Part 1: Asset Administration Shell structure (IEC 63278-1 ED1)

prEN IEC 63376:2022 en  
INDUSTRIAL FACILITY ENERGY MANAGEMENT SYSTEM (FEMS) – Functions and Information Flows (IEC 63376 ED1)  
SUSTAV ZA UPRAVLJANJE ENERGIJOM U INDUSTRIJSKIM POSTROJENJIMA – Funkcije i tokovi informacija (IEC 63376 ED1)

## HZN/TO E79, Alarmni sustavi

EN 50518:2019/prA1 en  
Monitoring and Alarm Receiving Centre  
Centar za nadzor i prijam alarma

## HZN/TO E81, Zaštita od munje

prEN IEC 62561-5:2022 en  
Lightning protection system components (LPSC) – Part 5: Requirements for earth electrode inspection housings and earth electrode seals (IEC 62561-5 ED3)  
Komponente sustava zaštite od munje (LPSC) – 5. dio: Zahtjevi za uzemne zdence i brtvenice vodiča uzemljivača (IEC 62561-5 ED3)

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

prEN IEC 60071-2:2022 en  
Insulation co-ordination – Part 2: Application guidelines (Proposed horizontal standard) (IEC 60071-2 ED5)

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

prEN IEC 60728-106:2022 en  
Optical equipment for systems loaded with digital channels only (IEC 60728-106 ED1)

prEN IEC 62680-4-1:2022 en  
Universal Serial Bus interfaces for data and power – Part 4-1: Universal Serial Bus 4™ Specification (IEC 62680-4-1 ED1)

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

EN IEC 55036:2020/prA1:2022 en  
Amendment 1 – Electric and hybrid electric road vehicles – Radio disturbance characteristics – Limits and methods of measurement for the protection of off-board receivers below 30 MHz (CISPR 36/am1 ED1)  
Amendment 1 – Električna i hibridna cestovna vozila – Karakteristike radiosmetnja – Granice i metode mjerenja za zaštitu prijamnika izvan vozila na frekvencijama ispod 30 MHz (CISPR 36/am1 ED1)

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

prEN 50600-2-4 en  
Information technology – Data centre facilities and infrastructures – Part 2-4: Telecommunications cabling infrastructure  
Informacijska tehnologija – Sredstva i infrastrukture podatkovnih centara – Dio 2-4: Infrastruktura telekomunikacijskog kabliranja

prEN 50700 en  
Information technology – Premises distribution access network (PDAN) cabling to support deployment of optical broadband networks  
Informacijska tehnologija – Kabliranje distribucijskog dijela pristupne mreže u korisničkim prostorima (PDAN) namijenjeno podršci implementacije optičkih širokopojsnih mreža

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

Draft EN 302 208 V3.4.0:2022 en  
Radio Frequency Identification Equipment operating in the band 865 MHz to 868 MHz with power levels up to 2 W and in the band 915 MHz to 921 MHz with power levels up to 4 W – Harmonised Standard for access to radio spectrum  
Radiofrekvencijska oprema za identifikaciju koja radi u pojasu od 865 MHz do 868 MHz s razinom snage do 2 W i u pojasu od 915 MHz do 921 MHz s razinom snage do 4 W – Harmonizirana norma za pristup radijskom spektru

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

prEN 17861 en  
Resilient, textile, laminate and modular mechanical locked floor coverings – Circular Economy – Terms and definitions

## **HZN/TU B1, Graditeljstvo 1**

prEN 16687 en  
Construction products: Assessment of release of dangerous substances – Terminology  
Građevni proizvodi: Procjena otpuštanja opasnih tvari – Nazivlje

prEN 17195 en  
Construction products: Assessment of release of dangerous substances – Analysis of inorganic substances in eluates  
Građevni proizvodi: Procjena otpuštanja opasnih tvari – Analiza anorganskih tvari u eluatima

prEN 17196 en  
Construction products: Assessment of release of dangerous substances – Digestion by aqua regia for subsequent analysis of inorganic substances  
Građevni proizvodi: Procjena otpuštanja opasnih tvari – Digestija zlatotopkom za naknadnu analizu anorganskih tvari

prEN 17197 en  
Construction products: Assessment of release of dangerous substances – Analysis of inorganic substances in digests and eluates – Analysis by inductively coupled plasma optical emission spectrometry (ICP-OES)  
Građevni proizvodi: Procjena otpuštanja opasnih tvari – Analiza anorganskih tvari u produktima digestije i eluatima – Analiza optičkom emisijom spektrometrijom s induktivno spregnutom plazmom

prEN 17200 en  
Construction products: Assessment of release of dangerous substances – Analysis of inorganic substances in digests and eluates – Analysis by inductively coupled plasma mass spectrometry (ICP-MS)  
Građevni proizvodi: Procjena otpuštanja opasnih tvari – Analiza makroelemenata, mikroelemenata i elemenata u tragovima u produktima digestije i eluatima spektrometrijom masa s induktivno spregnutom plazmom (ICP-MS)

prEN 17201 en  
Construction products: Assessment of release of dangerous substances – Content of inorganic substances – Methods for analysis of aqua regia digests  
Građevni proizvodi: Procjena otpuštanja opasnih tvari – Sadržaj anorganskih tvari – Metode analize produkata digestije zlatotopkom

prEN 17331 en  
Construction products: Assessment of release of dangerous substances – Content of organic substances – Methods for extraction and analysis  
Građevni proizvodi: Procjena otpuštanja opasnih tvari – Sadržaj organskih tvari – Metode ekstrakcije i analize

prEN 17332 en  
Construction products: Assessment of release of dangerous substances – Analysis of organic substances in eluates  
Građevni proizvodi: Procjena otpuštanja opasnih tvari – Analiza organskih tvari u eluatima

prEN 17844 en  
Construction products: Assessment of release of dangerous substances – Determination of the content of polycyclic aromatic hydrocarbons (PAH) and of benzene, toluene, ethylbenzene and xylenes (BTEX) – Gas chromatographic method with mass spectrometric detection

prEN 17845 en  
Construction products: Assessment of release of dangerous substances – Determination of biocide residues using LC-MS/MS

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

prEN 13523-14 en  
Coil coated metals – Test methods – Part 14: Chalking (Helmen method)  
Prevučeni metali u namotajima – Metode ispitivanja – 14. dio: Kredanje (Helmenova metoda)

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

prEN ISO 11210 en  
Jewellery and precious metals – Determination of platinum in platinum alloys – Gravimetric determination after precipitation using ammonium chloride (ISO/DIS 11210:2022)  
Nakit i plemeniti metali – Određivanje platine u legurama platine – Gravimetrijsko određivanje nakon taloženja s amonijevim kloridom (ISO/DIS 11210:2022)

prEN ISO 11490 en  
Jewellery and precious metals – Determination of palladium in palladium alloys – Gravimetric determination after precipitation using dimethylglyoxime (ISO/DIS 11490:2022)  
Nakit i plemeniti metali – Određivanje paladija u legurama paladija – Gravimetrijsko određivanje nakon taloženja s dimetilglioksimom (ISO/DIS 11490:2022)

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

prEN ISO 24252 en  
Biogas systems – Non-household and non-gasification (ISO 24252:2021)  
Sustavi proizvodnje bioplina – Nekućanski sustavi bez uplinjavanja (ISO 24252:2021)

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

- prEN ISO 3107 en  
Dentistry – Zinc oxide/eugenol cements and zinc oxide/non-eugenol cements (ISO/FDIS 3107:2022)  
Stomatologija – Cementi od cinkova oksida i eugenola i cementi od cinkova oksida bez eugenola (ISO/FDIS 3107:2022)

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

- prEN 2591-100 en  
Aerospace series – Elements of electrical and optical connection – Test methods – Part 100: General  
Zrakoplovstvo – Elementi električne i optičke veze – Metode ispitivanja – 100. dio: Općenito
- prEN 2943 en  
Aerospace series – Inserts, MJ and M screw threads, helical coil – Technical specification  
Zrakoplovstvo – Zatici, sa MJ i M vijčanim navojem, sa spiralnim svitkom – Tehnička specifikacija
- EN 3373-001:2022 en  
Aerospace series – Terminal lugs and in-line splices for crimping on electric conductors – Part 001: Technical specification  
Zrakoplovstvo – Zadnje stopice i redni nastavci za krimpanje na električnim vodičima – Dio 001: Tehnička specifikacija
- prEN 3745-801 en  
Aerospace series – Fibres and cables, optical, aircraft use – Test methods – Part 801: Fibre movement under compression
- prEN 3841-100 en  
Aerospace series – Circuit breakers – Test methods – Part 100: General  
Zrakoplovstvo – Automatski osigurači – Metode ispitivanja – 100. dio: Općenito
- EN 4841-1:2022 en  
Aerospace series – Shock mount with bushes – Part 1: Technical specification
- EN 4841-2:2022 en  
Aerospace series – Shock mount with bushes – Part 2: Technical overview

## HZN/TU U1, Opća elektrotehnika 1

- prEN 50436-1 en  
Alcohol interlocks – Test methods and performance requirements – Part 1: Instruments having a mouthpiece and measuring breath alcohol for drink-driving-offender programs and general preventive use  
Blokada u slučaju alkoholiziranosti – Metode ispitivanja i izvedbeni zahtjevi – 1. dio: Instrumenti s usnikom za mjerenje alkoholiziranosti namijenjeni za programe kontrole prijestupnika pri vožnji pod utjecajem alkohola i za opću preventivnu uporabu
- prEN IEC 62321-3-4:2022 en  
Determination of certain substances in electrotechnical products – Part 3-4: Screening of Phthalates in polymers of electrotechnical products by high performance liquid chromatography with ultraviolet detector (HPLC-UV), thin layer chromatography (TLC) and thermal desorption mass spectrometry (TD-MS) (IEC 62321-3-4 ED1)  
Utvrđivanje određenih tvari u elektrotehničkim proizvodima – Dio 3-4: Provjera ftalata u polimerima u elektrotehničkim proizvodima tekućom kromatografijom visokog učinka sa ultraljubičastim detektorom (HPLC-UV), tankoslojnom kromatografijom (TLC) i spektrometrijom masa toplinskom desorpcijom (IEC 62321-3-4 ED1)

## HZN/TU V1, Elektronika 1

- prEN IEC 61076-2-115:2022 en  
Connectors for electrical and electronic equipment – Product requirements – Part 2-115: Circular connectors – Detail specification for 12-pole connectors with 2 A rated current and push-pull locking IP65/IP67 with metal housing (IEC 61076-2-115 ED1)
- prEN IEC 61076-8-103:2022 en  
Connectors for electrical and electronic equipment – Product requirements – Part 8-103: Power connectors – Detail specification for 2P+PE circular connectors with 20 A rated current and push-pull locking IP65/IP67 with metal housing (IEC 61076-8-103 ED1)

- prEN IEC 61076-8-104:2022 en  
Connectors for electrical and electronic equipment – Product requirements – Part 8-104: Power connectors – Detail specification for 2-pole circular connectors with 40 A rated current and push-pull locking IP65/IP67 with metal housing (IEC 61076-8-104 ED1)

- prEN IEC 61076-8-105:2022 en  
Connectors for electrical and electronic equipment – Product requirements – Part 8-105: Power connectors – Detail specification for 2-pole snap locking rectangular power connectors with plastic housing for rated current of 63 A and rated voltage 400V (IEC 61076-8-105 ED1)

- prEN IEC 61076-8-106:2022 en  
Connectors for electrical and electronic equipment – Product requirements – Part 8-106: Power connectors – Detail specification for 2-poles push-pull coupling rectangular connectors with fuses, for rated voltage of 400 V DC and rated current of 16 A (IEC 61076-8-106 ED1)

- prEN IEC 61076-8-107:2022 en  
Connectors for electrical and electronic equipment – Product requirements – Part 8-107: Power connectors – Detail specification for 2P 200 A, 1 000 V plus 2P 5 A 50 V rectangular housing shielded connectors with IP65/IP68 degree of protection when mated and locked, and IPXXB when unmated (IEC 61076-8-107 ED1)

- prEN IEC 61076-8-108:2022 en  
Connectors for electrical and electronic equipment – Product requirements – Part 8-108: Power connectors – Detail specification for 2P 250 A, 1 000 V plus 2P 5 A 50 V rectangular housing shielded connectors with IP65/IP68 degree of protection when mated and locked, and IPXXB when unmated (IEC 61076-8-108 ED1)

- prEN IEC 61076-8-109:2022 en  
Connectors for electrical and electronic equipment – Product requirements – Part 8-109: Power connectors – Detail specification for 2P 130 A, 1 000 V plus 2P 5 A 50 V rectangular housing shielded connectors with IP65/IP68 degree of protection when mated and locked, and IPXXB when unmated (IEC 61076-8-109 ED1)

- prEN IEC 61340-4-6:2022 en  
Electrostatics – Part 4-6: Standard test methods for specific applications – Wrist straps (IEC 61340-4-6 ED3)  
Elektrostatika – Dio 4-6: Standardne metode ispitivanja za posebne primjene – Remeni za zapešće (IEC 61340-4-6 ED3)

- prEN IEC 61969-1:2022 en  
Mechanical structures for electrical and electronic equipment – Outdoor enclosures – Part 1: Design guidelines (IEC 61969-1 ED4)  
Mehaničke konstrukcije za električnu i elektroničku opremu – Kućišta za vanjsku montažu – 1. dio: Smjernice za projektiranje (IEC 61969-1 ED4)

- prEN IEC 61969-3:2022 en  
Mechanical structures for electrical and electronic equipment – Outdoor enclosures – Part 3: Environmental requirements, tests and safety aspects (IEC 61969-3 ED4)  
Mehaničke konstrukcije za električnu i elektroničku opremu – Kućišta za vanjsku montažu – 3. dio: Zahtjevi okoline, ispitivanja i sigurnosni aspekti (IEC 61969-3 ED4)

## HZN/TU W1, Energetska elektrotehnika 1

- prHD 60269-3:2022 en  
Low-voltage fuses – Part 3: Supplementary requirements for fuses for use by unskilled persons (fuses mainly for household or similar applications) – Examples of standardized systems of fuses A to F (IEC 60269-3 ED5)  
Niskonaponski osigurači – 3. dio: Dodatni zahtjevi za osigurače kojima rukuju nestručne osobe (osigurači uglavnom za kućanstvo ili slične primjene) – Primjeri normiranih sustava osigurača A do F (IEC 60269-3 ED5)

- prEN IEC 61558-2-3:2022 en  
Safety of transformers, reactors, power supply units and combinations thereof – Part 2-3: Particular requirements and tests for ignition transformers for gas and oil burners (IEC 61558-2-3 ED3)  
Sigurnost transformatora, prigušnica, jedinica za napajanje i kombinacija od toga – Dio 2-3: Posebni zahtjevi i ispitivanja za transformatore za paljenje za plinske i uljne plamenike (IEC 61558-2-3 ED3)

prEN IEC 61558-2-7:2022 en

Safety of transformers, reactors, power supply units and combinations thereof – Part 2-7: Particular requirements and tests for transformers and power supply units for toys (IEC 61558-2-7 ED3)  
Sigurnost energetskih transformatora, jedinica za napajanje, prigušnica i sličnih proizvoda – Dio 2-7: Posebni zahtjevi i ispitivanja za transformatore i uređaje za napajanje za igračke (IEC 61558-2-7 ED3)

EN 61951-1:2017/prA1:2022 en

Secondary cells and batteries containing alkaline or other non-acid electrolytes – Secondary sealed cells and batteries for portable applications – Part 1: Nickel-Cadmium (IEC 61951-1/am1 ED4)  
Sekundarni članci i baterije koje sadrže alkalne ili druge nekisele elektrolite – Sekundarni zapečaćeni članci i baterije za primjenu u prijenosnim uređajima – 1. dio: Nikal-kadmij (IEC 61951-1/am1 ED4)

prEN IEC 62282-6-401:2022 en

Fuel cell technologies – Part 6-401: Micro fuel cell power systems – Power and data interchangeability – Performance test methods for laptop computers (IEC 62282-6-401 ED1)

## 1.4 Povučene hrvatske norme

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

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

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

HRN EN 12259-14:2020 en

Stabilni protupožarni sustavi – Dijelovi sustava za prskanje (sprinkler sustava) i sustava raspršene vode – 14. dio: Sprinkleri za stambene prostore (EN 12259-14:2020)  
Fixed firefighting systems – Components for sprinkler and water spray systems – Part 14: Sprinklers for residential applications (EN 12259-14:2020)  
- zamijenjena s: HRN EN 12259-14:2022

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

HRN EN ISO 15118-2:2016 en

Cestovna vozila – Komunikacijsko sučelje između vozila i električne mreže – 2. dio: Zahtjevi za mrežu i protokol primjene (ISO 15118-2:2014; EN ISO 15118-2:2016)  
Road vehicles – Vehicle-to-grid communication Interface – Part 2: Network and application protocol requirements (ISO 15118-2:2014; EN ISO 15118-2:2016)  
- zamijenjena s: HRN EN ISO 15118-20:2022

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

HRN EN ISO 11681-1:2013 en

Šumarska mehanizacija – Sigurnosni zahtjevi i ispitivanje motornih pila – 1. dio: Motorne pile za šumarsku praksu (ISO 11681-1:2011; EN ISO 11681-1:2011)  
Machinery for forestry – Portable chain-saw safety requirements and testing – Part 1: Chain-saws for forest service (ISO 11681-1:2011; EN ISO 11681-1:2011)  
- zamijenjena s: HRN EN ISO 11681-1:2022

HRN EN ISO 11681-2:2013 en

Šumarska mehanizacija – Sigurnosni zahtjevi i ispitivanje motornih pila – 2. dio: Motorne pile za njegu stabala (ISO 11681-2:2011; EN ISO 11681-2:2011)  
Machinery for forestry – Portable chain-saw safety requirements and testing – Part 2: Chain-saws for tree service (ISO 11681-2:2011; EN ISO 11681-2:2011)  
- zamijenjena s: HRN EN ISO 11681-2:2022

HRN EN ISO 11681-2:2013/A1:2017 en

Šumarska mehanizacija – Sigurnosni zahtjevi i ispitivanje prijenosnih motornih pila – 2. dio: Motorne pile za njegu stabala (ISO 11681-2:2011/Amd 1:2017; EN ISO 11681-2:2011/A1:2017)  
Machinery for forestry – Portable chain-saw safety requirements and testing – Part 2: Chain-saws for tree service (ISO 11681-2:2011/Amd 1:2017; EN ISO 11681-2:2011/A1:2017)  
- zamijenjena s: HRN EN ISO 11681-2:2022

HRN EN 13118:2010 en

Poljoprivredna mehanizacija – Oprema za skupljanje krumpira – Sigurnost (EN 13118:2000+A1:2009)  
Agricultural machinery – Potato harvesting equipment – Safety (EN 13118:2000+A1:2009)  
- zamijenjena s: HRN EN ISO 4254-17:2022

HRN EN 13140:2010 en

Poljoprivredna mehanizacija – Oprema za žetvu šećerne i stočne repe – Sigurnost (EN 13140:2000+A1:2009)  
Agricultural machinery – Sugar beet and fodder beet harvesting equipment – Safety (EN 13140:2000+A1:2009)  
- zamijenjena s: HRN EN ISO 4254-17:2022

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

HRN EN ISO 17405:2015 en

Nerazorno ispitivanje – Ultrazvučno ispitivanje – Tehnika ispitivanja obloga dobivenih zavarivanjem, valjanjem i eksplozijom (ISO 17405:2014; EN ISO 17405:2014)  
Non-destructive testing – Ultrasonic testing – Technique of testing claddings produced by welding, rolling and explosion (ISO 17405:2014; EN ISO 17405:2014)  
- zamijenjena s: HRN EN ISO 17405:2022

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

HRN EN ISO 10079-2:2014 en  
Medicinska usisna oprema – 2. dio: Ručno pogonjena usisna oprema (ISO 10079-2:2014; EN ISO 10079-2:2014)  
Medical suction equipment – Part 2: Manually powered suction equipment (ISO 10079-2:2014; EN ISO 10079-2:2014)  
- zamijenjena s: HRN EN ISO 10079-2:2022

HRN EN ISO 10079-3:2014 en  
Medicinska usisna oprema – 3. dio: Usisna oprema pogonjena vakuumom ili stlačenim plinom (ISO 10079-3:2014; EN ISO 10079-3:2014)  
Medical suction equipment – Part 3: Suction equipment powered from a vacuum or positive pressure gas source (ISO 10079-3:2014; EN ISO 10079-3:2014)  
- zamijenjena s: HRN EN ISO 10079-3:2022

## **HZN/TO 136, Namještaj**

HRN EN 14749:2016 en  
Namještaj – Kućni i kuhinjski elementi za pohranu i kuhinjske radne ploče – Sigurnosni zahtjevi i metode ispitivanja (EN 14749:2016)  
Furniture – Domestic and kitchen storage units and kitchen-worktops – Safety requirements and test methods (EN 14749:2016)  
- zamijenjena s: HRN EN 14749:2022

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

HRN EN 838:2010 en  
Profesionalna izloženost – Postupci mjerenja plinova i para uporabom difuznih uzorkovača – Zahtjevi i metode ispitivanja (EN 838:2010)  
Workplace exposure – Procedures for measuring gases and vapours using diffusive samplers – Requirements and test methods (EN 838:2010)  
- zamijenjena s: HRN EN ISO 23320:2022

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

HRN ISO 9211-4:2014 en  
Optika i fotonika – Optički slojevi – 4. dio: Specifične metode ispitivanja (ISO 9211-4:2012)  
Optics and photonics – Optical coatings – Part 4: Specific test methods (ISO 9211-4:2012)  
- zamijenjena s: HRN ISO 9211-4:2022

HRN ISO 10934-1:2005 en, fr, ru  
Optika i optički instrumenti – Rječnik mikroskopije – 1 dio: Optička mikroskopija (ISO 10934-1:2002)  
Optics and optical instruments – Vocabulary for microscopy – Part 1: Light microscopy (ISO 10934-1:2002)  
- zamijenjena s: HRN ISO 10934:2022

HRN ISO 14132-3:2015 en  
Optika i fotonika – Rječnik naziva za dalekozorne sustave – 3. dio: Nazivlje za optičke ciljnice (ISO 14132-3:2014)  
Optics and photonics – Vocabulary for telescopic systems – Part 3: Terms for telescopic sights (ISO 14132-3:2014)  
- zamijenjena s: HRN ISO 14132-3:2022

## **HZN/TO 178, Dizala, pokretne stube i pokretne trake za osobe**

HRN EN 81-21:2018 en  
Sigurnosna pravila za konstrukciju i ugradnju dizala – Dizala za transport osoba i tereta – 21. dio: Nova osobna dizala i osobna teretna dizala u postojećim zgradama (EN 81-21:2018)  
Safety rules for the construction and installation of lifts – Lifts for the transport of persons and goods – Part 21: New passenger and goods passenger lifts in existing building (EN 81-21:2018)  
- zamijenjena s: HRN EN 81-21:2022

HRN EN 81-58:2018 en  
Sigurnosna pravila za konstrukciju i ugradnju dizala – Pregledavanje i ispitivanje – 58. dio: Vrata voznog okna, ispitivanje vatrootpornosti (EN 81-58:2018)  
Safety rules for the construction and installation of lifts – Examination and tests – Part 58: Landing doors fire resistance test (EN 81-58:2018)  
- zamijenjena s: HRN EN 81-58:2022

HRN EN 81-71:2019 en  
Sigurnosna pravila za konstrukciju i ugradnju dizala – Posebna primjena za osobna dizala i osobna teretna dizala – 71. dio: Dizala otporna na vandalsko ponašanje (EN 81-71:2018+AC:2019)  
Safety rules for the construction and installation of lifts – Particular applications to passenger lifts and goods passenger lifts – Part 71: Vandal resistant lifts (EN 81-71:2018+AC:2019)  
- zamijenjena s: HRN EN 81-71:2022

HRN EN 81-77:2018 en  
Sigurnosna pravila za konstrukciju i ugradnju dizala – Posebna primjena za osobna dizala i osobna teretna dizala – 77. dio: Dizala izložena seizmičkim uvjetima (EN 81-77:2018)  
Safety rules for the construction and installations of lifts – Particular applications for passenger and goods passenger lifts – Part 77: Lifts subject to seismic conditions (EN 81-77:2018)  
- zamijenjena s: HRN EN 81-77:2022

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

HRN EN ISO 16808:2015 en  
Metalni materijali – Lim i traka – Određivanje krivulje dvoosnog naprezanja ispitivanjem dubokim izvlačenjem s optičkim mjernim sustavima (ISO 16808:2014; EN ISO 16808:2014)  
Metallic materials – Sheet and strip – Determination of biaxial stress-strain curve by means of bulge test with optical measuring systems (ISO 16808:2014; EN ISO 16808:2014)  
- zamijenjena s: HRN EN ISO 16808:2022

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

HRN EN ISO 12696:2017 en  
Katodna zaštita čelika u betonu (ISO 12696:2016; EN ISO 12696:2016)  
Cathodic protection of steel in concrete (ISO 12696:2016; EN ISO 12696:2016)  
- zamijenjena s: HRN EN ISO 12696:2022

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

HRN EN 12583:2014 en  
Plinska infrastruktura – Kompresorske stanice – Funkcionalni zahtjevi (EN 12583:2014)  
Gas infrastructure – Compressor stations – Functional requirements (EN 12583:2014)  
- zamijenjena s: HRN EN 12583:2022

HRN EN ISO 20519:2017 en  
Brodovi i pomorska tehnologija – Specifikacija za ukrcavanje goriva u brodove na ukapljeni prirodni plin (ISO 20519:2017; EN ISO 20519:2017)  
Ships and marine technology – Specification for bunkering of liquefied natural gas fuelled vessels (ISO 20519:2017; EN ISO 20519:2017)  
- zamijenjena s: HRN EN ISO 20519:2022

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

HRN ISO/TS 3716:2007 en  
Hidrometrija – Operativni zahtjevi i značajke ovjesne opreme za uzorkovanje suspendiranog nanosa (ISO/TS 3716:2006)  
Hydrometry – Functional requirements and characteristics of suspended-sediment samplers (ISO/TS 3716:2006)  
- zamijenjena s: HRN ISO 3716:2022

HRN ISO 13319:2008 en  
Određivanje raspodjele veličine čestica – Metoda područne električne osjetljivosti (ISO 13319:2007)  
Determination of particle size distributions – Electrical sensing zone method (ISO 13319:2007)  
- zamijenjena s: HRN ISO 13319-1:2022

HRN ISO 13322-2:2008 en  
Analiza veličine čestica – Metode zrcalne analize – 2. dio: Metode dinamičke zrcalne analize (ISO 13322-2:2006)  
Particle size analysis – Image analysis methods – Part 2: Dynamic image analysis methods (ISO 13322-2:2006)  
- zamijenjena s: HRN ISO 13322-2:2022



HRN ISO 15901-2:2008 en

Raspodjela veličine pora i poroznost krutih materijala dobivena živinim porozimetrom i plinskom adsorpcijom – 2. dio: Analiza mezopora i makropora plinskom adsorpcijom (ISO 15901-2:2006+Cor 1:2007)  
Pore size distribution and porosity of solid materials by mercury porosimetry and gas adsorption – Part 2: Analysis of mesopores and macropores by gas adsorption (ISO 15901-2:2006+Cor 1:2007)  
- zamijenjena s: HRN ISO 15901-2:2022

HRN ISO 15901-3:2008 en

Raspodjela veličine pora i poroznost krutih materijala živinim porozimetrom i plinskom adsorpcijom – 3. dio: Analiza mikropora plinskom adsorpcijom (ISO 15901-3:2007)  
Pore size distribution and porosity of solid materials by mercury porosimetry and gas adsorption – Part 3: Analysis of micropores by gas adsorption (ISO 15901-3:2007)  
- zamijenjena s: HRN ISO 15901-2:2022

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

HRN EN 16028:2012 en

Željeznički sustav – Upravljanje trenjem između kotača i tračnica – Sredstva za podmazivanje za primjenu na željezničkim vozilima i kolosijeku (EN 16028:2012)  
Railway applications – Wheel/rail friction management – Lubricants for trainborne and trackside applications (EN 16028:2012)  
- zamijenjena s: HRN EN 15427-2-1:2022

HRN EN 16334:2014 en

Željeznički sustav – Sustav alarmiranja od strane putnika – Zahtjevi za sustav (EN 16334:2014)  
Railway applications – Passenger Alarm System – System requirements (EN 16334:2014)  
- zamijenjena s: HRN EN 16334-1:2022

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

HRN ISO 4301-3:2001 en

Granici i dizalice – Podjela u pogonske skupine – 3. dio: Toranjski granici (ISO 4301-3:1993)  
Cranes and lifting appliances – Classification – Part 3: Tower cranes (ISO 4301-3:1993)  
- zamijenjena s: HRN ISO 4301-3:2022

HRN ISO 7752-5:2002 en

Granici – Upravljanje – Raspored upravljačkih elemenata i karakteristike – 5. dio: Mosni i portalni granici (ISO 7752-5:1985)  
Lifting appliances – Controls – Layout and characteristics – Part 5: Overhead travelling cranes and portal bridge cranes (ISO 7752-5:1985)  
- zamijenjena s: HRN ISO 7752-5:2022

HRN ISO 9373:2003 en

Granici i pripadajuća oprema – Zahtjevi na točnost mjernih parametara tijekom ispitivanja (ISO 9373:1989)  
Cranes and related equipment – Accuracy requirements for measuring parameters during testing (ISO 9373:1989)  
- bez zamjene

HRN ISO 9374-3:2014 en

Granici – Potrebni podaci u upitima, narudžbama, ponudama i isporuci – 3. dio: Toranjski granici (ISO 9374-3:2014)  
Cranes – Information to be provided for enquiries, orders, offers and supply – Part 3: Tower cranes (ISO 9374-3:2014)  
- bez zamjene

HRN ISO 9374-5:2002 en

Granici – Potrebne informacije – 5. dio: Mosni i portalni granici (ISO 9374-5:1991)  
Cranes – Information to be provided – Part 5: Overhead travelling cranes and portal bridge cranes (ISO 9374-5:1991)  
- zamijenjena s: HRN ISO 9374-5:2022

HRN ISO 11661:2002 en

Mobilni granici – Grafički prikaz područja rada za nazivne nosivosti (ISO 11661:1998)  
Mobile cranes – Presentation of rated capacity charts (ISO 11661:1998)  
- zamijenjena s: HRN ISO 11661:2022

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

HRN EN ISO 6346:2008 en

Kontejneri za teret – Kodiranje, identifikacija i označavanje (ISO 6346:1995; EN ISO 6346:1995)  
Freight containers – Coding, identification and marking (ISO 6346:1995; EN ISO 6346:1995)  
- zamijenjena s: HRN EN ISO 6346:2022

HRN EN ISO 6346:2008/A3:2013 en

Kontejneri za teret – Kodiranje, identifikacija i označavanje – 3. amandman (ISO 6346:1995/Amd 3:2012; EN ISO 6346:1995/A3:2012)  
Freight containers – Coding, identification and marking – Amendment 3 (ISO 6346:1995/Amd 3:2012; EN ISO 6346:1995/A3:2012)  
- zamijenjena s: HRN EN ISO 6346:2022

HRN EN 13094:2020 en

Spremnici za prijevoz opasnih tvari – Metalni spremnici s gravitacijskim pražnjenjem – Projektiranje i konstrukcija (EN 13094:2020)  
Tanks for the transport of dangerous goods – Metallic gravity discharge tanks – Design and construction (EN 13094:2020)  
- zamijenjena s: HRN EN 13094:2022

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

HRN EN 15632-1:2015 en

Cijevi za daljinsko grijanje – Sustavi predizoliranih savitljivih cijevi – 1. dio: Razredba, opći zahtjevi i metode ispitivanja (EN 15632-1:2009+A1:2014)  
District heating pipes – Pre-insulated flexible pipe systems – Part 1: Classification, general requirements and test methods (EN 15632-1:2009+A1:2014)  
- zamijenjena s: HRN EN 15632-1:2022

HRN EN 15632-2:2015 en

Cijevi za daljinsko grijanje – Sustavi predizoliranih savitljivih cijevi – 2. dio: Predizolirane plastične cijevi – Zahtjevi i metode ispitivanja (EN 15632-2:2010+A1:2014)  
District heating pipes – Pre-insulated flexible pipe systems – Part 2: Bonded plastic service pipes – Requirements and test methods (EN 15632-2:2010+A1:2014)  
- zamijenjena s: HRN EN 15632-2:2022

HRN EN 15632-3:2015 en

Cijevi za daljinsko grijanje – Sustavi predizoliranih savitljivih cijevi – 3. dio: Nespojivi sustav s plastičnim cijevima, zahtjevi i metode ispitivanja (EN 15632-3:2010+A1:2014)  
District heating pipes – Pre-insulated flexible pipe systems – Part 3: Non bonded system with plastic service pipes, requirements and test methods (EN 15632-3:2010+A1:2014)  
- zamijenjena s: HRN EN 15632-3:2022

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

HRN EN 12125:2013 en

Kemikalije koje se upotrebljavaju u obradi vode namijenjene ljudskoj uporabi – Natrijev tiosulfat (EN 12125:2012)  
Chemicals used for treatment of water intended for human consumption – Sodium thiosulfate (EN 12125:2012)  
- zamijenjena s: HRN EN 12125:2022

HRN EN 12174:2013 en

Kemikalije koje se upotrebljavaju u obradi vode namijenjene ljudskoj uporabi – Natrijev heksafluorosilikat (EN 12174:2013)  
Chemicals used for treatment of water intended for human consumption – Sodium hexafluorosilicate (EN 12174:2013)  
- zamijenjena s: HRN EN 12174:2022

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

HRN EN 174:2002 en

Osobna zaštita očiju – Skijaške zaštitne naočale za skijaški spust (EN 174:2001)  
Personal eye-protection – Ski goggles for downhill skiing (EN 174:2001)  
- zamijenjena s: HRN EN ISO 18527-1:2022

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

HRN EN ISO 28921-1:2017 en  
Industrijski zaporni uređaji – Zaporni uređaji za odvajanje za primjenu pri niskim temperaturama – 1. dio: Projektiranje, izrada i ispitivanje proizvodnje (ISO 28921-1:2013; EN ISO 28921-1:2017)  
Industrial valves – Isolating valves for low-temperature applications – Part 1: Design, manufacturing and production testing (ISO 28921-1:2013; EN ISO 28921-1:2017)  
- zamijenjena s: HRN EN ISO 28921-1:2022

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

HRN EN 12245:2012 en  
Prenosive plinske boce – Potpuno omotane kompozitne boce (EN 12245:2009+A1:2011)  
Transportable gas cylinders – Fully wrapped composite cylinders (EN 12245:2009+A1:2011)  
- zamijenjena s: HRN EN 12245:2022

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

HRN EN ISO 23537-1:2016 en  
Zahtjevi za vreće za spavanje – 1. dio: Toplinski zahtjevi i zahtjevi za dimenzije (ISO 23537-1:2016; EN ISO 23537-1:2016)  
Requirements for sleeping bags – Part 1: Thermal and dimensional requirements (ISO 23537-1:2016; EN ISO 23537-1:2016)  
- zamijenjena s: HRN EN ISO 23537-1:2022

HRN EN ISO 23537-1:2016/A1:2018 en  
Zahtjevi za vreće za spavanje – 1. dio: Toplinski zahtjevi i zahtjevi za dimenzije (ISO 23537-1:2016/Amd 1:2018; EN ISO 23537-1:2016/A1:2018)  
Requirements for sleeping bags – Part 1: Thermal and dimensional requirements (ISO 23537-1:2016/Amd 1:2018; EN ISO 23537-1:2016/A1:2018)  
- zamijenjena s: HRN EN ISO 23537-1:2022

## **HZN/TO 572, Kruti oporabljeni materijali uključujući kruta oporabljena goriva**

HRN EN 15413:2011 en  
Kruta oporabljena goriva – Metode za pripremu uzorka za ispitivanje iz laboratorijskog uzorka (EN 15413:2011)  
Solid recovered fuels – Methods for the preparation of the test sample from the laboratory sample (EN 15413:2011)  
- zamijenjena s: HRN EN ISO 21646:2022

HRN EN 15443:2011 en  
Kruta oporabljena goriva – Metode za pripremu laboratorijskog uzorka (EN 15443:2011)  
Solid recovered fuels – Methods for the preparation of the laboratory sample (EN 15443:2011)  
- zamijenjena s: HRN EN ISO 21646:2022

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

HRN ISO/TR 10017:2003 en  
Upute za statističke tehnike za ISO 9001:2000 (ISO/TR 10017:2003)  
Guidance on statistical techniques for ISO 9001:2000 (ISO/TR 10017:2003)  
- zamijenjena s: HRN ISO 10017:2022

HRS ISO/TS 17582:2014 en  
Sustavi upravljanja kvalitetom – Posebni zahtjevi primjene ISO 9001:2008 za organizacije koje provode izbore na svim razinama državne uprave (ISO/TS 17582:2014)  
Quality management systems – Particular requirements for the application of ISO 9001:2008 for electoral organizations at all levels of government (ISO/TS 17582:2014)  
- zamijenjena s: HRS ISO/TS 54001:2022

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

HRN EN ISO 8655-3:2008 en  
Klipna volumetrijska aparatura – 3. dio: Klipne birete (ISO 8655-3:2002; EN ISO 8655-3:2002)  
Piston-operated volumetric apparatus – Part 3: Piston burettes (ISO 8655-3:2002; EN ISO 8655-3:2002)  
- zamijenjena s: HRN EN ISO 8655-3:2022

HRN EN ISO 8655-3:2008/Ispr.1:2013 en  
Klipna volumetrijska aparatura – 3. dio: Klipne birete (ISO 8655-3:2002/Cor 1:2008; EN ISO 8655-3:2002/AC:2009)  
Piston-operated volumetric apparatus – Part 3: Piston burettes (ISO 8655-3:2002/Cor 1:2008; EN ISO 8655-3:2002/AC:2009)  
- zamijenjena s: HRN EN ISO 8655-3:2022

HRN EN ISO 8655-4:2008 en  
Klipna volumetrijska aparatura – 4. dio: Razrjeđivači (ISO 8655-4:2002; EN ISO 8655-4:2002)  
Piston-operated volumetric apparatus – Part 4: Dilutors (ISO 8655-4:2002; EN ISO 8655-4:2002)  
- zamijenjena s: HRN EN ISO 8655-4:2022

HRN EN ISO 8655-4:2008/Ispr.1:2013 en  
Klipna volumetrijska aparatura – 4. dio: Razrjeđivači (ISO 8655-4:2002/Cor 1:2008; EN ISO 8655-4:2002/AC:2009)  
Piston-operated volumetric apparatus – Part 4: Dilutors (ISO 8655-4:2002/Cor 1:2008; EN ISO 8655-4:2002/AC:2009)  
- zamijenjena s: HRN EN ISO 8655-4:2022

HRN EN ISO 8655-5:2008 en  
Klipna volumetrijska aparatura – 5. dio: Raspršivači (ISO 8655-5:2002; EN ISO 8655-5:2002)  
Piston-operated volumetric apparatus – Part 5: Dispensers (ISO 8655-5:2002; EN ISO 8655-5:2002)  
- zamijenjena s: HRN EN ISO 8655-5:2022

HRN EN ISO 8655-5:2008/Ispr.1:2013 en  
Klipna volumetrijska aparatura – 5. dio: Raspršivači (ISO 8655-5:2002/Cor 1:2008; EN ISO 8655-5:2002/AC:2009)  
Piston-operated volumetric apparatus – Part 5: Dispensers (ISO 8655-5:2002/Cor 1:2008; EN ISO 8655-5:2002/AC:2009)  
- zamijenjena s: HRN EN ISO 8655-5:2022

HRN EN ISO 8655-7:2008 en  
Klipna volumetrijska aparatura – 7. dio: Negravimetrijska metoda za ocjenu svojstava uređaja (ISO 8655-7:2005; EN ISO 8655-7:2005)  
Piston-operated volumetric apparatus – Part 7: Non-gravimetric methods for the assessment of equipment performance (ISO 8655-7:2005; EN ISO 8655-7:2005)  
- zamijenjena s: HRN EN ISO 8655-7:2022

HRN EN ISO 8655-7:2008/Ispr.1:2013 en  
Klipna volumetrijska aparatura – 7. dio: Negravimetrijska metoda za ocjenu svojstava uređaja (ISO 8655-7:2005/Cor 1:2008; EN ISO 8655-7:2005/AC:2009)  
Piston-operated volumetric apparatus – Part 7: Non-gravimetric methods for the assessment of equipment performance (ISO 8655-7:2005/Cor 1:2008; EN ISO 8655-7:2005/AC:2009)  
- zamijenjena s: HRN EN ISO 8655-7:2022

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

HRN EN 1757-3:2008 en  
Sigurnost industrijskih kamiona – Vozila za prijevoz tereta s potpunim ili djelomičnim ručnim upravljanjem – 3. dio: Vozila za prijevoz tereta s platformom (EN 1757-3:2002)  
Safety of industrial trucks – Pedestrian controlled manual and semi-manual trucks – Part 3: Platform trucks (EN 1757-3:2002)  
- zamijenjena s: HRN EN 1757:2022

HRN EN 3155-075:2011 en  
Nizovi o zrakoplovstvu – Električni kontakti koji se upotrebljavaju u elementima za povezivanje – 075. dio: Kontakti, električni, kvadratni, veličina 8, ženski, tip E, za krimpiranje, razreda R – Norma za proizvod (EN 3155-075:2009)  
Aerospace series – Electrical contacts used in elements of connection – Part 075: Contacts, electrical, quadrax, size 8, female, type E, crimp, class R – Product standard (EN 3155-075:2009)  
- zamijenjena s: HRN EN 3155-075:2022

HRN EN 3745-412:2009 en  
Nizovi o zrakoplovstvu – Vlakna i kabeli, optički, za zrakoplove – Metode ispitivanja – 412. dio: Otpornost na vlagu (EN 3745-412:2005)  
Aerospace series – Fibres and cables, optical, aircraft use – Test methods – Part 412: Humidity resistance (EN 3745-412:2005)  
- zamijenjena s: HRN EN 3745-412:2022

HRN EN 3838:2011 en  
Nizovi o zrakoplovstvu – Zahtjevi i ispitivanja korisničkih oznaka na električnim kabelima za zrakoplovstvo (EN 3838:2010)  
Aerospace series – Requirements and tests on user-applied markings on aircraft electrical cables (EN 3838:2010)  
- zamijenjena s: HRN EN 3838:2022

## 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.

### TO 521, *Usluge održavanja*

- **umjesto**  
HRN EN 15221-3:2012  
Upravljanje objektima i **sustavima podrške** – 3. dio: Smjernice za kvalitetu u području upravljanja objektima i **sustavima podrške** (EN 15221-3:2011)  
Facility Management – Part 3: Guidance on quality in Facility Management (EN 15221-3:2011)
- **treba biti**  
HRN EN 15221-3:2012  
Upravljanje objektima (**Facility management**) – 3. dio: Smjernice za kvalitetu u području upravljanja objektima (**Facility management**) (EN 15221-3:2011)  
Facility Management – Part 3: Guidance on quality in Facility Management (EN 15221-3:2011)
- **umjesto**  
HRN EN 15221-4:2012  
Upravljanje objektima i **sustavima podrške** – 4. dio: Taksonomija, klasifikacija i strukture u području upravljanja objektima i **sustavima podrške** (EN 15221-4:2011)  
Facility Management – Part 4: Taxonomy, Classification and Structures in Facility Management (EN 15221-4:2011)
- **treba biti**  
HRN EN 15221-4:2012  
Upravljanje objektima (**Facility management**) – 4. dio: Taksonomija, klasifikacija i strukture u području upravljanja objektima (**Facility management**) (EN 15221-4:2011)
- **umjesto**  
HRN EN 15221-5:2012  
Upravljanje objektima i **sustavima podrške** – 5. dio: Smjernice za procese u području upravljanja objektima i **sustavima podrške** (EN 15221-5:2011)  
Facility Management – Part 5: Guidance on Facility Management processes (EN 15221-5:2011)
- **treba biti**  
HRN EN 15221-5:2012  
Upravljanje objektima (**Facility management**) – 5. dio: Smjernice za procese u području upravljanja objektima (**Facility management**) (EN 15221-5:2011)
- **umjesto**  
HRN EN 15221-6:2012  
Upravljanje objektima i **sustavima podrške** – 6. dio: Mjerenje površina i prostora u području upravljanja objektima i **sustavima podrške** (EN 15221-6:2011)  
Facility Management – Part 6: Area and Space Measurement in Facility Management (EN 15221-6:2011)
- **treba biti**  
HRN EN 15221-6:2012  
Upravljanje objektima (**Facility management**) – 6. dio: Mjerenje površina i prostora u području upravljanja objektima (**Facility management**) (EN 15221-6:2011)  
Facility Management – Part 6: Area and Space Measurement in Facility Management (EN 15221-6:2011)
- **umjesto**  
HRN EN 15221-7:2012  
Upravljanje objektima i **sustavima podrške** – 7. dio: Usporedba značajki (EN 15221-7:2012)  
Facility Management – Part 7: Performance Benchmarking (EN 15221-7:2012)
- **treba biti**  
HRN EN 15221-7:2012  
Upravljanje objektima (**Facility management**) – 7. dio: Usporedba značajki (EN 15221-7:2012)  
Facility Management – Part 7: Performance Benchmarking (EN 15221-7:2012)

- **umjesto**  
HRN EN ISO 41001:2018  
Upravljanje objektima i **sustavima podrške** – Sustavi upravljanja – Zahtjevi sa smjericama za uporabu (ISO 41001:2018; EN ISO 41001:2018)  
Facility management – Management systems – Requirements with guidance for use (ISO 41001:2018; EN ISO 41001:2018)
- **treba biti**  
HRN EN ISO 41001:2018  
Upravljanje objektima (**Facility management**) – Sustavi upravljanja – Zahtjevi sa smjericama za uporabu (ISO 41001:2018; EN ISO 41001:2018)  
Facility management – Management systems – Requirements with guidance for use (ISO 41001:2018; EN ISO 41001:2018)
- **umjesto**  
HRN EN ISO 41011:2018  
Upravljanje objektima i **sustavima podrške** – Terminološki rječnik (ISO 41011:2017; EN ISO 41011:2018)  
Facility management – Vocabulary (ISO 41011:2017; EN ISO 41011:2018)
- **treba biti**  
HRN EN ISO 41011:2018  
Upravljanje objektima (**Facility management**) – Terminološki rječnik (ISO 41011:2017; EN ISO 41011:2018)  
Facility management – Vocabulary (ISO 41011:2017; EN ISO 41011:2018)
- **umjesto**  
HRN EN ISO 41012:2018  
Upravljanje objektima i **sustavima podrške** – Smjernice za stratešku nabavu i sastavljanje ugovora (ISO 41012:2017; EN ISO 41012:2018)  
Facility management – Guidance on strategic sourcing and the development of agreements (ISO 41012:2017; EN ISO 41012:2018)
- **treba biti**  
HRN EN ISO 41012:2018  
Upravljanje objektima (**Facility management**) – Smjernice za stratešku nabavu i sastavljanje ugovora (ISO 41012:2017; EN ISO 41012:2018)  
Facility management – Guidance on strategic sourcing and the development of agreements (ISO 41012:2017; EN ISO 41012:2018)
- **umjesto**  
HRN EN ISO 41014:2020  
Upravljanje objektima i **sustavima podrške** – Razvoj strategije upravljanja objektima i **sustavima podrške** (ISO 41014:2020; EN ISO 41014:2020)  
Facility management – Development of facility management strategy (ISO 41014:2020; EN ISO 41014:2020)
- **treba biti**  
HRN EN ISO 41014:2020  
Upravljanje objektima (**Facility management**) – Razvoj strategije upravljanja objektima (**Facility management**) (ISO 41014:2020; EN ISO 41014:2020)  
Facility management – Development of facility management strategy (ISO 41014:2020; EN ISO 41014:2020)

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

- **umjesto**  
HRN EN 15595:2018/Ispr.1:2021  
Željeznički sustav – Kočenje – Zaštita od proklizavanja (EN 15595:2018/AC:2021)  
Railway applications – Braking – Wheel slide protection (EN 15595:2018/AC:2021)
- **treba biti**  
HRN EN 15595:2019/Ispr.1:2021  
Željeznički sustav – Kočenje – Zaštita od proklizavanja (EN 15595:2018/AC:2021)  
Railway applications – Braking – Wheel slide protection (EN 15595:2018/AC:2021)

## HZN/TO E20, *Električni kabeli*

- **umjesto**

HRN IEC 61443:2009

Granične temperature kod kratkog spoja na električnim kabelima nazivnog napona iznad 30 kV (Um = 36 kV) (IEC 61443:2008+am1:2008)  
Short-circuit temperature limits of electric cables with rated voltages above 30 kV (Um = 36 kV) (IEC 61443:2008+am1:2008)

- **treba biti**

HRN IEC 61443:2009

Granične temperature kod kratkog spoja na električnim kabelima nazivnog napona iznad 30 kV (Um = 36 kV) (IEC 61443:1999+am1:2008)  
Short-circuit temperature limits of electric cables with rated voltages above 30 kV (Um = 36 kV) (IEC 61443:1999+am1:2008)

## 1.7 Naslovi objavljenih hrvatskih norma na hrvatskome jeziku

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

### HZN/ TO 74, *Cement i vapno*

HRS CEN/TS 12390-9:2016 en pr

Testing hardened concrete – Part 9: Freeze-thaw resistance with de-icing salts – Scaling (CEN/TS 12390-9:2016)  
Ispitivanje očvrstoga betona – 9. dio: Otpornost na smrzavanje i odmrzavanje – Ljuštenje (CEN/TS 12390-9:2016)

## 1.10 Prijevodi hrvatskih normativnih dokumenata

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

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

HRN EN 13411-1:2009 hr-en pr-pp

Završetci čelične užadi – Sigurnost – 1. dio: Uške za priveznice čelične užadi (EN 13411-1:2002+A1:2008)  
Terminations for steel wire ropes – Safety – Part 1: Thimbles for steel wire rope slings (EN 13411-1:2002+A1:2008)

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

Sljedeće hrvatske norme objavljene na engleskome jeziku sada su dostupne i na hrvatskome jeziku:

HRN EN 50499:2019 hr-en pr-pp

Postupak procjene izloženosti radnika elektromagnetskim poljima (EN 50499:2019)  
Procedure for the assessment of the exposure of workers to electromagnetic fields (EN 50499:2019)

HRN EN 50664:2019 hr-en pr-pp

Norma srodnih područja za dokazivanje sukladnosti opreme koju upotrebljavaju radnici, s ograničenjima izloženosti elektromagnetskim poljima (0 Hz - 300 GHz), pri puštanju u rad ili u radnoj okolini (EN 50664:2017)  
Generic standard to demonstrate the compliance of equipment used by workers with limits on exposure to electromagnetic fields (0 Hz - 300 GHz), when put into service or in situ (EN 50664:2017)

## 2 Rezultati međunarodne i europske normizacije

### Europska normizacija (CEN)

Oznaka norme	Naslov norme	ICS	Datum objave
EN 476	General requirements for components used in drains and sewers	23.040.05; 93.030	2022-04
EN 1421	Chemicals used for treatment of water intended for human consumption – Ammonium chloride	71.100.80	2022-04
EN 1787	Foodstuff – Detection of irradiated foodstuff containing cellulose by ESR spectroscopy	67.050	2022-04
EN 1888-1+A1	Child care articles – Wheeled child conveyances – Part 1: Pushchairs and prams	97.190	2022-04
EN 1996-1-1	Eurocode 6 – Design of masonry structures – Part 1-1: General rules for reinforced and unreinforced masonry structures	91.010.30; 91.080.30	2022-04
EN 2535	Aerospace series – Vacuum deposition of cadmium	49.040	2022-04
EN 4260	Aerospace series – Metallic materials – Rules for drafting and presentation of technical specifications	49.025.05; 49.025.15	2022-04
EN 4261	Aerospace series – Metallic materials – Rules for drafting and presentation of test method standards	49.025.05; 49.025.15	2022-04
EN 4387	Aerospace series – Non-metallic materials – Rules for drafting and presentation of technical specifications	49.025.99	2022-04
EN 12101-6	Smoke and heat control systems – Part 6: Specification for pressure differential systems – Kits	13.220.99	2022-04
EN 12101-13	Smoke and heat control systems – Part 13: Pressure differential systems (PDS) – Design and calculation methods, installation, acceptance testing, routine testing and maintenance	13.220.99	2022-04
EN 12120	Chemicals used for treatment of water intended for human consumption – Sodium hydrogen sulfite	71.100.80	2022-04
EN 12121	Chemicals used for treatment of water intended for human consumption – Sodium disulfite	71.100.80	2022-04
EN 12123	Chemicals used for treatment of water intended for human consumption – Ammonium sulfate	71.100.80	2022-04
EN 12124	Chemicals used for treatment of water intended for human consumption – Sodium sulfite	71.100.80	2022-04
EN 12126	Chemicals used for treatment of water intended for human consumption – Liquefied ammonia	71.100.80	2022-04
EN 12175	Chemicals used for treatment of water intended for human consumption – Hexafluorosilicic acid	71.100.80	2022-04
EN 12697-36	Bituminous mixtures – Test methods – Part 36: Determination of the thickness of bituminous pavement	93.080.20	2022-04
EN 12697-37	Bituminous mixtures – Test methods – Part 37: Hot sand test for the adhesivity of binder on pre-coated chippings for Hot-Rolled-Asphalt (HRA)	93.080.20	2022-04
EN 14081-3	Timber structures – Strength graded structural timber with rectangular cross section – Part 3: Machine grading; additional requirements for factory production control	79.040	2022-04
EN 14427	LPG equipment and accessories – Transportable refillable composite cylinders for LPG – Design and construction	23.020.35	2022-04
EN 14592	Timber structures – Dowel-type fasteners – Requirements	21.060.01; 91.080.20	2022-04
EN 14805	Chemicals used for treatment of water intended for human consumption – Sodium chloride for on site electrochlorination using non-membrane technology	71.100.80	2022-04
EN 14972-10	Fixed firefighting systems – Water mist systems – Part 10: Test protocol for atrium protection with sidewall nozzles for open nozzle systems	13.220.20	2022-04
EN 16186-8	Railway applications – Driver's cab – Part 8: Tram vehicle layout and access	45.060.10; 45.140	2022-04
EN 16370	Chemicals used for treatment of water intended for human consumption – Sodium chloride for on site electrochlorination using membrane cells	71.100.80	2022-04
CEN/TR 16411	Child care articles – Compiled interpretations of CEN/TC 252 standards	97.190	2022-04

Oznaka norme	Naslov norme	ICS	Datum objave
CEN/TS 17176-3	Plastics piping systems for water supply and for buried and above ground drainage, sewerage and irrigation under pressure – Oriented unplasticized poly(vinyl chloride) (PVC-O) – Part 3: Fittings	23.040.20; 23.040.45	2022-04
EN 17468-1	Fibre cement products – Determination of pull through and shear resistance and bending strength calculations – Part 1: Flat sheets	91.100.40	2022-04
CEN/TR 17608	State of the art on the use of flammable refrigerant alternatives, in particular from class A3, in refrigeration, air conditioning and heat pump equipment	71.100.45	2022-04
EN 17628	Fugitive and diffuse emissions of common concern to industry sectors – Standard method to determine diffuse emissions of volatile organic compounds into the atmosphere	13.040.40	2022-04
CEN/TS 17747	Molecular in vitro diagnostic examinations – Specifications for pre-examination processes for exosomes and other extracellular vesicles in venous whole blood – DNA, RNA and proteins	11.100.10	2022-04
EN 17748-1	Foundational Body of Knowledge for the ICT Profession (ICT BoK) – Part 1: Body of Knowledge	03.100.30; 35.020	2022-04
CEN/TS 17751	Inorganic fertilizers – Determination of specific parameters in ammonium nitrate fertilizers of high nitrogen content	65.080	2022-04
CEN/TS 17752	Inorganic fertilizers – Determination of specific inhibitors	65.080	2022-04
CEN/TS 17753	Inorganic fertilizers – Determination of specific contaminants	65.080	2022-04
CEN/TS 17754	Inorganic fertilizers – Determination of specific micronutrients	65.080	2022-04
CEN/TS 17755	Inorganic fertilizers – Determination of specific parameters	65.080	2022-04
CEN/TS 17756	Organic fertilizers, organo-mineral fertilizers, inorganic fertilizers and liming materials – Determination of the chloride content	65.080	2022-04
CEN/TS 17757	Inorganic fertilizers – Determination of specific nutrients	65.080	2022-04
CEN/TS 17758	Fertilizers and liming materials – Determination of the chloride content by potentiometric titration	65.080	2022-04
CEN/TS 17759	Inorganic fertilizers – Determination of pH of a solution of ammonium nitrate fertilizers of high nitrogen content	65.080	2022-04
CEN/TS 17760	Inorganic fertilizers – Determination of particle size of ammonium nitrate fertilizers of high nitrogen content	65.080	2022-04
CEN/TS 17761	Inorganic fertilizers – Determination of the chloride content in ammonium nitrate fertilizers of high nitrogen content	65.080	2022-04
CEN/TS 17762	Inorganic fertilizers – Determination of the copper content in ammonium nitrate fertilizers of high nitrogen content	65.080	2022-04
CEN/TS 17764	Inorganic micronutrient fertilizers – Determination of the concentration of free, chelated or complexed micronutrients and the chelating and/or complexing agents present in compound inorganic micronutrient fertilizers	65.080	2022-04
CEN/TS 17765	Organic and organo-mineral fertilizers – Determination of the biuret content by high-performance liquid chromatography (HPLC)	65.080	2022-04
CEN/TS 17766	Organic and organo-mineral fertilizers – Extraction by water for subsequent determination of elements	65.080	2022-04
CEN/TS 17767	Organic and organo-mineral fertilizers – Extraction of phosphorus by formic acid	65.080	2022-04
CEN/TS 17768	Organic and organo-mineral fertilizers – Digestion by aqua regia for subsequent determination of elements	65.080	2022-04
CEN/TS 17769	Organic and organo-mineral fertilizers – Determination of the mercury content	65.080	2022-04
CEN/TS 17770	Organic and organo-mineral fertilizers – Determination of the total content of specific elements by ICP-AES after digestion by aqua regia	65.080	2022-04
CEN/TS 17771	Organic and organo-mineral fertilizers – Determination of the nitrogen content	65.080	2022-04

Oznaka norme	Naslov norme	ICS	Datum objave
CEN/TS 17772	Organic and organo-mineral fertilizers – Determination of specific parameters	65.080	2022-04
CEN/TS 17773	Organic and organo-mineral fertilizers – Determination of the dry matter content	65.080	2022-04
CEN/TS 17774	Organic and organo-mineral fertilizers – Determination of the content of specific elements by ICP-AES after extraction by water	65.080	2022-04
CEN/TS 17775	Organic and organo-mineral fertilizers – Determination of the inorganic arsenic content	65.080	2022-04
CEN/TS 17776	Organic and organo-mineral fertilizers – Determination of the total organic carbon (TOC) content by dry combustion	65.080	2022-04
CEN/TS 17777	Organic and organo-mineral fertilizers – Determination of specific elements	65.080	2022-04
CEN/TS 17778	Organic and organo-mineral fertilizers – Determination of the chromium (VI) content by chromatography	65.080	2022-04
CEN/TS 17779	Organo-mineral fertilizers – Extraction of phosphorus, which is soluble in neutral ammonium citrate	65.080	2022-04
CEN/TS 17780	Organic, organo-mineral and inorganic fertilizers – Detection of Salmonella spp.	65.080	2022-04
CEN/TS 17781	Organic, organo-mineral and inorganic fertilizers – Detection of Escherichia coli	65.080	2022-04
CEN/TS 17782	Fertilizing products – Determination of the stability of fertilizing products containing micronutrient chelates at different pHs	65.080	2022-04
CEN/TS 17783	Fertilizing products – Determination of the stability of fertilizing products containing micronutrient complexes	65.080	2022-04
CEN/TS 17784-1	Organo-mineral fertilizers – Identification of complexing agents – Part 1: Method using UV-Vis spectrophotometry and gravimetry	65.080	2022-04
CEN/TS 17784-2	Organo-mineral fertilizers – Identification of complexing agents – Part 2: Method using high-performance liquid chromatography (HPLC)	65.080	2022-04
CEN/TS 17785	Organo-mineral fertilizers – Determination of chelating and complexing agents	65.080	2022-04
CEN/TS 17786-1	Inorganic micronutrient fertilizers – Determination of the chelated micronutrient content and the chelated fraction of micronutrients – Part 1: Treatment with a cation exchange resin	65.080	2022-04
CEN/TS 17786-2	Inorganic micronutrient fertilizers – Determination of the chelated micronutrient content and the chelated fraction of micronutrients – Part 2: Determination of EDTA, DTPA, HEEDTA, IDHA or EDDS	65.080	2022-04
CEN/TS 17787	Fertilizing products – Stability of chelating and complexing agents	65.080	2022-04
CEN/TS 17788	Organo-mineral fertilizers – Determination of the fraction of complexed micronutrients	65.080	2022-04
CEN/TS 17789-1	Organo-mineral fertilizers – Identification of chelating agents – Part 1: Determination of EDTA, HEEDTA and DTPA by ion chromatography	65.080	2022-04
CEN/TS 17789-2	Organo-mineral fertilizers – Identification of chelating agents – Part 2: Determination of Fe chelated by [o,o] EDDHA, [o,o] EDDHMA and HBED, or the amount of chelating agents by ion pair chromatography	65.080	2022-04
CEN/TS 17790	Organo-mineral fertilizers – Determination of the chelated micronutrient content and the chelated fraction of micronutrients by treatment with a cation exchange resin	65.080	2022-04
CEN/TS 17791	Inorganic fertilizers – Determination of chelating and complexing agents	65.080	2022-04
CEN/TR 17798	Optimal design of hydrometric networks	07.060	2022-04
CEN/TR 17802	e-Competence performance indicators and common metrics	35.020	2022-04

Oznaka norme	Naslov norme	ICS	Datum objave
CEN/TR 17810	Durability of wood and wood-based products – Interpretation document for standards related to efficacy requirements and specifications of wood preservatives	79.060.01; 79.080	2022-04
EN ISO 638-1	Paper, board, pulps and cellulosic nanomaterials – Determination of dry matter content by oven-drying method – Part 1: Materials in solid form (ISO 638-1:2022)	85.040; 85.060	2022-04
EN ISO 3459	Plastic piping systems – Mechanical joints between fittings and pressure pipes – Test method for leaktightness under negative pressure (ISO 3459:2022)	23.040.60	2022-04
EN ISO 4254-17	Agricultural machinery – Safety – Part 17: Root crop harvesters (ISO 4254-17:2022)	65.060.50	2022-04
EN ISO 4373	Hydrometry – Water level measuring devices (ISO 4373:2022)	17.120.20	2022-04
EN ISO 5402-1	Leather – Determination of flex resistance – Part 1: Flexometer method (ISO 5402-1:2022)	59.140.30	2022-04
EN ISO 7010/A2	Graphical symbols – Safety colours and safety signs – Registered safety signs – Amendment 2 (ISO 7010:2019/Amd 2:2020)	01.080.10; 01.080.20	2022-04
EN ISO 7010/A3	Graphical symbols – Safety colours and safety signs – Registered safety signs – Amendment 3 (ISO 7010:2019/Amd 3:2021)	01.080.10; 01.080.20	2022-04
EN ISO 8330	Rubber and plastics hoses and hose assemblies – Vocabulary (ISO 8330:2022)	01.040.23; 23.040.70	2022-04
EN ISO 9016	Destructive tests on welds in metallic materials – Impact tests – Test specimen location, notch orientation and examination (ISO 9016:2022)	25.160.40	2022-04
CEN ISO/TR 9241-312	Ergonomics of human-system interaction – Part 312: Readability of electrophoretic displays (ISO/TR 9241-312:2020)	13.180; 35.180	2022-04
CEN ISO/TR 9241-810	Ergonomics of human-system interaction – Part 810: Robotic, intelligent and autonomous systems (ISO/TR 9241-810:2020)	13.180	2022-04
EN ISO 9488	Solar energy – Vocabulary (ISO 9488:2022)	01.040.27; 27.160	2022-04
EN ISO 10545-18	Ceramic tiles – Part 18: Determination of Light Reflectance Value (LRV) (ISO 10545-18:2022)	91.100.23	2022-04
CEN ISO/TR 11064-10	Ergonomic design of control centres – Part 10: Introduction to the control room design series of standards (ISO/TR 11064-10:2020)	13.180	2022-04
EN ISO 11358-1	Plastics – Thermogravimetry (TG) of polymers – Part 1: General principles (ISO 11358-1:2022)	83.080.01	2022-04
EN ISO 12863	Standard test method for assessing the ignition propensity of cigarettes (ISO 12863:2022)	13.220.40; 65.160	2022-04
EN ISO 16321-1	Eye and face protection for occupational use – Part 1: General requirements (ISO 16321-1:2021)	13.340.20	2022-04
EN ISO 16321-3	Eye and face protection for occupational use – Part 3: Additional requirements for mesh protectors (ISO 16321-3:2021)	13.340.20	2022-04
EN ISO 17138	Fine ceramics (advanced ceramics, advanced technical ceramics) – Mechanical properties of ceramic composites at room temperature – Determination of flexural strength (ISO 17138:2014)	81.060.30	2022-04
EN ISO 17139	Fine ceramics (advanced ceramics, advanced technical ceramics) – Thermophysical properties of ceramic composites – Determination of thermal expansion (ISO 17139:2014)	81.060.30	2022-04
EN ISO 18608	Fine ceramics (advanced ceramics, advanced technical ceramics) – Mechanical properties of ceramic composites at ambient temperature in air atmospheric pressure – Determination of the resistance to crack propagation by notch sensitivity testing (ISO 18608:2017)	81.060.30	2022-04
EN ISO 18752	Rubber hoses and hose assemblies – Wire- or textile-reinforced single-pressure types for hydraulic applications – Specification (ISO 18752:2022)	23.040.70	2022-04



Oznaka norme	Naslov norme	ICS	Datum objave
EN ISO 18754	Fine ceramics (advanced ceramics, advanced technical ceramics) – Determination of density and apparent porosity (ISO 18754:2020)	81.060.30	2022-04
EN ISO 19629	Fine ceramics (advanced ceramics, advanced technical ceramics) – Thermophysical properties of ceramic composites – Determination of unidimensional thermal diffusivity by flash method (ISO 19629:2018)	81.060.30	2022-04
EN ISO 19712-3	Plastics – Decorative solid surfacing materials – Part 3: Determination of properties – Solid surface shapes (ISO 19712-3:2022)	83.140.20	2022-04
CEN ISO/TS 20048-1	Solid biofuels – Determination of off-gassing and oxygen depletion characteristics – Part 1: Laboratory method for the determination of off-gassing and oxygen depletion using closed containers (ISO/TS 20048-1:2020)	27.190; 75.160.40	2022-04
CEN ISO/TS 20049-2	Solid biofuels – Determination of self-heating of pelletized biofuels – Part 2: Basket heating tests (ISO/TS 20049-2:2020)	27.190; 75.160.40	2022-04
CEN ISO/TR 20342-7	Assistive products for tissue integrity when lying down – Part 7: Foam properties, characteristics and performance (ISO/TR 20342-7:2021)	11.180.01	2022-04
CEN ISO/TS 20342-10	Assistive products for tissue integrity when lying down – Part 10: Guidance to cleaning, disinfecting and care of polyurethane APTI covers (ISO/TS 20342-10:2022)	11.180.01	2022-04
EN ISO 22057	Sustainability in buildings and civil engineering works – Data templates for the use of environmental product declarations (EPDs) for construction products in building information modelling (BIM) (ISO 22057:2022)	35.240.67; 91.040.01	2022-04
CEN ISO/TR 22100-5	Safety of machinery – Relationship with ISO 12100 – Part 5: Implications of artificial intelligence machine learning (ISO/TR 22100-5:2021)	13.110	2022-04
EN ISO 22434	Gas cylinders – Inspection and maintenance of valves (ISO 22434:2022)	23.020.35; 23.060.01	2022-04
EN ISO 22459	Fine ceramics (advanced ceramics, advanced technical ceramics) – Reinforcement of ceramic composites – Determination of distribution of tensile strength and tensile strain to failure of filaments within a multifilament tow at ambient temperature (ISO 22459:2020)	81.060.30	2022-04
EN ISO 23319	Cheese and processed cheese products, caseins and caseinates – Determination of fat content – Gravimetric method (ISO 23319:2022)	67.100.30	2022-04
EN ISO 29463-5	High-efficiency filters and filter media for removing particles in air – Part 5: Test method for filter elements (ISO 29463-5:2022)	91.140.30	2022-04

## Europska normizacija (CENELEC)

Oznaka norme	Naslov norme	ICS	Datum objave
CLC/TS 50136-10	Alarm systems – Alarm transmission systems and equipment – Part 10: Requirements for remote access	13.320; 33.040.40	2022-04
EN 50411-3-6	Fibre management systems and protective housings to be used in optical fibre communication systems – Product specifications – Part 3-6: Multi-mode mechanical fibre splice	33.180.20	2022-04
EN 50411-6-1	Fibre management systems and protective housings to be used in optical fibre communication systems – Product specifications – Part 6-1: Unprotected microduct for category S and A	33.180.20	2022-04
EN 50491-12-2	General requirements for Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS) – Part 12-2: Smart grid – Application specification – Interface and framework for customer – Interface between the Home / Building CEM and Resource manager(s) – Data model and messaging	13.020.80; 91.140.50; 97.120	2022-04
CLC/TR 50727	Material efficiency – Household and similar electrical appliances – Assessment of applicability of EN 4555X	13.020.01; 13.020.20; 97.030	2022-04
EN 55016-1-6/A2	Specification for radio disturbance and immunity measuring apparatus and methods – Part 1-6: Radio disturbance and immunity measuring apparatus – EMC antenna calibration (CISPR 16-1-6:2014/AMD2:2022)	33.100.01; 33.100.10; 33.100.20	2022-04
EN 60061-1/A11	Lamp caps and holders together with gauges for the control of interchangeability and safety – Part 1: Lamps caps	29.140.10	2022-04
EN 60061-1/A59	Lamp caps and holders together with gauges for the control of interchangeability and safety – Part 1: Lamps Caps (IEC 60061-1:1969/A59:2019)	29.140.10	2022-04
EN IEC 60118-16	Electroacoustics – Hearing aids – Part 16: Definition and verification of hearing aid features (IEC 60118-16:2022)	11.180.15; 17.140.50	2022-04
EN IEC 60300-3-4	Dependability management – Part 3-4: Application guide – Specification of dependability requirements (IEC 60300-3-4:2022)	03.100.40; 03.120.01; 03.120.10; 29.020	2022-04
EN IEC 60598-1/A11	Luminaires – Part 1: General requirements and tests	13.020-80; 29.140.40	2022-04
EN IEC 60645-6	Electroacoustics – Audiometric equipment – Part 6: Instruments for the measurement of otoacoustic emissions (IEC 60645-6:2022)	13.140; 17.140.50	2022-04
EN IEC 60749-28	Semiconductor devices – Mechanical and climatic test methods – Part 28: Electrostatic discharge (ESD) sensitivity testing – Charged device model (CDM) – device level (IEC 60749-28:2022)	31.080.01	2022-04
EN IEC 60794-1-220	Optical fibre cables – Part 1-220: Generic specification – Basic optical cable test procedures – Environmental test methods – Salt spray corrosion test, method F20 (IEC 60794-1-220:2022)	33.180.10	2022-04
EN IEC 60794-3	Optical fibre cables – Part 3: Outdoor cables – Sectional specification (IEC 60794-3:2022)	33.180.10	2022-04
EN IEC 60947-5-2/A11	Low-voltage switchgear and controlgear – Part 5-2: Control circuit devices and switching elements – Proximity switches	29.120.40; 29.130.20	2022-04
EN IEC 61000-4-20	Electromagnetic compatibility (EMC) – Part 4-20: Testing and measurement techniques – Emission and immunity testing in transverse electromagnetic (TEM) waveguides (IEC 61000-4-20:2022)	33.100.01; 33.100.10; 33.100.20	2022-04
EN IEC 61010-2-012	Safety requirements for electrical equipment for measurement, control and laboratory use – Part 2-012: Particular requirements for climatic and environmental testing and other temperature conditioning equipment (IEC 61010-2-012:2019)	19.080; 71.040.20	2022-04
EN IEC 61010-2-012/A11	Safety requirements for electrical equipment for measurement, control and laboratory use – Part 2-012: Particular requirements for climatic and environmental testing and other temperature conditioning equipment	71.040.20	2022-04
EN IEC 61169-1-6	Radio-frequency connectors – Part 1-6: Electrical test methods – RF power (IEC 61169-1-6:2022)	33.120.30	2022-04

Oznaka norme	Naslov norme	ICS	Datum objave
EN IEC 61169-17	Radio-frequency connectors – Part 17: Sectional specification for RF coaxial connectors with inner diameter of outer conductor 6,5 mm (0,256 in) with screw coupling – Characteristic impedance 50 ohms (Type TNC) (IEC 61169-17:2022)	33.120.30	2022-04
EN IEC 61169-21	Radio-frequency connectors – Part 21: Sectional specification for RF connectors with inner diameter of outer conductor 9,5 mm (0,374 in) with screw coupling – Characteristic impedance 50 ohms (Type SC) (IEC 61169-21:2022)	33.120.30	2022-04
EN IEC 61169-67	Radio frequency connectors – Part 67: Sectional specification for series TRL threaded triaxial connectors (IEC 61169-67:2022)	33.120.30	2022-04
EN IEC 61169-68	Radio-frequency connectors – Part 68: Sectional specification for series TRK bayonet coupling triaxial connectors (IEC 61169-68:2022)	33.120.30	2022-04
EN IEC 61675-1	Radionuclide imaging devices – Characteristics and test conditions – Part 1: Positron emission tomographs (IEC 61675-1:2022)	11.040.50	2022-04
EN IEC 61689	Ultrasonics – Physiotherapy systems – Field specifications and methods of measurement in the frequency range 0,5 MHz to 5 MHz (IEC 61689:2022)	11.040.60	2022-04
EN IEC 61753-091-02	Fibre optic interconnecting devices and passive components – Performance standard – Part 091-02: Non-connectorized 3-port incompletely circulated single-mode fibre optic circulators for category C – Controlled environments (IEC 61753-091-02:2022)	33.180.20	2022-04
EN IEC 61754-4	Fibre optic interconnecting devices and passive components – Fibre optic connector interfaces – Part 4: Type SC connector family (IEC 61754-4:2022)	33.180.20	2022-04
EN IEC 61754-6	Fibre optic interconnecting devices and passive components – Fibre optic connector interfaces – Part 6: Type MU connector family (IEC 61754-6:2022)	33.180.20	2022-04
EN IEC 61918/A1	Industrial communication networks – Installation of communication networks in industrial premises (IEC 61918:2018/AMD1:2022)	25.040.40; 33.020; 33.180.01; 35.110; 35.240.50	2022-04
EN IEC 61968-100	Application integration at electric utilities – System interfaces for distribution management – Part 100: IEC Implementation profiles for application integration (IEC 61968-100:2022)	29.240.01; 33.200; 35.240.99	2022-04
EN IEC 61970-301/A1	Energy management system application program interface (EMS-API) – Part 301: Common information model (CIM) base (IEC 61970-301:2020/AMD1:2022)	33.040.20; 33.200; 35.240.50	2022-04
EN IEC 62228-7	Integrated circuits – EMC evaluation of transceivers – Part 7: CXPI transceivers (IEC 62228-7:2022)	31.200	2022-04
EN IEC 62660-3	Secondary lithium-ion cells for the propulsion of electric road vehicles – Part 3: Safety requirements (IEC 62660-3:2022)	29.220.20; 43.120	2022-04
EN IEC 62714-5	Engineering data exchange format for use in industrial automation systems engineering – Automation markup language – Part 5: Communication (IEC 62714-5:2022)	25.040.01; 35.240.50	2022-04
EN 62751-1/A2	Power losses in voltage sourced converter (VSC) valves for high-voltage direct current (HVDC) systems – Part 1: General requirements (IEC 62751-1:2014/AMD2:2022)	29.200; 29.240.99	2022-04
EN 62841-1/A11	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 1: general requirements	25.140.20; 65.060.70; 65.060.80	2022-04
EN IEC 63138-3	Multi-channel radio frequency connectors – Part 3: Sectional specification for MQ5 series circular connectors (IEC 63138-3:2022)	33.120.30	2022-04
EN IEC 63295	Specification for WB series glass beads with 50 $\Omega$ impedance for RF connectors (IEC 63295:2022)	33.120.30	2022-04
EN ISO/IEC 29151	Information technology – Security techniques – Code of practice for personally identifiable information protection (ISO/IEC 29151:2017)	35.030	2022-04

## Europska normizacija (ETSI)

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 100488 V 1.2.1	Speech and multimedia Transmission Quality (STQ) – Telephony for hearing impaired people – Characteristics of telephone sets that provide additional receiving amplification for the benefit of the hearing impaired	33.040.01	2022-04
ETSI TS 101573 V 1.2.1	Access, Terminals, Transmission and Multiplexing (ATTM) – General engineering of optical fibre cabling in buildings	33.060.40	2022-04
ETSI TS 102232-2 V 3.14.1	Lawful Interception (LI) – Handover Interface and Service-Specific Details (SSD) for IP delivery – Part 2: Service-specific details for messaging services	33.040.35	2022-04
ETSI TS 102232-5 V 3.15.1	Lawful Interception (LI) – Handover Interface and Service-Specific Details (SSD) for IP delivery – Part 5: Service-specific details for IP Multimedia services	33.040.35	2022-04
ETSI TS 102636-7-1 V 1.1.2	Intelligent Transport Systems (ITS) – Vehicular Communications – GeoNetworking – Part 7: Amendments for LTE-V2X – Sub-part 1: Amendments to ETSI EN 302 636-4-1 (Media-Independent Functionality)	35.240.60	2022-04
ETSI TS 102636-7-2 V 1.1.2	Intelligent Transport Systems (ITS) – Vehicular Communications – GeoNetworking – Part 7: Amendments for LTE-V2X – Sub-part 2: Amendments to ETSI EN 302 636-5-1 (Basic Transport Protocol)	35.240.60	2022-04
ETSI TS 102873 V 1.2.1	Access, Terminals, Transmission and Multiplexing (ATTM) – Optical External Network Test Interface	33.060.40	2022-04
ETSI TS 103280 V 2.8.1	Lawful Interception (LI) – Dictionary for common parameters	33.040.35	2022-04
ETSI TR 103305-1 V 4.1.2	Cyber Security (CYBER) – Critical Security Controls for Effective Cyber Defence – Part 1: The Critical Security Controls	33.040.99; 35.030	2022-04
ETSI TS 103625 V 1.2.1	Emergency Communications (EMTEL) – Transporting Handset Location to PSAPs for Emergency Communications – Advanced Mobile Location	33.040.01	2022-04
ETSI TS 103666-4 V 17.0.0	Smart Secure Platform (SSP) – Part 4: Embedded SSP (eSSP) Type 2 characteristics (Release 17)	35.240.15	2022-04
ETSI TS 103818 V 17.0.0	Smart Secure Platform (SSP) – I3C@ interface (Release 17)	35.240.15	2022-04
ETSI TS 121101 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – Technical Specifications and Technical Reports for a UTRAN-based 3GPP system (3GPP TS 21.101 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 121201 V 17.0.0	LTE – Technical Specifications and Technical Reports for an Evolved Packet System (EPS) based 3GPP system (3GPP TS 21.201 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 121202 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Technical Specifications and Technical Reports relating to the Common IP Multimedia Subsystem (IMS) (3GPP TS 21.202 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 121205 V 17.0.0	5G – Technical Specifications and Technical Reports for a 5G based 3GPP system (3GPP TS 21.205 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 122001 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Principles of circuit telecommunication services supported by a Public Land Mobile Network (PLMN) (3GPP TS 22.001 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 122002 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Circuit Bearer Services (BS) supported by a Public Land Mobile Network (PLMN) (3GPP TS 22.002 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 122003 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Circuit Teleservices supported by a Public Land Mobile Network (PLMN) (3GPP TS 22.003 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 122004 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – General on supplementary services (3GPP TS 22.004 version 17.0.0 Release 17)	33.070.50	2022-04

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ETSI TS 122022 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Personalisation of Mobile Equipment (ME) – Mobile functionality specification (3GPP TS 22.022 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 122024 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Description of Charge Advice Information (CAI) (3GPP TS 22.024 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 122030 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Man-Machine Interface (MMI) of the User Equipment (UE) (3GPP TS 22.030 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 122031 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 3G Security – Fraud Information Gathering System (FIGS) – Service description – Stage 1 (3GPP TS 22.031 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 122032 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Immediate Service Termination (IST) – Service description – Stage 1 (3GPP TS 22.032 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 122034 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – High Speed Circuit Switched Data (HSCSD) – Stage 1 (3GPP TS 22.034 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 122038 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – (U)SIM Application Toolkit (USAT) – Service description – Stage 1 (3GPP TS 22.038 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 122041 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Operator Determined Barring (ODB) (3GPP TS 22.041 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 122042 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Network Identity and TimeZone (NITZ) – Service description – Stage 1 (3GPP TS 22.042 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 122057 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Mobile Execution Environment (MEExE) – Service description – Stage 1 (3GPP TS 22.057 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 122060 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – General Packet Radio Service (GPRS) – Service description – Stage 1 (3GPP TS 22.060 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 122066 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Support of Mobile Number Portability (MNP) – Service description – Stage 1 (3GPP TS 22.066 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 122067 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – enhanced Multi Level Precedence and Pre-emption service (eMLPP) – Stage 1 (3GPP TS 22.067 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 122071 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Location Services (LCS) – Service description – Stage 1 (3GPP TS 22.071 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 122072 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Call Deflection (CD) service description – Stage 1 (3GPP TS 22.072 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 122078 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Customised Applications for Mobile network Enhanced Logic (CAMEL) – Service description – Stage 1 (3GPP TS 22.078 version 17.0.0 Release 17)	33.070.50	2022-04

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ETSI TS 122079 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Support of Optimal Routeing (SOR) – Service definition – Stage 1 (3GPP TS 22.079 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 122081 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Line Identification supplementary services – Stage 1 (3GPP TS 22.081 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 122082 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Call Forwarding (CF) Supplementary Services – Stage 1 (3GPP TS 22.082 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 122083 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Call Waiting (CW) and Call Holding (HOLD) – Supplementary Services – Stage 1 (3GPP TS 22.083 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 122084 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – MultiParty (MPPTY) supplementary service – Stage 1 (3GPP TS 22.084 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 122085 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Closed User Group (CUG) supplementary services – Stage 1 (3GPP TS 22.085 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 122086 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Advice of Charge (AoC) supplementary services – Stage 1 (3GPP TS 22.086 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 122087 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – User-to-User Signalling (UUS) – Service description – Stage 1 (3GPP TS 22.087 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 122088 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Call Barring (CB) supplementary services – Stage 1 (3GPP TS 22.088 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 122090 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Unstructured Supplementary Service Data (USSD) – Stage 1 (3GPP TS 22.090 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 122091 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Explicit Call Transfer (ECT) supplementary service – Stage 1 (3GPP TS 22.091 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 122093 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Completion of Calls to Busy Subscriber (CCBS) – Service description, Stage 1 (3GPP TS 22.093 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 122094 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Follow Me service description – Stage 1 (3GPP TS 22.094 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 122096 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Name identification supplementary services – Stage 1 (3GPP TS 22.096 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 122097 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Multiple Subscriber Profile (MSP) Phase 2 – Service description – Stage 1 (3GPP TS 22.097 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 122105 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Services and service capabilities (3GPP TS 22.105 version 17.0.0 Release 17)	33.070.50	2022-04

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ETSI TS 122119 V 17.0.0	LTE – 5G – Maritime communication services over 3GPP system (3GPP TS 22.119 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 122125 V 17.6.0	5G – Unmanned Aerial System (UAS) support in 3GPP (3GPP TS 22.125 version 17.6.0 Release 17)	33.070.50	2022-04
ETSI TS 122129 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Service aspects – Handover requirements between UTRAN and GERAN or other radio systems (3GPP TS 22.129 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 122135 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Multicall – Service description – Stage 1 (3GPP TS 22.135 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 122140 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Multimedia Messaging Service (MMS) – Stage 1 (3GPP TS 22.140 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 122141 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Presence service – Stage 1 (3GPP TS 22.141 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 122142 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Value Added Services (VAS) for Short Message Service (SMS) requirements (3GPP TS 22.142 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 122146 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Multimedia Broadcast/Multicast Service (MBMS) – Stage 1 (3GPP TS 22.146 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 122174 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Push Service – Service aspects – Stage 1 (3GPP TS 22.174 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 122179 V 17.1.0	LTE – 5G – Mission Critical Push to Talk (MCPTT) – Stage 1 (3GPP TS 22.179 version 17.1.0 Release 17)	33.070.50	2022-04
ETSI TS 122182 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Customized Alerting Tones (CAT) requirements – Stage 1 (3GPP TS 22.182 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 122183 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Customized Ringing Signal (CRS) requirements – Stage 1 (3GPP TS 22.183 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 122185 V 17.0.0	LTE – Service requirements for V2X services (3GPP TS 22.185 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 122186 V 17.0.0	5G – Service requirements for enhanced V2X scenarios (3GPP TS 22.186 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 122220 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – Service requirements for Home Node B (HNB) and Home eNode B (HeNB) (3GPP TS 22.220 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 122226 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Global Text Telephony (GTT) – Stage 1 (3GPP TS 22.226 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 122233 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Transparent end-to-end packet-switched streaming service – Stage 1 (3GPP TS 22.233 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 122240 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Service requirements for 3GPP Generic User Profile (GUP) – Stage 1 (3GPP TS 22.240 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 122242 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Digital Rights Management (DRM) – Stage 1 (3GPP TS 22.242 version 17.0.0 Release 17)	33.070.50	2022-04

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ETSI TS 122243 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Speech recognition framework for automated voice services – Stage 1 (3GPP TS 22.243 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 122246 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Multimedia Broadcast/Multicast Service (MBMS) user services – Stage 1 (3GPP TS 22.246 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 122250 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – IP Multimedia Subsystem (IMS) Group Management – Stage 1 (3GPP TS 22.250 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 122259 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Service requirements for Personal Network Management (PNM) – Stage 1 (3GPP TS 22.259 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 122268 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Public Warning System (PWS) requirements (3GPP TS 22.268 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 122279 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Combined Circuit Switched (CS) and IP Multimedia Subsystem (IMS) sessions – Stage 1 (3GPP TS 22.279 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 122281 V 17.0.0	LTE – 5G – Mission Critical (MC) video (3GPP TS 22.281 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 122282 V 17.0.0	LTE – 5G – Mission Critical (MC) data (3GPP TS 22.282 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 122340 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – IP Multimedia Subsystem (IMS) messaging – Stage 1 (3GPP TS 22.340 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 122346 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Isolated Evolved Universal Terrestrial Radio Access Network (E-UTRAN) operation for public safety – Stage 1 (3GPP TS 22.346 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 122368 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Service requirements for Machine-Type Communications (MTC) – Stage 1 (3GPP TS 22.368 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 122519 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Business communication requirements (3GPP TS 22.519 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TR 122903 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Study on Videotelephony teleservice (3GPP TR 22.903 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TR 122904 V 17.0.0	5G – Study on user-centric identifiers and authentication (3GPP TR 22.904 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TR 122906 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Study on IMS based peer-to-peer content distribution services (3GPP TR 22.906 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TR 122908 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Study on Paging Permission with Access Control (PPAC) (3GPP TR 22.908 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TR 122912 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Study into network selection requirements for non-3GPP access (3GPP TR 22.912 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TR 122936 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Multi-system terminals (3GPP TR 22.936 version 17.0.0 Release 17)	33.070.50	2022-04



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ETSI TR 122940 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – IP Multimedia Subsystem (IMS) messaging (3GPP TR 22.940 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TR 122942 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Study on Value Added Services (VAS) for Short Message Service (SMS) (3GPP TR 22.942 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TR 122944 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Report on service requirements for UE functionality split (3GPP TR 22.944 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TR 122947 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – Study on Personal Broadcast Service (PBS) (3GPP TR 22.947 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TR 122948 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Study of requirements of IP-Multimedia Subsystem (IMS) convergent multimedia conferencing (3GPP TR 22.948 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TR 122949 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Study on a generalized privacy capability (3GPP TR 22.949 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TR 122950 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Priority service feasibility study (3GPP TR 22.950 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TR 122951 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Service aspects and requirements for network sharing (3GPP TR 22.951 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TR 122952 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Priority service guide (3GPP TR 22.952 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TR 122967 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Transferring of emergency call data (3GPP TR 22.967 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TR 122968 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Study for requirements for a Public Warning System (PWS) service (3GPP TR 22.968 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TR 122973 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – IMS Multimedia Telephony service – and supplementary services (3GPP TR 22.973 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TR 122977 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Feasibility study for speech-enabled services (3GPP TR 22.977 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TR 122978 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – All-IP network (AIPN) feasibility study (3GPP TR 22.978 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TR 122979 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Feasibility study on combined Circuit Switched (CS) calls and IP Multimedia Subsystem (IMS) sessions (3GPP TR 22.979 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TR 122980 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Network composition feasibility study (3GPP TR 22.980 version 17.0.0 Release 17)	33.070.50	2022-04

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ETSI TR 122982 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Study of Customised Alerting Tone (CAT) requirements (3GPP TR 22.982 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TR 122983 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Services alignment and migration (3GPP TR 22.983 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TR 122985 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – Service requirements for the User Data Convergence (UDC) (3GPP TR 22.985 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TR 122986 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – Study on Service Specific Access Control (3GPP TR 22.986 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TR 122987 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Study of haptic services requirements (3GPP TR 22.987 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TR 122988 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Study on alternatives to E.164 for Machine-Type Communications (MTC) (3GPP TR 22.988 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 123009 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Handover procedures (3GPP TS 23.009 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 123011 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Technical realization of Supplementary Services (3GPP TS 23.011 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 123012 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Location management procedures (3GPP TS 23.012 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 123014 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Support of Dual Tone Multi-Frequency (DTMF) signalling (3GPP TS 23.014 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 123015 V 17.0.0	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 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 123016 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Subscriber data management – Stage 2 (3GPP TS 23.016 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 123031 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – 3G Security – Fraud Information Gathering System (FIGS) – Technical realization – Stage 2 (3GPP TS 23.031 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 123034 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – High Speed Circuit Switched Data (HSCSD) – Stage 2 (3GPP TS 23.034 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 123035 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Immediate Service Termination (IST) – Stage 2 (3GPP TS 23.035 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 123038 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Alphabets and language-specific information (3GPP TS 23.038 version 17.0.0 Release 17)	33.070.50	2022-04

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 123042 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Compression algorithm for text messaging services (3GPP TS 23.042 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 123057 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Mobile Execution Environment (MExE) – Functional description – Stage 2 (3GPP TS 23.057 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 123060 V 17.0.0	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 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 123066 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Support of Mobile Number Portability (MNP) – Technical realization – Stage 2 (3GPP TS 23.066 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 123067 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – enhanced Multi-Level Precedence and Pre-emption Service (eMLPP) – Stage 2 (3GPP TS 23.067 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 123072 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Call Deflection (CD) supplementary service – Stage 2 (3GPP TS 23.072 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 123078 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 4 – Stage 2 (3GPP TS 23.078 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 123079 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Support of Optimal Routeing (SOR) – Technical realization (3GPP TS 23.079 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 123081 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Line Identification supplementary services – Stage 2 (3GPP TS 23.081 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 123082 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Call Forwarding (CF) supplementary services – Stage 2 (3GPP TS 23.082 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 123083 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Call Waiting (CW) and Call Hold (HOLD) supplementary services – Stage 2 (3GPP TS 23.083 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 123084 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Multi Party (MPTY) supplementary service – Stage 2 (3GPP TS 23.084 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 123085 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Closed User Group (CUG) supplementary service – Stage 2 (3GPP TS 23.085 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 123086 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Advice of Charge (AoC) supplementary services – Stage 2 (3GPP TS 23.086 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 123087 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – User-to-User Signalling (UUS) supplementary service – Stage 2 (3GPP TS 23.087 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 123088 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Call Barring (CB) Supplementary Services – Stage 2 (3GPP TS 23.088 version 17.0.0 Release 17)	33.070.50	2022-04

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ETSI TS 123090 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Unstructured Supplementary Service Data (USSD) – Stage 2 (3GPP TS 23.090 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 123091 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Explicit Call Transfer (ECT) supplementary service – Stage 2 (3GPP TS 23.091 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 123093 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Technical realization of Completion of Calls to Busy Subscriber (CCBS) – Stage 2 (3GPP TS 23.093 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 123094 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Follow-Me (FM) – Stage 2 (3GPP TS 23.094 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 123096 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Name identification supplementary services – Stage 2 (3GPP TS 23.096 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 123097 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Multiple Subscriber Profile (MSP) (Phase 2) – Stage 2 (3GPP TS 23.097 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 123101 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – General Universal Mobile Telecommunications System (UMTS) architecture (3GPP TS 23.101 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 123107 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Quality of Service (QoS) concept and architecture (3GPP TS 23.107 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 123108 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Mobile radio interface layer 3 specification, core network protocols – Stage 2 (3GPP TS 23.108 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 123110 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Universal Mobile Telecommunications System (UMTS) access stratum – Services and functions (3GPP TS 23.110 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 123116 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Super-Charger technical realization – Stage 2 (3GPP TS 23.116 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 123119 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Gateway Location Register (GLR) – Stage 2 (3GPP TS 23.119 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 123135 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Multicall supplementary service – Stage 2 (3GPP TS 23.135 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 123139 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 3GPP system – fixed broadband access network interworking – Stage 2 (3GPP TS 23.139 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 123141 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Presence service – Architecture and functional description (3GPP TS 23.141 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 123142 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Value-added Services for SMS (VAS4SMS) – Interface and signalling flow (3GPP TS 23.142 version 17.0.0 Release 17)	33.070.50	2022-04

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ETSI TS 123146 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – Technical realization of facsimile Group 3 non-transparent (3GPP TS 23.146 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 123153 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Out of band transcoder control – Stage 2 (3GPP TS 23.153 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 123161 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Network-Based IP Flow Mobility (NBIFOM) – Stage 2 (3GPP TS 23.161 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 123172 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – Technical realization of Circuit Switched (CS) multimedia service UDI/RDI fallback and service modification – Stage 2 (3GPP TS 23.172 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 123202 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Circuit switched data bearer services (3GPP TS 23.202 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 123204 V 17.0.0	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 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 123205 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Bearer-independent circuit-switched core network – Stage 2 (3GPP TS 23.205 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 123207 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – End-to-end Quality of Service (QoS) concept and architecture (3GPP TS 23.207 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 123218 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – IP Multimedia (IM) session handling – IM call model – Stage 2 (3GPP TS 23.218 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 123221 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Architectural requirements (3GPP TS 23.221 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 123226 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Global text telephony (GTT) – Stage 2 (3GPP TS 23.226 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 123231 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – SIP-I based circuit-switched core network – Stage 2 (3GPP TS 23.231 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 123236 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Intra-domain connection of Radio Access Network (RAN) nodes to multiple Core Network (CN) nodes (3GPP TS 23.236 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 123237 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – IP Multimedia Subsystem (IMS) Service Continuity – Stage 2 (3GPP TS 23.237 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 123240 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – 3GPP Generic User Profile (GUP) – Architecture (Stage 2) (3GPP TS 23.240 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 123246 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Multimedia Broadcast/Multicast Service (MBMS) – Architecture and functional description (3GPP TS 23.246 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 123251 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Network sharing – Architecture and functional description (3GPP TS 23.251 version 17.0.0 Release 17)	33.070.50	2022-04

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ETSI TS 123259 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Personal Network Management (PNM) – Procedures and information flows – Stage 2 (3GPP TS 23.259 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 123261 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – IP flow mobility and seamless Wireless Local Area Network (WLAN) offload – Stage 2 (3GPP TS 23.261 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 123278 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 4 – Stage 2 – IM CN Interworking (3GPP TS 23.278 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 123279 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Combining Circuit Switched (CS) and IP Multimedia Subsystem (IMS) services – Stage 2 (3GPP TS 23.279 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 123284 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Local Call Local Switch (LCLS) – Stage 2 (3GPP TS 23.284 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 123285 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Architecture enhancements for V2X services (3GPP TS 23.285 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 123292 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – IP Multimedia Subsystem (IMS) centralized services – Stage 2 (3GPP TS 23.292 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 123335 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – User Data Convergence (UDC) – Technical realization and information flows – Stage 2 (3GPP TS 23.335 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 123468 V 17.0.0	LTE – Group Communication System Enablers for LTE (GCSE LTE) – Stage 2 (3GPP TS 23.468 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 123479 V 17.0.0	LTE – Technical Specification Group Services and System Aspects – UE MBMS APIs for Mission Critical Services – (3GPP TS 23.479 version 17.0.0 Release 17)	33.070.99	2022-04
ETSI TR 123903 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Redial solution for voice-video switching (3GPP TR 23.903 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TR 123919 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Direct tunnel deployment guideline (3GPP TR 23.919 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TR 123924 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – Feasibility study on Non-Access Stratum (NAS) node selection function above Base Station Controller (BSC) / Radio Network Controller (RNC) (3GPP TR 23.924 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TR 123973 V 17.0.0	LTE – 5G – User data interworking, coexistence and migration (3GPP TR 23.973 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TR 123975 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – IPv6 migration guidelines (3GPP TR 23.975 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TR 123976 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Push architecture (3GPP TR 23.976 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TR 123977 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – Bandwidth And Resource Savings (BARS) and speech enhancements for Circuit Switched (CS) networks (3GPP TR 23.977 version 17.0.0 Release 17)	33.070.50	2022-04

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ETSI TR 123979 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – 3GPP enablers for Open Mobile Alliance (OMA) – Push-to-talk over Cellular (PoC) services – Stage 2 (3GPP TR 23.979 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TR 123981 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Interworking aspects and migration scenarios for IPv4-based IP Multimedia Subsystem (IMS) implementations (3GPP TR 23.981 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 124010 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Mobile radio interface layer 3 – Supplementary services specification – General aspects (3GPP TS 24.010 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 124022 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Radio Link Protocol (RLP) for circuit switched bearer and teleservices (3GPP TS 24.022 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 124030 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Location Services (LCS) – Supplementary service operations – Stage 3 (3GPP TS 24.030 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 124067 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Enhanced Multi-Level Precedence and Pre-emption service (eMLPP) – Stage 3 (3GPP TS 24.067 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 124072 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Call Deflection (CD) supplementary service – Stage 3 (3GPP TS 24.072 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 124081 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Line Identification supplementary services – Stage 3 (3GPP TS 24.081 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 124082 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Call Forwarding (CF) supplementary services – Stage 3 (3GPP TS 24.082 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 124083 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Call Waiting (CW) and Call Hold (HOLD) supplementary services – Stage 3 (3GPP TS 24.083 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 124084 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Multi Party (MPTY) supplementary service – Stage 3 (3GPP TS 24.084 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 124085 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Closed User Group (CUG) supplementary service – Stage 3 (3GPP TS 24.085 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 124086 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Advice of Charge (AoC) supplementary services – Stage 3 (3GPP TS 24.086 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 124087 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – User-to-User Signalling (UUS) Supplementary Service – Stage 3 (3GPP TS 24.087 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 124088 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Call Barring (CB) supplementary service – Stage 3 (3GPP TS 24.088 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 124090 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Unstructured Supplementary Service Data (USSD) – Stage 3 (3GPP TS 24.090 version 17.0.0 Release 17)	33.070.50	2022-04

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ETSI TS 124091 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Explicit Call Transfer (ECT) supplementary service – Stage 3 (3GPP TS 24.091 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 124093 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Completion of Calls to Busy Subscriber (CCBS) – Stage 3 (3GPP TS 24.093 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 124096 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Name Identification supplementary services – Stage 3 (3GPP TS 24.096 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 124103 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Telepresence using the IP Multimedia (IM) Core Network (CN) Subsystem (IMS) – Stage 3 (3GPP TS 24.103 version 17.0.0 Release 17)	33.070.99	2022-04
ETSI TS 124105 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Application specific Congestion control for Data Communication (ACDC) Management Object (MO) (3GPP TS 24.105 version 17.0.0 Release 17)	33.070.99	2022-04
ETSI TS 124116 V 17.0.0	LTE – Stage 3 aspects of system architecture enhancements for TV services (3GPP TS 24.116 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 124117 V 17.0.0	LTE – TV service configuration Management Object (MO) (3GPP TS 24.117 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 124135 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Multicall supplementary service – Stage 3 (3GPP TS 24.135 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 124139 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – 3GPP system – fixed broadband access network interworking – Stage 3 (3GPP TS 24.139 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 124147 V 17.0.0	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 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 124161 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Network-Based IP Flow Mobility (NBIFOM) – Stage 3 (3GPP TS 24.161 version 17.0.0 Release 17)	33.070.99	2022-04
ETSI TS 124171 V 17.0.0	LTE – Control Plane Location Services (LCS) procedures in the Evolved Packet System (EPS) (3GPP TS 24.171 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 124196 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Enhanced Calling Name (eCNAM) (3GPP TS 24.196 version 17.0.0 Release 17)	33.070.99	2022-04
ETSI TS 124216 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Communication Continuity Management Object (MO) (3GPP TS 24.216 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 124238 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Session Initiation Protocol (SIP) based user configuration – Stage 3 (3GPP TS 24.238 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 124239 V 17.0.0	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 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 124244 V 16.1.0	Universal Mobile Telecommunications System (UMTS) – LTE – Wireless LAN control plane protocol for trusted WLAN access to EPC – Stage 3 (3GPP TS 24.244 version 16.1.0 Release 16)	33.070.50	2022-04
ETSI TS 124247 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Messaging service using the IP Multimedia (IM) Core Network (CN) subsystem – Stage 3 (3GPP TS 24.247 version 17.0.0 Release 17)	33.070.50	2022-04



Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 124279 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Combining Circuit Switched (CS) and IP Multimedia Subsystem (IMS) services – Stage 3 (3GPP TS 24.279 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 124281 V 14.13.0	LTE – Mission Critical Video (MCVideo) signalling control – Protocol specification (3GPP TS 24.281 version 14.13.0 Release 14)	33.070.99	2022-04
ETSI TS 124281 V 15.12.0	LTE – Mission Critical Video (MCVideo) signalling control – Protocol specification (3GPP TS 24.281 version 15.12.0 Release 15)	33.070.99	2022-04
ETSI TS 124281 V 16.8.0	LTE – Mission Critical Video (MCVideo) signalling control – Protocol specification (3GPP TS 24.281 version 16.8.0 Release 16)	33.070.99	2022-04
ETSI TS 124282 V 16.9.0	LTE – Mission Critical Data (MCData) signalling control – Protocol specification (3GPP TS 24.282 version 16.9.0 Release 16)	33.070.99	2022-04
ETSI TS 124282 V 17.6.2	LTE – Mission Critical Data (MCData) signalling control – Protocol specification (3GPP TS 24.282 version 17.6.2 Release 17)	33.070.99	2022-04
ETSI TS 124285 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Allowed Closed Subscriber Group (CSG) list – Management Object (MO) (3GPP TS 24.285 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 124292 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – IP Multimedia (IM) Core Network (CN) subsystem Centralized Services (ICS) – Stage 3 (3GPP TS 24.292 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 124303 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Mobility management based on Dual-Stack Mobile IPv6 – Stage 3 (3GPP TS 24.303 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 124304 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Mobility management based on Mobile IPv4 – User Equipment (UE) – foreign agent interface – Stage 3 (3GPP TS 24.304 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 124305 V 17.0.0	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 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 124337 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – IP Multimedia (IM) Core Network (CN) subsystem IP Multimedia Subsystem (IMS) inter-UE transfer – Stage 3 (3GPP TS 24.337 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 124385 V 17.0.0	LTE – V2X services Management Object (MO) (3GPP TS 24.385 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 124386 V 17.0.0	LTE – User Equipment (UE) to V2X control function – Protocol aspects – Stage 3 (3GPP TS 24.386 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 124481 V 14.7.1	LTE – Mission Critical Services (MCS) group management – Protocol specification (3GPP TS 24.481 version 14.7.1 Release 14)	33.070.99	2022-04
ETSI TS 124481 V 15.6.2	LTE – Mission Critical Services (MCS) group management – Protocol specification (3GPP TS 24.481 version 15.6.2 Release 15)	33.070.99	2022-04
ETSI TS 124481 V 16.4.1	LTE – Mission Critical Services (MCS) group management – Protocol specification (3GPP TS 24.481 version 16.4.1 Release 16)	33.070.99	2022-04
ETSI TS 124484 V 14.12.0	LTE – Mission Critical Services (MCS) configuration management – Protocol specification (3GPP TS 24.484 version 14.12.0 Release 14)	33.070.99	2022-04
ETSI TS 124484 V 15.11.0	LTE – Mission Critical Services (MCS) configuration management – Protocol specification (3GPP TS 24.484 version 15.11.0 Release 15)	33.070.99	2022-04

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ETSI TS 124484 V 16.11.0	LTE – Mission Critical Services (MCS) configuration management – Protocol specification (3GPP TS 24.484 version 16.11.0 Release 16)	33.070.99	2022-04
ETSI TS 124501 V 16.11.0	5G – Non-Access-Stratum (NAS) protocol for 5G System (5GS) – Stage 3 (3GPP TS 24.501 version 16.11.0 Release 16)	33.070.99	2022-04
ETSI TS 124519 V 16.5.0	5G – 5G System (5GS) – Time-Sensitive Networking (TSN) Application Function (AF) to Device-Side TSN Translator (DS-TT) and Network-Side TSN Translator (NW-TT) protocol aspects – Stage 3 (3GPP TS 24.519 version 16.5.0 Release 16)	33.070.99	2022-04
ETSI TS 124581 V 15.8.0	LTE – Mission Critical Video (MCVideo) media plane control – Protocol specification (3GPP TS 24.581 version 15.8.0 Release 15)	33.070.99	2022-04
ETSI TS 124581 V 16.8.0	LTE – Mission Critical Video (MCVideo) media plane control – Protocol specification (3GPP TS 24.581 version 16.8.0 Release 16)	33.070.99	2022-04
ETSI TS 124587 V 16.8.0	5G – Vehicle-to-Everything (V2X) services in 5G System (5GS) – Stage 3 (3GPP TS 24.587 version 16.8.0 Release 16)	33.070.99	2022-04
ETSI TS 126114 V 17.4.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – IP Multimedia Subsystem (IMS) – Multimedia telephony – Media handling and interaction (3GPP TS 26.114 version 17.4.0 Release 17)	33.070.50	2022-04
ETSI TS 126116 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Television (TV) over 3GPP services – Video profiles (3GPP TS 26.116 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 126132 V 17.1.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Speech and video telephony terminal acoustic test specification (3GPP TS 26.132 version 17.1.0 Release 17)	33.070.50	2022-04
ETSI TS 126247 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Transparent end-to-end Packet-switched Streaming Service (PSS) – Progressive Download and Dynamic Adaptive Streaming over HTTP (3GP-DASH) (3GPP TS 26.247 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 126346 V 16.10.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Multimedia Broadcast/Multicast Service (MBMS) – Protocols and codecs (3GPP TS 26.346 version 16.10.0 Release 16)	33.070.50	2022-04
ETSI TS 126347 V 17.0.0	LTE – Multimedia Broadcast/Multicast Service (MBMS) – Application Programming Interface and URL (3GPP TS 26.347 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 126501 V 17.1.0	5G – 5G Media Streaming (5GMS) – General description and architecture (3GPP TS 26.501 version 17.1.0 Release 17)	33.070.50	2022-04
ETSI TS 126511 V 17.1.0	5G – 5G Media Streaming (5GMS) – Profiles, codecs and formats (3GPP TS 26.511 version 17.1.0 Release 17)	33.070.50	2022-04
ETSI TS 126512 V 16.5.0	5G – 5G Media Streaming (5GMS) – Protocols (3GPP TS 26.512 version 16.5.0 Release 16)	33.070.50	2022-04
ETSI TS 126512 V 17.0.0	5G – 5G Media Streaming (5GMS) – Protocols (3GPP TS 26.512 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TR 126925 V 17.1.0	5G – Typical traffic characteristics of media services on 3GPP networks (3GPP TR 26.925 version 17.1.0 Release 17)	33.070.50	2022-04
ETSI TR 126962 V 17.0.0	5G – Immersive Teleconferencing and Telepresence for Remote Terminals (ITT4RT) Operation and Usage Guidelines (3GPP TR 26.962 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TR 126998 V 17.0.0	LTE – 5G – Support of 5G glass-type Augmented Reality / Mixed Reality (AR/MR) devices (3GPP TR 26.998 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 127001 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS) (3GPP TS 27.001 version 17.0.0 Release 17)	33.070.50	2022-04

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ETSI TS 127002 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Terminal Adaptation Functions (TAF) for services using asynchronous bearer capabilities (3GPP TS 27.002 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 127003 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Terminal Adaptation Functions (TAF) for services using synchronous bearer capabilities (3GPP TS 27.003 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 127007 V 16.11.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – AT command set for User Equipment (UE) (3GPP TS 27.007 version 16.11.0 Release 16)	33.070.50	2022-04
ETSI TS 127010 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Terminal Equipment to User Equipment (TE-UE) multiplexer protocol (3GPP TS 27.010 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 127060 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Packet domain – Mobile Station (MS) supporting Packet Switched services (3GPP TS 27.060 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 128201 V 17.0.0	5G – Charging management – Network slice performance and analytics charging in the 5G System (5GS) – Stage 2 (3GPP TS 28.201 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 128202 V 17.0.0	5G – Charging management – Network slice management charging in the 5G System (5GS) – Stage 2 (3GPP TS 28.202 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 128301 V 17.0.0	LTE – Telecommunication management – Licensed Shared Access (LSA) Controller (LC) Integration Reference Point (IRP) – Requirements (3GPP TS 28.301 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 128302 V 17.0.0	LTE – Telecommunication management – Licensed Shared Access (LSA) Controller (LC) Integration Reference Point (IRP) – Information Service (IS) (3GPP TS 28.302 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 128303 V 17.0.0	LTE – Telecommunication management – Licensed Shared Access (LSA) Controller (LC) Integration Reference Point (IRP) – Solution Set (SS) definitions (3GPP TS 28.303 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 128304 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Control and monitoring of Power, Energy and Environmental (PEE) parameters Integration Reference Point (IRP) – Requirements (3GPP TS 28.304 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 128305 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Control and monitoring of Power, Energy and Environmental (PEE) parameters Integration Reference Point (IRP) – Information Service (IS) (3GPP TS 28.305 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 128306 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Control and monitoring of Power, Energy and Environmental (PEE) parameters Integration Reference Point (IRP) – Solution Set (SS) definitions (3GPP TS 28.306 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 128307 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Telecommunication management – Quality of Experience (QoE) measurement collection Integration Reference Point (IRP) – Requirements (3GPP TS 28.307 version 17.0.0 Release 17)	33.070.50	2022-04

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 128308 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Telecommunication management – Quality of Experience (QoE) measurement collection Integration Reference Point (IRP) – Information Service (IS) (3GPP TS 28.308 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 128309 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Management of Quality of Experience (QoE) measurement collection Integration Reference Point (IRP) – Solution Set (SS) definitions (3GPP TS 28.309 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 128311 V 17.0.0	5G – LTE – Management and orchestration – Network policy management for mobile networks based on Network Function Virtualization (NFV) scenarios (3GPP TS 28.311 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 128390 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Fixed Mobile Convergence (FMC) – Interface Integration Reference Point (IRP) Solution Profiles (SPs) (3GPP TS 28.390 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 128402 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Performance Management (PM) – Performance measurements for Evolved Packet Core (EPC) and non-3GPP access interworking system (3GPP TS 28.402 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 128403 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Performance Management (PM) – Performance measurements for Wireless Local Area Network (WLAN) (3GPP TS 28.403 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 128406 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Telecommunication management – Quality of Experience (QoE) measurement collection – Information definition and transport (3GPP TS 28.406 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 128500 V 17.0.0	LTE – Telecommunication management – Management concept, architecture and requirements for mobile networks that include virtualized network functions (3GPP TS 28.500 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 128510 V 17.0.0	LTE – Telecommunication management – Configuration Management (CM) for mobile networks that include virtualized network functions – Requirements (3GPP TS 28.510 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 128511 V 17.0.0	LTE – Telecommunication management – Configuration Management (CM) for mobile networks that include virtualized network functions – Procedures (3GPP TS 28.511 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 128512 V 17.0.0	LTE – Telecommunication management – Configuration Management (CM) for mobile networks that include virtualized network functions – Stage 2 (3GPP TS 28.512 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 128513 V 17.0.0	LTE – Telecommunication management – Configuration Management (CM) for mobile networks that include virtualized network functions – Stage 3 (3GPP TS 28.513 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 128515 V 17.0.0	LTE – Telecommunication management – Fault Management (FM) for mobile networks that include virtualized network functions – Requirements (3GPP TS 28.515 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 128516 V 17.0.0	LTE – Telecommunication management – Fault Management (FM) for mobile networks that include virtualized network functions – Procedures (3GPP TS 28.516 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 128517 V 17.0.0	LTE – Telecommunication management – Fault Management (FM) for mobile networks that include virtualized network functions – Stage 2 (3GPP TS 28.517 version 17.0.0 Release 17)	33.070.50	2022-04

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 128518 V 17.0.0	LTE – Telecommunication management – Fault Management (FM) for mobile networks that include virtualized network functions – Stage 3 (3GPP TS 28.518 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 128520 V 17.0.0	LTE – Telecommunication management – Performance Management (PM) for mobile networks that include virtualized network functions – Requirements (3GPP TS 28.520 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 128521 V 17.0.0	LTE – Telecommunication management – Performance Management (PM) for mobile networks that include virtualized network functions – Procedures (3GPP TS 28.521 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 128522 V 17.0.0	LTE – Telecommunication management – Performance Management (PM) for mobile networks that include virtualized network functions – Stage 2 (3GPP TS 28.522 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 128523 V 17.0.0	LTE – Telecommunication management – Performance Management (PM) for mobile networks that include virtualized network functions – Stage 3 (3GPP TS 28.523 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 128525 V 17.0.0	LTE – Telecommunication management – Life Cycle Management (LCM) for mobile networks that include virtualized network functions – Requirements (3GPP TS 28.525 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 128526 V 17.0.0	LTE – Telecommunication management – Life Cycle Management (LCM) for mobile networks that include virtualized network functions – Procedures (3GPP TS 28.526 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 128527 V 17.0.0	LTE – Telecommunication management – Life Cycle Management (LCM) for mobile networks that include virtualized network functions – Stage 2 (3GPP TS 28.527 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 128528 V 17.0.0	LTE – Telecommunication management – Life Cycle Management (LCM) for mobile networks that include virtualized network functions – Stage 3 (3GPP TS 28.528 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 128550 V 17.0.0	5G – Management and orchestration – Performance assurance (3GPP TS 28.550 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 128611 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Evolved Packet Core (EPC) and non-3GPP access interworking system Network Resource Model (NRM) Integration Reference Point (IRP) – Requirements (3GPP TS 28.611 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 128612 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Evolved Packet Core (EPC) and non-3GPP access interworking system Network Resource Model (NRM) Integration Reference Point (IRP) – Information Service (IS) (3GPP TS 28.612 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 128616 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Evolved Packet Core (EPC) and non-3GPP access interworking system Network Resource Model (NRM) Integration Reference Point (IRP) – Solution Set (SS) definitions (3GPP TS 28.616 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 128620 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Fixed Mobile Convergence (FMC) Federated Network Information Model (FNIM) Umbrella Information Model (UIM) (3GPP TS 28.620 version 17.0.0 Release 17)	33.070.50	2022-04

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 128621 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Telecommunication management – Generic Network Resource Model (NRM) Integration Reference Point (IRP) – Requirements (3GPP TS 28.621 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 128624 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – State management data definition Integration Reference Point (IRP) – Requirements (3GPP TS 28.624 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 128625 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – State management data definition Integration Reference Point (IRP) – Information Service (IS) (3GPP TS 28.625 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 128626 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – State management data definition Integration Reference Point (IRP) – Solution Set (SS) definitions (3GPP TS 28.626 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 128627 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Self-Organizing Networks (SON) Policy Network Resource Model (NRM) Integration Reference Point (IRP) – Requirements (3GPP TS 28.627 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 128628 V 17.0.0	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 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 128629 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Self-Organizing Networks (SON) Policy Network Resource Model (NRM) Integration Reference Point (IRP) – Solution Set (SS) definitions (3GPP TS 28.629 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 128631 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Inventory Management (IM) Network Resource Model (NRM) Integration Reference Point (IRP) – Requirements (3GPP TS 28.631 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 128632 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Inventory Management (IM) Network Resource Model (NRM) Integration Reference Point (IRP) – Information Service (IS) (3GPP TS 28.632 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 128633 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Inventory Management (IM) Network Resource Model (NRM) Integration Reference Point (IRP) – Solution Set (SS) definitions (3GPP TS 28.633 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 128651 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Universal Terrestrial Radio Access Network (UTRAN) Network Resource Model (NRM) Integration Reference Point (IRP) – Requirements (3GPP TS 28.651 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 128652 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Universal Terrestrial Radio Access Network (UTRAN) Network Resource Model (NRM) Integration Reference Point (IRP) – Information Service (IS) (3GPP TS 28.652 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 128653 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Universal Terrestrial Radio Access Network (UTRAN) Network Resource Model (NRM) Integration Reference Point (IRP) – Solution Set (SS) definitions (3GPP TS 28.653 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 128654 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – GSM/EDGE Radio Access Network (GERAN) Network Resource Model (NRM) Integration Reference Point (IRP) – Requirements (3GPP TS 28.654 version 17.0.0 Release 17)	33.070.50	2022-04

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 128655 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – GSM/EDGE Radio Access Network (GERAN) Network Resource Model (NRM) Integration Reference Point (IRP) – Information Service (IS) (3GPP TS 28.655 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 128656 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – GSM/EDGE Radio Access Network (GERAN) Network Resource Model (NRM) Integration Reference Point (IRP) – Solution Set (SS) definitions (3GPP TS 28.656 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 128657 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Evolved Universal Terrestrial Radio Access Network (E-UTRAN) Network Resource Model (NRM) Integration Reference Point (IRP) – Requirements (3GPP TS 28.657 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 128659 V 17.0.0	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 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 128661 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Generic Radio Access Network (RAN) Network Resource Model (NRM) Integration Reference Point (IRP) – Requirements (3GPP TS 28.661 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 128662 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Generic Radio Access Network (RAN) Network Resource Model (NRM) Integration Reference Point (IRP) – Information Service (IS) (3GPP TS 28.662 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 128663 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Generic Radio Access Network (RAN) Network Resource Model (NRM) Integration Reference Point (IRP) – Solution Set (SS) definitions (3GPP TS 28.663 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 128667 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Radio Planning Tool Access (RPTA) Integration Reference Point (IRP) – Requirements (3GPP TS 28.667 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 128668 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Radio Planning Tool Access (RPTA) Integration Reference Point (IRP) – Information Service (IS) (3GPP TS 28.668 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 128669 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Radio Planning Tool Access (RPTA) Integration Reference Point (IRP) – Solution Set (SS) definitions (3GPP TS 28.669 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 128671 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Home Node B (HNB) Subsystem (HNS) Network Resource Model (NRM) Integration Reference Point (IRP) – Requirements (3GPP TS 28.671 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 128672 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Home Node B (HNB) Subsystem (HNS) Network Resource Model (NRM) Integration Reference Point (IRP) – Information Service (IS) (3GPP TS 28.672 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 128673 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Home Node B (HNB) Subsystem (HNS) Network Resource Model (NRM) Integration Reference Point (IRP) – Solution Set (SS) definitions (3GPP TS 28.673 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 128674 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Home enhanced Node B (HeNB) Subsystem (HeNS) Network Resource Model (NRM) Integration Reference Point (IRP) – Requirements (3GPP TS 28.674 version 17.0.0 Release 17)	33.070.50	2022-04

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 128675 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Home enhanced Node B (HeNB) Subsystem (HeNS) Network Resource Model (NRM) Integration Reference Point (IRP) – Information Service (IS) (3GPP TS 28.675 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 128676 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Home enhanced Node B (HeNB) Subsystem (HeNS) Network Resource Model (NRM) Integration Reference Point (IRP) – Solution Set (SS) definitions (3GPP TS 28.676 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 128680 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Wireless Local Area Network (WLAN) management – Concepts and requirements (3GPP TS 28.680 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 128681 V 17.0.0	LTE – Telecommunication management – Wireless Local Area Network (WLAN) Network Resource Model (NRM) Integration Reference Point (IRP) – Requirements (3GPP TS 28.681 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 128682 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Wireless Local Area Network (WLAN) Network Resource Model (NRM) Integration Reference Point (IRP) – Information Service (IS) (3GPP TS 28.682 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 128683 V 17.0.0	LTE – Telecommunication management – Wireless Local Area Network (WLAN) Network Resource Model (NRM) Integration Reference Point (IRP) – Solution Set (SS) definitions (3GPP TS 28.683 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 128701 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Core Network (CN) Network Resource Model (NRM) Integration Reference Point (IRP) – Requirements (3GPP TS 28.701 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 128702 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Core Network (CN) Network Resource Model (NRM) Integration Reference Point (IRP) – Information Service (IS) (3GPP TS 28.702 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 128703 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Core Network (CN) Network Resource Model (NRM) Integration Reference Point (IRP) – Solution Set (SS) definitions (3GPP TS 28.703 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 128704 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – IP Multimedia Subsystem (IMS) Network Resource Model (NRM) Integration Reference Point (IRP) – Requirements (3GPP TS 28.704 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 128705 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – IP Multimedia Subsystem (IMS) Network Resource Model (NRM) Integration Reference Point (IRP) – Information Service (IS) (3GPP TS 28.705 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 128706 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – IP Multimedia Subsystem (IMS) Network Resource Model (NRM) Integration Reference Point (IRP) – Solution Set (SS) definitions (3GPP TS 28.706 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 128707 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Evolved Packet Core (EPC) Network Resource Model (NRM) Integration Reference Point (IRP) – Requirements (3GPP TS 28.707 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 128708 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Evolved Packet Core (EPC) Network Resource Model (NRM) Integration Reference Point (IRP) – Information Service (IS) (3GPP TS 28.708 version 17.0.0 Release 17)	33.070.50	2022-04



Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 128709 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Evolved Packet Core (EPC) Network Resource Model (NRM) Integration Reference Point (IRP) – Solution Set (SS) definitions (3GPP TS 28.709 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 128731 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Transport Network (TN) interface Network Resource Model (NRM) Integration Reference Point (IRP) – Requirements (3GPP TS 28.731 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 128732 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Transport Network (TN) interface Network Resource Model (NRM) Integration Reference Point (IRP) – Information Service (IS) (3GPP TS 28.732 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 128733 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Transport Network (TN) interface Network Resource Model (NRM) Integration Reference Point (IRP) – Solution Set (SS) definitions (3GPP TS 28.733 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 128734 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Signalling Transport Network (STN) interface Network Resource Model (NRM) Integration Reference Point (IRP) – Requirements (3GPP TS 28.734 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 128735 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Signalling Transport Network (STN) interface Network Resource Model (NRM) Integration Reference Point (IRP) – Information Service (IS) (3GPP TS 28.735 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 128736 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Signalling Transport Network (STN) interface Network Resource Model (NRM) Integration Reference Point (IRP) – Solution Set (SS) definitions (3GPP TS 28.736 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 128751 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Subscription Management (SuM) Network Resource Model (NRM) Integration Reference Point (IRP) – Requirements (3GPP TS 28.751 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 128752 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Subscription Management (SuM) Network Resource Model (NRM) Integration Reference Point (IRP) – Information Service (IS) (3GPP TS 28.752 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 128753 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Subscription Management (SuM) Network Resource Model (NRM) Integration Reference Point (IRP) – Solution Set (SS) definitions (3GPP TS 28.753 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 129007 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – General requirements on interworking between the Public Land Mobile Network (PLMN) and the Integrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN) (3GPP TS 29.007 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 129010 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Information element mapping between Mobile Station – Base Station System (MS – BSS) and Base Station System – Mobile-services Switching Centre (BSS – MSC) – Signalling Procedures and the Mobile Application Part (MAP) (3GPP TS 29.010 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 129011 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Signalling Interworking for supplementary services (3GPP TS 29.011 version 17.0.0 Release 17)	33.070.50	2022-04

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ETSI TS 129013 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Signalling interworking between ISDN supplementary services – Application Service Element (ASE) and Mobile Application Part (MAP) protocols (3GPP TS 29.013 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 129078 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase X – CAMEL Application Part (CAP) specification (3GPP TS 29.078 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 129109 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Generic Authentication Architecture (GAA) – Zh and Zn Interfaces based on the Diameter protocol – Stage 3 (3GPP TS 29.109 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 129119 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – GPRS Tunnelling Protocol (GTP) specification for Gateway Location Register (GLR) (3GPP TS 29.119 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 129120 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Mobile Application Part (MAP) specification for Gateway Location Register (GLR) (3GPP TS 29.120 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 129128 V 17.0.0	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 17.0.0 Release 17)	33.070.99	2022-04
ETSI TS 129139 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – 3GPP system – fixed broadband access network interworking – Home (e)Node B – security gateway interface (3GPP TS 29.139 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 129153 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Service capability exposure functionality over Ns reference point (3GPP TS 29.153 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 129154 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Service capability exposure functionality over Nt reference point (3GPP TS 29.154 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 129164 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Interworking between the 3GPP CS domain with BICC or ISUP as signalling protocol and external SIP-I networks (3GPP TS 29.164 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 129172 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Location Services (LCS) – Evolved Packet Core (EPC) LCS Protocol (ELP) between the Gateway Mobile Location Centre (GMLC) and the Mobile Management Entity (MME) – SLg interface (3GPP TS 29.172 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 129173 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Location Services (LCS) – Diameter-based SLh interface for Control Plane LCS (3GPP TS 29.173 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 129202 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – Signalling System No. 7 (SS7) signalling transport in core network – Stage 3 (3GPP TS 29.202 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 129204 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Signalling System No. 7 (SS7) security gateway – Architecture, functional description and protocol details (3GPP TS 29.204 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 129205 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – Application of Q.1900 series to bearer independent Circuit Switched (CS) core network architecture – Stage 3 (3GPP TS 29.205 version 17.0.0 Release 17)	33.070.50	2022-04

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 129215 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Policy and Charging Control (PCC) over S9 reference point – Stage 3 (3GPP TS 29.215 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 129217 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Policy and Charging Control (PCC) – Congestion reporting over Np reference point (3GPP TS 29.217 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 129219 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Policy and charging control: Spending limit reporting over Sy reference point (3GPP TS 29.219 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 129231 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Application of SIP-I Protocols to Circuit Switched (CS) core network architecture – Stage 3 (3GPP TS 29.231 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 129250 V 17.0.0	LTE – Nu reference point between SCEF and PFDf for sponsored data connectivity (3GPP TS 29.250 version 17.0.0 Release 17)	33.070.99	2022-04
ETSI TS 129275 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Proxy Mobile IPv6 (PMIPv6) based Mobility and Tunneling protocols – Stage 3 (3GPP TS 29.275 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 129276 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – 3GPP Evolved Packet System (EPS) – Optimized handover procedures and protocols between E-UTRAN access and cdma2000 HRPD Access – Stage 3 (3GPP TS 29.276 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 129277 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Optimised handover procedures and protocol between EUTRAN access and non-3GPP accesses (S102) – Stage 3 (3GPP TS 29.277 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 129278 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Customized Applications for Mobile network Enhanced Logic (CAMEL) Phase 4 – CAMEL Application Part (CAP) specification for IP Multimedia Subsystems (IMS) (3GPP TS 29.278 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 129279 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Mobile IPv4 (MIPv4) based mobility protocols – Stage 3 (3GPP TS 29.279 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 129280 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Evolved Packet System (EPS) – 3GPP Sv interface (MME to MSC, and SGSN to MSC) for SRVCC (3GPP TS 29.280 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 129282 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Mobile IPv6 vendor specific option format and usage within 3GPP (3GPP TS 29.282 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 129283 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Diameter data management applications (3GPP TS 29.283 version 17.0.0 Release 17)	33.070.99	2022-04
ETSI TS 129305 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – InterWorking Function (IWF) between MAP based and Diameter based interfaces (3GPP TS 29.305 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 129311 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Service Level Interworking (SLI) for messaging services (3GPP TS 29.311 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 129329 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Sh interface based on the Diameter protocol – Protocol details (3GPP TS 29.329 version 17.0.0 Release 17)	33.070.50	2022-04

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 129337 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Diameter-based T4 Interface for communications with packet data networks and applications (3GPP TS 29.337 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 129343 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Proximity-services (ProSe) function to ProSe application server aspects (PC2) – Stage 3 (3GPP TS 29.343 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 129344 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Proximity-services (ProSe) function to Home Subscriber Server (HSS) aspects – Stage 3 (3GPP TS 29.344 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 129345 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Inter-Proximity-services (ProSe) function signalling aspects – Stage 3 (3GPP TS 29.345 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 129364 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – IP Multimedia Subsystem (IMS) Application Server (AS) service data descriptions for AS interoperability (3GPP TS 29.364 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 129368 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Tsp interface protocol between the MTC Interworking Function (MTC-IWF) and Service Capability Server (SCS) (3GPP TS 29.368 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 129379 V 16.4.0	LTE – 5G – Mission Critical Push To Talk (MCPTT) call control interworking with Land Mobile Radio (LMR) systems – Stage-3 (3GPP TS 29.379 version 16.4.0 Release 16)	33.070.99	2022-04
ETSI TS 129388 V 17.0.0	LTE – V2X Control Function to Home Subscriber Server (HSS) aspects (V4) – Stage 3 (3GPP TS 29.388 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 129389 V 17.0.0	LTE – Inter-V2X Control Function Signalling aspects (V6) – Stage 3 (3GPP TS 29.389 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 129405 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Nq and Nq' Application Protocol (Nq-AP) – Stage 3 (3GPP TS 29.405 version 17.0.0 Release 17)	33.070.99	2022-04
ETSI TS 129414 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – Core network Nb data transport and transport signalling (3GPP TS 29.414 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 129415 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – Core network Nb interface user plane protocols (3GPP TS 29.415 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 129525 V 15.8.0	5G – 5G System – UE Policy Control Service – Stage 3 (3GPP TS 29.525 version 15.8.0 Release 15)	33.070.99	2022-04
ETSI TS 129525 V 16.10.0	5G – 5G System – UE Policy Control Service – Stage 3 (3GPP TS 29.525 version 16.10.0 Release 16)	33.070.99	2022-04
ETSI TS 129526 V 16.7.0	5G – 5G System – Network Slice-Specific Authentication and Authorization (NSSAA) services – Stage 3 (3GPP TS 29.526 version 16.7.0 Release 16)	33.070.99	2022-04
ETSI TS 129540 V 16.10.0	5G – 5G System – SMS Services – Stage 3 (3GPP TS 29.540 version 16.10.0 Release 16)	33.070.99	2022-04
ETSI TS 129554 V 16.8.0	5G – 5G System – Background Data Transfer Policy Control Service – Stage 3 (3GPP TS 29.554 version 16.8.0 Release 16)	33.070.99	2022-04
ETSI TS 129563 V 16.7.0	5G – 5G System – Home Subscriber Server (HSS) services for interworking with Unified Data Management (UDM) – Stage 3 (3GPP TS 29.563 version 16.7.0 Release 16)	33.070.99	2022-04
ETSI TS 129571 V 16.11.0	5G – 5G System – Common Data Types for Service Based Interfaces – Stage 3 (3GPP TS 29.571 version 16.11.0 Release 16)	33.070.99	2022-04
ETSI TS 129572 V 16.9.0	5G – 5G System – Location Management Services – Stage 3 (3GPP TS 29.572 version 16.9.0 Release 16)	33.070.99	2022-04
ETSI TS 129573 V 16.9.0	5G – 5G System – Public Land Mobile Network (PLMN) Interconnection – Stage 3 (3GPP TS 29.573 version 16.9.0 Release 16)	33.070.99	2022-04

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ETSI TS 129582 V 16.4.0	LTE – 5G – Mission Critical Data (MCData) interworking with Land Mobile Radio (LMR) systems – Stage 3 (3GPP TS 29.582 version 16.4.0 Release 16)	33.070.50	2022-04
ETSI TS 129591 V 16.7.0	5G – 5G System – Network Exposure Function Southbound Services – Stage 3 (3GPP TS 29.591 version 16.7.0 Release 16)	33.070.99	2022-04
ETSI TS 129594 V 16.7.0	5G – 5G System – Spending Limit Control Service – Stage 3 (3GPP TS 29.594 version 16.7.0 Release 16)	33.070.99	2022-04
ETSI TS 129658 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – SIP Transfer of IP Multimedia Service Tariff Information – Protocol specification (3GPP TS 29.658 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 129674 V 17.0.0	LTE – 5G – Interface between the UE radio Capability Management Function (UCMF) and the Mobility Management Entity (MME) – Stage 3 (3GPP TS 29.674 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TR 129909 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Diameter-based protocols usage and recommendations in 3GPP (3GPP TR 29.909 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TR 129935 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Study on User Data Convergence (UDC) data model (3GPP TR 29.935 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TR 129949 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Study on technical aspects on roaming end-to-end scenarios with Voice over LTE (VoLTE) IP Multimedia Subsystem (IMS) and other networks (3GPP TR 29.949 version 17.0.0 Release 17)	33.070.99	2022-04
ETSI TS 131101 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G UICC-terminal interface – Physical and logical characteristics (3GPP TS 31.101 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 131102 V 17.5.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Characteristics of the Universal Subscriber Identity Module (USIM) application (3GPP TS 31.102 version 17.5.0 Release 17)	33.070.50	2022-04
ETSI TS 131104 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Characteristics of the Hosting Party Subscription Identity Module (HPSIM) application (3GPP TS 31.104 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 131111 V 16.6.0	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 16.6.0 Release 16)	33.070.50	2022-04
ETSI TS 131115 V 17.0.0	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 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 131116 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Remote APDU Structure for (U)SIM Toolkit applications (3GPP TS 31.116 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 131120 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – UICC-terminal interface – Physical, electrical and logical test specification (3GPP TS 31.120 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 131121 V 16.6.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – UICC-terminal interface – Universal Subscriber Identity Module (USIM) application test specification (3GPP TS 31.121 version 16.6.0 Release 16)	33.070.50	2022-04
ETSI TS 131122 V 16.4.0	Universal Mobile Telecommunications System (UMTS) – LTE – Universal Subscriber Identity Module (USIM) conformance test specification (3GPP TS 31.122 version 16.4.0 Release 16)	33.070.50	2022-04

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ETSI TS 131122 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Universal Subscriber Identity Module (USIM) conformance test specification (3GPP TS 31.122 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 131130 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – (U)SIM Application Programming Interface (API) – (U)SIM API for Java Card (3GPP TS 31.130 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 131131 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – C-language binding to (U)SIM API (3GPP TS 31.131 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 131133 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – IP Multimedia Services Identity Module (ISIM) Application Programming Interface (API) – ISIM API for Java Card (3GPP TS 31.133 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 131213 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Test specification for (U)SIM – Application Programming Interface (API) for Java Card (3GPP TS 31.213 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 131220 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Characteristics of the Contact Manager for 3GPP UICC applications (3GPP TS 31.220 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 131221 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Contact Manager Application Programming Interface (API) – Contact Manager API for Java Card (3GPP TS 31.221 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TR 131900 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – SIM/USIM internal and external interworking aspects (3GPP TR 31.900 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TR 131970 V 17.0.0	LTE – Universal Mobile Telecommunications System (UMTS) – UICC power optimisation for Machine-Type Communication (MTC) (3GPP TR 31.970 version 17.0.0 Release 17)	33.070.99	2022-04
ETSI TS 132101 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Principles and high level requirements (3GPP TS 32.101 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 132102 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Architecture (3GPP TS 32.102 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 132103 V 16.3.0	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 16.3.0 Release 16)	33.070.50	2022-04
ETSI TS 132103 V 17.0.0	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 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 132107 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Fixed Mobile Convergence (FMC) Federated Network Information Model (FNIM) (3GPP TS 32.107 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 132111-1 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Fault Management – Part 1: 3G fault management requirements (3GPP TS 32.111-1 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 132111-2 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Fault Management – Part 2: Alarm Integration Reference Point (IRP): Information Service (IS) (3GPP TS 32.111-2 version 17.0.0 Release 17)	33.070.50	2022-04

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ETSI TS 132111-6 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Fault Management – Part 6: Alarm Integration Reference Point (IRP): Solution Set (SS) definitions (3GPP TS 32.111-6 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 132121 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Advanced Alarm Management (AAM) Integration Reference Point (IRP): Requirements (3GPP TS 32.121 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 132122 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Advanced Alarm Management (AAM) Integration Reference Point (IRP): Information Service (IS) (3GPP TS 32.122 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 132126 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Advanced Alarm Management (AAM) Integration Reference Point (IRP) – Solution Set (SS) definitions (3GPP TS 32.126 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 132140 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Subscription Management (SuM) requirements (3GPP TS 32.140 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 132141 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Subscription Management (SuM) architecture (3GPP TS 32.141 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 132150 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Integration Reference Point (IRP) Concept and definitions (3GPP TS 32.150 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 132153 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Integration Reference Point (IRP) technology specific templates, rules and guidelines (3GPP TS 32.153 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 132154 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Backward and Forward Compatibility (BFC) – Concept and definitions (3GPP TS 32.154 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 132155 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Requirements template (3GPP TS 32.155 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 132156 V 16.5.0	Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Fixed Mobile Convergence (FMC) model repertoire (3GPP TS 32.156 version 16.5.0 Release 16)	33.070.50	2022-04
ETSI TS 132157 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Integration Reference Point (IRP) Information Service (IS) template (3GPP TS 32.157 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 132158 V 17.0.0	LTE – 5G – Management and orchestration – Design rules for REpresentational State Transfer (REST) Solution Sets (SS) (3GPP TS 32.158 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 132181 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – User Data Convergence (UDC) – Framework for Model Handling and Management (3GPP TS 32.181 version 17.0.0 Release 17)	33.070.50	2022-04

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ETSI TS 132182 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – User Data Convergence (UDC) – Common baseline information model (CBIM) (3GPP TS 32.182 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 132240 V 16.5.0	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 16.5.0 Release 16)	33.070.50	2022-04
ETSI TS 132253 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Digital cellular telecommunications system (Phase 2+) (GSM) – Telecommunication management – Charging management – Control Plane (CP) data transfer domain charging (3GPP TS 32.253 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 132256 V 17.0.0	5G – Charging management – 5G connection and mobility domain charging – Stage 2 (3GPP TS 32.256 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 132270 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Charging management – Multimedia Messaging Service (MMS) charging (3GPP TS 32.270 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 132271 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Charging management – Location Services (LCS) charging (3GPP TS 32.271 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 132273 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Charging management – Multimedia Broadcast and Multicast Service (MBMS) charging (3GPP TS 32.273 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 132276 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Charging management – Voice Call Service (VCS) charging (3GPP TS 32.276 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 132278 V 17.0.0	LTE – Telecommunication management – Charging management – Monitoring event charging (3GPP TS 32.278 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 132280 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Charging management – Advice of Charge (AoC) service (3GPP TS 32.280 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 132291 V 16.11.0	5G – Telecommunication management – Charging management – 5G system, charging service – Stage 3 (3GPP TS 32.291 version 16.11.0 Release 16)	33.070.50	2022-04
ETSI TS 132293 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Charging management – Proxy function (3GPP TS 32.293 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 132296 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Charging management – Online Charging System (OCS): Applications and interfaces (3GPP TS 32.296 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 132297 V 17.0.0	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 17.0.0 Release 17)	33.070.50	2022-04



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ETSI TS 132300 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Configuration Management (CM) – Name convention for Managed Objects (3GPP TS 32.300 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 132301 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Configuration Management (CM) – Notification Integration Reference Point (IRP) – Requirements (3GPP TS 32.301 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 132302 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Configuration Management (CM) – Notification Integration Reference Point (IRP) – Information Service (IS) (3GPP TS 32.302 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 132306 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Configuration Management (CM) – Notification Integration Reference Point (IRP): Solution Set (SS) definitions (3GPP TS 32.306 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 132311 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Generic Integration Reference Point (IRP) management – Requirements (3GPP TS 32.311 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 132312 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Generic Integration Reference Point (IRP) management – Information Service (IS) (3GPP TS 32.312 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 132316 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Generic Integration Reference Point (IRP) management – Solution Set (SS) definitions (3GPP TS 32.316 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 132321 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Test management Integration Reference Point (IRP) – Requirements (3GPP TS 32.321 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 132322 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Test management Integration Reference Point (IRP) – Information Service (IS) (3GPP TS 32.322 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 132326 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Test management Integration Reference Point (IRP): Solution Set (SS) definitions (3GPP TS 32.326 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 132331 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Notification Log (NL) Integration Reference Point (IRP) – Requirements (3GPP TS 32.331 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 132336 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Notification Log (NL) Integration Reference Point (IRP): Solution Set (SS) definitions (3GPP TS 32.336 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 132341 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – File Transfer (FT) Integration Reference Point (IRP) – Requirements (3GPP TS 32.341 version 17.0.0 Release 17)	33.070.50	2022-04

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ETSI TS 132342 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – File Transfer (FT) Integration Reference Point (IRP) – Information Service (IS) (3GPP TS 32.342 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 132346 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – File Transfer (FT) Integration Reference Point (IRP): Solution Set (SS) definitions (3GPP TS 32.346 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 132351 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Communication Surveillance (CS) Integration Reference Point (IRP) – Requirements (3GPP TS 32.351 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 132352 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Communication Surveillance (CS) Integration Reference Point (IRP) – Information Service (IS) (3GPP TS 32.352 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 132356 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Communication Surveillance (CS) Integration Reference Point (IRP) – Solution Set (SS) definitions (3GPP TS 32.356 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 132361 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Entry Point (EP) Integration Reference Point (IRP) – Requirements (3GPP TS 32.361 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 132362 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Entry Point (EP) Integration Reference Point (IRP) – Information Service (IS) (3GPP TS 32.362 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 132371 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Security Management concept and requirements (3GPP TS 32.371 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 132372 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Security services for Integration Reference Point (IRP) – Information Service (IS) (3GPP TS 32.372 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 132376 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Security services for Integration Reference Point (IRP) – Solution Set (SS) definitions (3GPP TS 32.376 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 132381 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Partial Suspension of ltf-N Integration Reference Point (IRP) – Requirements (3GPP TS 32.381 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 132386 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Partial Suspension of ltf-N Integration Reference Point (IRP) – Solution Set (SS) definitions (3GPP TS 32.386 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 132391 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Delta synchronization Integration Reference Point (IRP) – Requirements (3GPP TS 32.391 version 17.0.0 Release 17)	33.070.50	2022-04

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ETSI TS 132392 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Delta synchronization Integration Reference Point (IRP) – Information Service (IS) (3GPP TS 32.392 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 132396 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Delta synchronization Integration Reference Point (IRP) – Solution Set (SS) definitions (3GPP TS 32.396 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 132401 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Telecommunication management – Performance Management (PM) – Concept and requirements (3GPP TS 32.401 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 132404 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Performance Management (PM) – Performance measurements – Definitions and template (3GPP TS 32.404 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 132405 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Telecommunication management – Performance Management (PM) – Performance measurements – Universal Terrestrial Radio Access Network (UTRAN) (3GPP TS 32.405 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 132406 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Performance Management (PM) – Performance measurements – Core Network (CN) Packet Switched (PS) domain (3GPP TS 32.406 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 132407 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Performance Management (PM) – Performance measurements – Core Network (CN) Circuit Switched (CS) domain – UMTS and combined UMTS/GSM (3GPP TS 32.407 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 132408 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Performance Management (PM) – Performance measurements – Teleservice (3GPP TS 32.408 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 132409 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Performance Management (PM) – Performance measurements – IP Multimedia Subsystem (IMS) (3GPP TS 32.409 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 132410 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Telecommunication management – Key Performance Indicators (KPI) for UMTS and GSM (3GPP TS 32.410 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 132411 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Performance Management (PM) Integration Reference Point (IRP): Requirements (3GPP TS 32.411 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 132412 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Performance Management (PM) Integration Reference Point (IRP): Information Service (IS) (3GPP TS 32.412 version 17.0.0 Release 17)	33.070.50	2022-04

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ETSI TS 132416 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Performance Management (PM) Integration Reference Point (IRP) – Solution Set (SS) definitions (3GPP TS 32.416 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 132422 V 16.9.1	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 16.9.1 Release 16)	33.070.50	2022-04
ETSI TS 132426 V 17.0.0	LTE – Telecommunication management – Performance Management (PM) – Performance measurements Evolved Packet Core (EPC) network (3GPP TS 32.426 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 132432 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Performance measurement: File format definition (3GPP TS 32.432 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 132435 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Performance measurement – eXtensible Markup Language (XML) file format definition (3GPP TS 32.435 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 132436 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Performance measurement: Abstract Syntax Notation 1 (ASN.1) file format definition (3GPP TS 32.436 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 132441 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Trace Management Integration Reference Point (IRP) – Requirements (3GPP TS 32.441 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 133105 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – 3G Security – Cryptographic algorithm requirements (3GPP TS 33.105 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 133106 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Digital cellular telecommunications system (Phase 2+) (GSM) – 3G security – Lawful interception requirements (3GPP TS 33.106 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 133107 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Digital cellular telecommunications system (Phase 2+) (GSM) – 3G security – Lawful interception architecture and functions (3GPP TS 33.107 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 133108 V 17.0.0	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 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 133110 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Key establishment between a Universal Integrated Circuit Card (UICC) and a terminal (3GPP TS 33.110 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 133116 V 17.0.0	LTE – Security Assurance Specification (SCAS) for the MME network product class (3GPP TS 33.116 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 133122 V 17.0.0	LTE – 5G – Security aspects of Common API Framework (CAPIF) for 3GPP northbound APIs (3GPP TS 33.122 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 133128 V 15.8.0	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 15.8.0 Release 15)	33.070.50	2022-04

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ETSI TS 133128 V 16.10.0	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 16.10.0 Release 16)	33.070.50	2022-04
ETSI TS 133141 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Presence service – Security (3GPP TS 33.141 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 133180 V 16.9.0	LTE – Security of the Mission Critical (MC) service (3GPP TS 33.180 version 16.9.0 Release 16)	33.070.50	2022-04
ETSI TS 133185 V 17.0.0	LTE – 5G – Security aspect for LTE support of Vehicle-to-Everything (V2X) services (3GPP TS 33.185 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 133187 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Security aspects of Machine-Type Communications (MTC) and other mobile data applications communications enhancements (3GPP TS 33.187 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 133204 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 3G Security – Network Domain Security (NDS) – Transaction Capabilities Application Part (TCAP) user security (3GPP TS 33.204 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 133221 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Generic Authentication Architecture (GAA) – Support for subscriber certificates (3GPP TS 33.221 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 133224 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Generic Authentication Architecture (GAA) – Generic Bootstrapping Architecture (GBA) push layer (3GPP TS 33.224 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 133234 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – 3G security – Wireless Local Area Network (WLAN) interworking security (3GPP TS 33.234 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 133246 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – 3G Security – Security of Multimedia Broadcast/Multicast Service (MBMS) (3GPP TS 33.246 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 133250 V 17.0.0	LTE – Security assurance specification for the PGW network product class (3GPP TS 33.250 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 133259 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Key establishment between a UICC hosting device and a remote device (3GPP TS 33.259 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 133310 V 16.9.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Network Domain Security (NDS) – Authentication Framework (AF) (3GPP TS 33.310 version 16.9.0 Release 16)	33.070.50	2022-04
ETSI TS 133320 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Security of Home Node B (HNB) / Home evolved Node B (HeNB) (3GPP TS 33.320 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 133402 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 3GPP System Architecture Evolution (SAE) – Security aspects of non-3GPP accesses (3GPP TS 33.402 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 133434 V 16.3.1	LTE – 5G – Security aspects of Service Enabler Architecture Layer (SEAL) for verticals (3GPP TS 33.434 version 16.3.1 Release 16)	33.070.50	2022-04
ETSI TS 133434 V 17.1.1	LTE – 5G – Security aspects of Service Enabler Architecture Layer (SEAL) for verticals (3GPP TS 33.434 version 17.1.1 Release 17)	33.070.50	2022-04
ETSI TS 133501 V 15.15.0	5G – Security architecture and procedures for 5G System (3GPP TS 33.501 version 15.15.0 Release 15)	33.070.50	2022-04

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ETSI TS 133501 V 16.10.0	5G – Security architecture and procedures for 5G System (3GPP TS 33.501 version 16.10.0 Release 16)	33.070.50	2022-04
ETSI TS 133515 V 17.0.0	5G – 5G Security Assurance Specification (SCAS) for the Session Management Function (SMF) network product class (3GPP TS 33.515 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 133516 V 17.0.0	5G – 5G Security Assurance Specification (SCAS) for the Authentication Server Function (AUSF) network product class (3GPP TS 33.516 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 133518 V 17.0.0	5G – 5G Security Assurance Specification (SCAS) for the Network Repository Function (NRF) network product class (3GPP TS 33.518 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 133519 V 17.0.0	5G – 5G Security Assurance Specification (SCAS) for the Network Exposure Function (NEF) network product class (3GPP TS 33.519 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 133536 V 17.0.0	LTE – 5G – Security aspects of 3GPP support for advanced Vehicle-to-Everything (V2X) services (3GPP TS 33.536 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TR 133905 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Recommendations for Trusted Open Platforms (3GPP TR 33.905 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TR 133916 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Security Assurance Methodology (SECAM) for 3GPP network products (3GPP TR 33.916 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TR 133919 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 3G Security – Generic Authentication Architecture (GAA) – System description (3GPP TR 33.919 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TR 133924 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Identity management and 3GPP security interworking – Identity management and Generic Authentication Architecture (GAA) interworking (3GPP TR 33.924 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TR 133935 V 17.0.0	LTE – 5G – Study on detailed Long Term Key Update Process (LTKUP) detailed solutions (3GPP TR 33.935 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TR 133937 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Study of mechanisms for Protection against Unsolicited Communication for IMS (PUCI) (3GPP TR 33.937 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TR 133969 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Study on security aspects of Public Warning System (PWS) (3GPP TR 33.969 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TR 133980 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Liberty Alliance and 3GPP security interworking – Interworking of Liberty Alliance Identity Federation Framework (ID-FF), Identity Web Services Framework (ID-WSF) and Generic Authentication Architecture (GAA) (3GPP TR 33.980 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TR 133995 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Study on security aspects of integration of Single Sign-On (SSO) frameworks with 3GPP operator-controlled resources and mechanisms (3GPP TR 33.995 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 134131 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Test Specification for C-language binding to (Universal) Subscriber Interface Module ((U)SIM) Application Programming Interface (API) (3GPP TS 34.131 version 17.0.0 Release 17)	33.070.50	2022-04

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ETSI TS 135201 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – 3G Security – Specification of the 3GPP confidentiality and integrity algorithms – Document 1: f8 and f9 specification (3GPP TS 35.201 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 135202 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – 3G Security – Specification of the 3GPP confidentiality and integrity algorithms – Document 2: Kasumi specification (3GPP TS 35.202 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 135203 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – 3G Security – Specification of the 3GPP confidentiality and integrity algorithms – Document 3: Implementors' test data (3GPP TS 35.203 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 135204 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – 3G Security – Specification of the 3GPP confidentiality and integrity algorithms – Document 4: Design conformance test data (3GPP TS 35.204 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 135205 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – 3G Security – Specification of the MILENAGE algorithm set: An example algorithm set for the 3GPP authentication and key generation functions f1, f1; , f2, f3, f4, f5 and f5; – Document 1: General (3GPP TS 35.205 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 135206 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – 3G Security – Specification of the MILENAGE algorithm set: An example algorithm set for the 3GPP authentication and key generation functions f1, f1; , f2, f3, f4, f5 and f5; – Document 2: Algorithm specification (3GPP TS 35.206 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 135207 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – 3G Security – Specification of the MILENAGE algorithm set: An example algorithm set for the 3GPP authentication and key generation functions f1, f1; , f2, f3, f4, f5 and f5; – Document 3: Implementors' test data (3GPP TS 35.207 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 135208 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – 3G Security – Specification of the MILENAGE algorithm set: An example algorithm set for the 3GPP authentication and key generation functions f1, f1; , f2, f3, f4, f5 and f5; – Document 4: Design conformance test data (3GPP TS 35.208 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 135215 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Specification of the 3GPP Confidentiality and Integrity Algorithms UEA2 & UIA2 – Document 1: UEA2 and UIA2 specifications (3GPP TS 35.215 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 135216 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Specification of the 3GPP Confidentiality and Integrity Algorithms UEA2 & UIA2 – Document 2: SNOW 3G specification (3GPP TS 35.216 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 135217 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Specification of the 3GPP Confidentiality and Integrity Algorithms UEA2 & UIA2 – Document 3: Implementors' test data (3GPP TS 35.217 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 135218 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Specification of the 3GPP Confidentiality and Integrity Algorithms UEA2 & UIA2 – Document 4: Design conformance test data (3GPP TS 35.218 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 135221 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Specification of the 3GPP Confidentiality and Integrity Algorithms EEA3 & EIA3 – Document 1: EEA3 and EIA3 specifications (3GPP TS 35.221 version 17.0.0 Release 17)	33.070.50	2022-04

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ETSI TS 135222 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Specification of the 3GPP Confidentiality and Integrity Algorithms EEA3 & EIA3 – Document 2: ZUC specification (3GPP TS 35.222 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 135223 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Specification of the 3GPP Confidentiality and Integrity Algorithms EEA3 & EIA3 – Document 3: Implementors' test data (3GPP TS 35.223 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 135231 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Specification of the TUAK algorithm set: A second example algorithm set for the 3GPP authentication and key generation functions f1, f1; , f2, f3, f4, f5 and f5; – Document 1: Algorithm specification (3GPP TS 35.231 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 135232 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Specification of the TUAK algorithm set: A second example algorithm set for the 3GPP authentication and key generation functions f1, f1; , f2, f3, f4, f5 and f5; – Document 2: Implementers test data (3GPP TS 35.232 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 135233 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Specification of the TUAK algorithm set: A second example algorithm set for the 3GPP authentication and key generation functions f1, f1; , f2, f3, f4, f5 and f5; – Document 3: Design conformance test data (3GPP TS 35.233 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TR 135909 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – 3G Security – Specification of the MILENAGE algorithm set: an example algorithm set for the 3GPP authentication and key generation functions f1, f1; , f2, f3, f4, f5 and f5; – Document 5: Summary and results of design and evaluation (3GPP TR 35.909 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TR 135919 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Specification of the 3GPP Confidentiality and Integrity Algorithms UEA2 & UIA2 – Document 5: Design and evaluation report (3GPP TR 35.919 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TR 135924 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Specification of the 3GPP Confidentiality and Integrity Algorithms EEA3 & EIA3 – Document 4: Design and Evaluation Report (3GPP TR 35.924 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TR 135934 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Specification of the TUAK algorithm set: A second example algorithm set for the 3GPP authentication and key generation functions f1, f1; , f2, f3, f4, f5 and f5; – Document 4: Report on the design and evaluation (3GPP TR 35.934 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TR 135935 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Specification of the TUAK algorithm set: A second example algorithm set for the 3GPP authentication and key generation functions f1, f1; , f2, f3, f4, f5 and f5; – Document 5: Performance evaluation (3GPP TR 35.935 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TR 135936 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Specification of the TUAK algorithm set: A second example algorithm set for the 3GPP authentication and key generation functions f1, f1; , f2, f3, f4, f5 and f5; – Document 6: Security assessment (3GPP TR 35.936 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 136101 V 10.32.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – User Equipment (UE) radio transmission and reception (3GPP TS 36.101 version 10.32.0 Release 10)	33.070.50; 33.070.99	2022-04
ETSI TS 136101 V 11.29.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – User Equipment (UE) radio transmission and reception (3GPP TS 36.101 version 11.29.0 Release 11)	33.070.50; 33.070.99	2022-04
ETSI TS 136101 V 12.29.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – User Equipment (UE) radio transmission and reception (3GPP TS 36.101 version 12.29.0 Release 12)	33.070.50; 33.070.99	2022-04



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ETSI TS 136101 V 13.23.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – User Equipment (UE) radio transmission and reception (3GPP TS 36.101 version 13.23.0 Release 13)	33.070.50; 33.070.99	2022-04
ETSI TS 136101 V 14.21.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – User Equipment (UE) radio transmission and reception (3GPP TS 36.101 version 14.21.0 Release 14)	33.070.50; 33.070.99	2022-04
ETSI TS 136101 V 15.17.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – User Equipment (UE) radio transmission and reception (3GPP TS 36.101 version 15.17.0 Release 15)	33.070.50; 33.070.99	2022-04
ETSI TS 136101 V 16.12.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – User Equipment (UE) radio transmission and reception (3GPP TS 36.101 version 16.12.0 Release 16)	33.070.50; 33.070.99	2022-04
ETSI TS 136104 V 15.15.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Base Station (BS) radio transmission and reception (3GPP TS 36.104 version 15.15.0 Release 15)	33.070.50	2022-04
ETSI TS 136104 V 16.13.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Base Station (BS) radio transmission and reception (3GPP TS 36.104 version 16.13.0 Release 16)	33.070.50	2022-04
ETSI TS 136104 V 17.5.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Base Station (BS) radio transmission and reception (3GPP TS 36.104 version 17.5.0 Release 17)	33.070.50	2022-04
ETSI TS 136133 V 16.12.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Requirements for support of radio resource management (3GPP TS 36.133 version 16.12.0 Release 16)	33.070.50; 33.070.99	2022-04
ETSI TS 136141 V 15.16.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Base Station (BS) conformance testing (3GPP TS 36.141 version 15.16.0 Release 15)	33.070.50	2022-04
ETSI TS 136141 V 16.13.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Base Station (BS) conformance testing (3GPP TS 36.141 version 16.13.0 Release 16)	33.070.50	2022-04
ETSI TS 136141 V 17.5.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Base Station (BS) conformance testing (3GPP TS 36.141 version 17.5.0 Release 17)	33.070.50	2022-04
ETSI TS 136201 V 17.0.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – LTE physical layer – General description (3GPP TS 36.201 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 136212 V 17.1.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Multiplexing and channel coding (3GPP TS 36.212 version 17.1.0 Release 17)	33.070.50	2022-04
ETSI TS 136214 V 17.0.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Physical layer – Measurements (3GPP TS 36.214 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 136216 V 17.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Physical layer for relaying operation (3GPP TS 36.216 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TR 136912 V 17.0.0	LTE – Feasibility study for Further Advancements for E-UTRA (LTE-Advanced) (3GPP TR 36.912 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TR 136976 V 17.0.0	LTE – Overall description of LTE-based 5G broadcast (3GPP TR 36.976 version 17.0.0 Release 17)	33.070.99	2022-04
ETSI TS 137104 V 15.16.0	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 15.16.0 Release 15)	33.070.50	2022-04
ETSI TS 137104 V 16.13.0	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 16.13.0 Release 16)	33.070.50	2022-04

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ETSI TS 137104 V 17.5.0	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 17.5.0 Release 17)	33.070.50	2022-04
ETSI TS 137105 V 15.16.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Active Antenna System (AAS) Base Station (BS) transmission and reception (3GPP TS 37.105 version 15.16.0 Release 15)	33.070.99	2022-04
ETSI TS 137105 V 16.11.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Active Antenna System (AAS) Base Station (BS) transmission and reception (3GPP TS 37.105 version 16.11.0 Release 16)	33.070.99	2022-04
ETSI TS 137105 V 17.5.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Active Antenna System (AAS) Base Station (BS) transmission and reception (3GPP TS 37.105 version 17.5.0 Release 17)	33.070.99	2022-04
ETSI TS 137141 V 15.17.0	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 15.17.0 Release 15)	33.070.50	2022-04
ETSI TS 137141 V 16.13.0	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 16.13.0 Release 16)	33.070.50	2022-04
ETSI TS 137145-1 V 15.13.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Active Antenna System (AAS) Base Station (BS) conformance testing – Part 1: conducted conformance testing (3GPP TS 37.145-1 version 15.13.0 Release 15)	33.070.99	2022-04
ETSI TS 137145-1 V 16.10.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Active Antenna System (AAS) Base Station (BS) conformance testing – Part 1: conducted conformance testing (3GPP TS 37.145-1 version 16.10.0 Release 16)	33.070.99	2022-04
ETSI TS 137145-1 V 17.5.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Active Antenna System (AAS) Base Station (BS) conformance testing – Part 1: conducted conformance testing (3GPP TS 37.145-1 version 17.5.0 Release 17)	33.070.99	2022-04
ETSI TS 137145-2 V 15.14.0	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 15.14.0 Release 15)	33.070.99	2022-04
ETSI TS 137145-2 V 16.11.0	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 16.11.0 Release 16)	33.070.99	2022-04
ETSI TS 137145-2 V 17.5.0	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 17.5.0 Release 17)	33.070.99	2022-04
ETSI TS 137213 V 16.8.0	LTE – 5G – Physical layer procedures for shared spectrum channel access (3GPP TS 37.213 version 16.8.0 Release 16)	33.070.99	2022-04
ETSI TS 137213 V 17.1.0	LTE – 5G – Physical layer procedures for shared spectrum channel access (3GPP TS 37.213 version 17.1.0 Release 17)	33.070.99	2022-04
ETSI TS 137480 V 17.0.0	5G – E1 general aspects and principles (3GPP TS 37.480 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 137481 V 17.0.0	5G – E1 layer 1 (3GPP TS 37.481 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TR 137985 V 16.1.0	LTE – 5G – Overall description of Radio Access Network (RAN) aspects for Vehicle-to-everything (V2X) based on LTE and NR (3GPP TR 37.985 version 16.1.0 Release 16)	33.070.99	2022-04
ETSI TS 138101-2 V 15.17.0	5G – NR – User Equipment (UE) radio transmission and reception – Part 2: Range 2 Standalone (3GPP TS 38.101-2 version 15.17.0 Release 15)	33.070.99	2022-04

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ETSI TS 138101-2 V 17.5.0	5G – NR – User Equipment (UE) radio transmission and reception – Part 2: Range 2 Standalone (3GPP TS 38.101-2 version 17.5.0 Release 17)	33.070.99	2022-04
ETSI TS 138101-4 V 15.13.0	5G – NR – User Equipment (UE) radio transmission and reception – Part 4: Performance requirements (3GPP TS 38.101-4 version 15.13.0 Release 15)	33.070.99	2022-04
ETSI TS 138101-4 V 16.8.0	5G – NR – User Equipment (UE) radio transmission and reception – Part 4: Performance requirements (3GPP TS 38.101-4 version 16.8.0 Release 16)	33.070.99	2022-04
ETSI TS 138101-4 V 17.4.0	5G – NR – User Equipment (UE) radio transmission and reception – Part 4: Performance requirements (3GPP TS 38.101-4 version 17.4.0 Release 17)	33.070.99	2022-04
ETSI TS 138104 V 16.11.0	5G – NR – Base Station (BS) radio transmission and reception (3GPP TS 38.104 version 16.11.0 Release 16)	33.070.99	2022-04
ETSI TS 138104 V 17.5.0	5G – NR – Base Station (BS) radio transmission and reception (3GPP TS 38.104 version 17.5.0 Release 17)	33.070.99	2022-04
ETSI TS 138106 V 17.0.0	5G – NR repeater radio transmission and reception (3GPP TS 38.106 version 17.0.0 Release 17)	33.070.99	2022-04
ETSI TS 138113 V 17.0.0	5G – NR – Base Station (BS) ElectroMagnetic Compatibility (EMC) (3GPP TS 38.113 version 17.0.0 Release 17)	33.070.99	2022-04
ETSI TS 138114 V 17.0.1	5G – NR – Repeaters ElectroMagnetic Compatibility (EMC) (3GPP TS 38.114 version 17.0.1 Release 17)	33.070.99	2022-04
ETSI TS 138124 V 17.0.0	5G – NR – Electromagnetic compatibility (EMC) requirements for mobile terminals and ancillary equipment (3GPP TS 38.124 version 17.0.0 Release 17)	33.070.99	2022-04
ETSI TS 138141-1 V 15.12.0	5G – NR – Base Station (BS) conformance testing Part 1: Conducted conformance testing (3GPP TS 38.141-1 version 15.12.0 Release 15)	33.070.99	2022-04
ETSI TS 138141-1 V 16.11.0	5G – NR – Base Station (BS) conformance testing Part 1: Conducted conformance testing (3GPP TS 38.141-1 version 16.11.0 Release 16)	33.070.99	2022-04
ETSI TS 138141-1 V 17.5.0	5G – NR – Base Station (BS) conformance testing Part 1: Conducted conformance testing (3GPP TS 38.141-1 version 17.5.0 Release 17)	33.070.99	2022-04
ETSI TS 138141-2 V 16.11.0	5G – NR – Base Station (BS) conformance testing Part 2: Radiated conformance testing (3GPP TS 38.141-2 version 16.11.0 Release 16)	33.070.99	2022-04
ETSI TS 138141-2 V 17.5.0	5G – NR – Base Station (BS) conformance testing Part 2: Radiated conformance testing (3GPP TS 38.141-2 version 17.5.0 Release 17)	33.070.99	2022-04
ETSI TS 138151 V 17.0.0	5G – NR – User Equipment (UE) Multiple Input Multiple Output (MIMO) Over-the-Air (OTA) performance requirements (3GPP TS 38.151 version 17.0.0 Release 17)	33.070.99	2022-04
ETSI TS 138171 V 17.0.0	5G – NR – Requirements for support of Assisted Global Navigation Satellite System (A-GNSS) (3GPP TS 38.171 version 17.0.0 Release 17)	33.070.99	2022-04
ETSI TS 138174 V 16.6.0	5G – NR – Integrated Access and Backhaul (IAB) radio transmission and reception (3GPP TS 38.174 version 16.6.0 Release 16)	33.070.99	2022-04
ETSI TS 138174 V 17.0.0	5G – NR – Integrated Access and Backhaul (IAB) radio transmission and reception (3GPP TS 38.174 version 17.0.0 Release 17)	33.070.99	2022-04
ETSI TS 138175 V 17.0.0	5G – NR – Integrated Access and Backhaul (IAB) Electromagnetic Compatibility (EMC) (3GPP TS 38.175 version 17.0.0 Release 17)	33.070.99	2022-04
ETSI TS 138176-1 V 16.3.0	5G – NR – Integrated Access and Backhaul (IAB) conformance testing – Part 1: Conducted conformance testing (3GPP TS 38.176-1 version 16.3.0 Release 16)	33.070.99	2022-04
ETSI TS 138176-1 V 17.0.0	5G – NR – Integrated Access and Backhaul (IAB) conformance testing – Part 1: Conducted conformance testing (3GPP TS 38.176-1 version 17.0.0 Release 17)	33.070.99	2022-04

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ETSI TS 138176-2 V 16.3.0	5G – NR – Integrated Access and Backhaul (IAB) conformance testing – Part 2: Radiated conformance testing (3GPP TS 38.176-2 version 16.3.0 Release 16)	33.070.99	2022-04
ETSI TS 138176-2 V 17.0.0	5G – NR – Integrated Access and Backhaul (IAB) conformance testing – Part 2: Radiated conformance testing (3GPP TS 38.176-2 version 17.0.0 Release 17)	33.070.99	2022-04
ETSI TS 138202 V 17.1.0	5G – NR – Services provided by the physical layer (3GPP TS 38.202 version 17.1.0 Release 17)	33.070.99	2022-04
ETSI TS 138211 V 16.9.0	5G – NR – Physical channels and modulation (3GPP TS 38.211 version 16.9.0 Release 16)	33.070.99	2022-04
ETSI TS 138211 V 17.1.0	5G – NR – Physical channels and modulation (3GPP TS 38.211 version 17.1.0 Release 17)	33.070.99	2022-04
ETSI TS 138212 V 16.9.0	5G – NR – Multiplexing and channel coding (3GPP TS 38.212 version 16.9.0 Release 16)	33.070.99	2022-04
ETSI TS 138212 V 17.1.0	5G – NR – Multiplexing and channel coding (3GPP TS 38.212 version 17.1.0 Release 17)	33.070.99	2022-04
ETSI TS 138213 V 16.9.0	5G – NR – Physical layer procedures for control (3GPP TS 38.213 version 16.9.0 Release 16)	33.070.99	2022-04
ETSI TS 138214 V 15.16.0	5G – NR – Physical layer procedures for data (3GPP TS 38.214 version 15.16.0 Release 15)	33.070.99	2022-04
ETSI TS 138214 V 16.9.0	5G – NR – Physical layer procedures for data (3GPP TS 38.214 version 16.9.0 Release 16)	33.070.99	2022-04
ETSI TS 138215 V 16.5.0	5G – NR – Physical layer measurements (3GPP TS 38.215 version 16.5.0 Release 16)	33.070.99	2022-04
ETSI TS 138215 V 17.1.0	5G – NR – Physical layer measurements (3GPP TS 38.215 version 17.1.0 Release 17)	33.070.99	2022-04
ETSI TS 138307 V 16.10.0	5G – NR – Requirements on User Equipments (UEs) supporting a release-independent frequency band (3GPP TS 38.307 version 16.10.0 Release 16)	33.070.99	2022-04
ETSI TS 138307 V 17.5.0	5G – NR – Requirements on User Equipments (UEs) supporting a release-independent frequency band (3GPP TS 38.307 version 17.5.0 Release 17)	33.070.99	2022-04
ETSI TS 138523-1 V 16.10.0	5G – LTE – 5GS – User Equipment (UE) conformance specification – Part 1: Protocol (3GPP TS 38.523-1 version 16.10.0 Release 16)	33.070.99	2022-04
ETSI TR 138901 V 17.0.0	5G – Study on channel model for frequencies from 0.5 to 100 GHz (3GPP TR 38.901 version 17.0.0 Release 17)	33.070.99	2022-04
ETSI TR 141031 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Fraud Information Gathering System (FIGS) – Service requirements – Stage 0 (3GPP TR 41.031 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 141101 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Technical Specifications and Technical Reports for a GERAN-based 3GPP system (3GPP TS 41.101 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 142043 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Support of Localised Service Area (SoLSA) – Service description – Stage 1 (3GPP TS 42.043 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 142056 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – GSM Cordless Telephony System (CTS), Phase 1 – Service description – Stage 1 (3GPP TS 42.056 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 142068 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Voice Group Call Service (VGCS) – Stage 1 (3GPP TS 42.068 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 142069 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Voice Broadcast Service (VBS) – Stage 1 (3GPP TS 42.069 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 143005 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Technical performance objectives (3GPP TS 43.005 version 17.0.0 Release 17)	33.070.50	2022-04

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ETSI TS 143010 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – GSM Public Land Mobile Network (PLMN) connection types (3GPP TS 43.010 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 143020 V 11.4.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Security related network functions (3GPP TS 43.020 version 11.4.0 Release 11)	33.070.50	2022-04
ETSI TS 143020 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Security related network functions (3GPP TS 43.020 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 143045 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Technical realization of facsimile group 3 transparent (3GPP TS 43.045 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 143073 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Support of Localised Service Area (SoLSA) – Stage 2 (3GPP TS 43.073 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 144021 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Rate adaption on the Mobile Station – Base Station System (MS – BSS) interface (3GPP TS 44.021 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 148020 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Rate adaption on the Base Station System – Mobile-services Switching Centre (BSS – MSC) interface (3GPP TS 48.020 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 151010-4 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Mobile Station (MS) conformance specification – Part 4: Subscriber Identity Module (SIM) application toolkit conformance test specification (3GPP TS 51.010-4 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 155205 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Specification of the GSM-MILENAGE algorithms: An example algorithm set for the GSM Authentication and Key Generation Functions A3 and A8 (3GPP TS 55.205 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 155216 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – 3G Security – Specification of the A5/3 encryption algorithms for GSM and ECSD, and the GEA3 encryption algorithm for GPRS – Document 1: A5/3 and GEA3 specifications (3GPP TS 55.216 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 155217 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – 3G Security – Specification of the A5/3 encryption algorithms for GSM and ECSD, and the GEA3 encryption algorithm for GPRS – Document 2: Implementors' test data (3GPP TS 55.217 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 155218 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – 3G Security – Specification of the A5/3 encryption algorithms for GSM and ECSD, and the GEA3 encryption algorithm for GPRS – Document 3: Design conformance test data (3GPP TS 55.218 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 155226 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – 3G Security – Specification of the A5/4 Encryption Algorithms for GSM and ECSD, and the GEA4 Encryption Algorithm for GPRS (3GPP TS 55.226 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 155236 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Specification of A8 V MILENAGE Algorithm: An example algorithm for the key generation function A8 V (3GPP TS 55.236 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 155241 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Specification of the GIA4 integrity algorithm for General Packet Radio Service (GPRS) – GIA4 specification (3GPP TS 55.241 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 155242 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Specification of the GIA4 integrity algorithm for General Packet Radio Service (GPRS) – Implementers' test data (3GPP TS 55.242 version 17.0.0 Release 17)	33.070.50	2022-04

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ETSI TS 155243 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Specification of the GIA4 integrity algorithm for General Packet Radio Service (GPRS) – Design conformance test data (3GPP TS 55.243 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 155251 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Specification of the GEA5 and GIA5 encryption algorithms for General Packet Radio Service (GPRS) – GEA5 and GIA5 algorithm specification (3GPP TS 55.251 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 155252 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Specification of the GEA5 encryption and GIA5 integrity algorithms for General Packet Radio Service (GPRS) – Implementers' test data (3GPP TS 55.252 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 155253 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Specification of the GEA5 encryption and GIA5 integrity algorithms for General Packet Radio Service (GPRS) – Design conformance test data (3GPP TS 55.253 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TR 155919 V 17.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – 3G Security – Specification of the A5/3 encryption algorithms for GSM and ECSD, and the GEA3 encryption algorithm for GPRS – Document 4: Design and evaluation report (3GPP TR 55.919 version 17.0.0 Release 17)	33.070.50	2022-04
ETSI TS 186001-5 V 2.4.1	Core Network and Interoperability Testing (INT) – Network Integration Testing between SIP and ISDN/PSTN network signalling protocols – Part 5: Test Suite Structure and Test Purposes (TSS&TP)	33.040.99	2022-04
ETSI ES 202781 V 1.9.1	Methods for Testing and Specification (MTS) – The Testing and Test Control Notation version 3 – TTCN-3 Language Extensions: Configuration and Deployment Support	33.020	2022-04
ETSI ES 202784 V 1.9.1	Methods for Testing and Specification (MTS) – The Testing and Test Control Notation version 3 – TTCN-3 Language Extensions: Advanced Parameterization	33.020	2022-04
ETSI ES 202786 V 1.5.1	Methods for Testing and Specification (MTS) – The Testing and Test Control Notation version 3 – TTCN-3 Language Extensions: Support of interfaces with continuous signals	33.020	2022-04
ETSI ES 202789 V 1.6.1	Methods for Testing and Specification (MTS) – The Testing and Test Control Notation version 3 – TTCN-3 Language Extensions: Extended TRI	33.020; 35.100.60	2022-04
ETSI ES 203022 V 1.5.1	Methods for Testing and Specification (MTS) – The Testing and Test Control Notation version 3 – TTCN-3 Language extension: Advanced Matching	33.020; 35.100.60	2022-04
ETSI ES 203228 V 1.4.1	Environmental Engineering (EE) – Assessment of mobile network energy efficiency	33.040.01	2022-04
ETSI ES 203790 V 1.4.1	Methods for Testing and Specification (MTS) – The Testing and Test Control Notation version 3 – TTCN-3 Language Extensions: Object-Oriented Features	33.020; 35.080; 35.100.60	2022-04
ETSI ES 205200-3-2 V 1.1.1	Access, Terminals, Transmission and Multiplexing (ATTM) – Carbon Intensity Management – Operational infrastructures – Implementation of Global KPIs – Part 3: ICT Sites – Sub-part 2: DCCM	33.060.40	2022-04
ETSI GR F5G 010 V 1.1.1	Fifth Generation Fixed Network (F5G) – Security – Threat Vulnerability Risk Analysis and countermeasure recommendations for F5G	33.070.99	2022-04
ETSI GR IPE 002 V 1.1.1	IPv6 Enhanced Innovation (IPE) – IPv6 based Data Centers, Network and Cloud Integration	35.240.95	2022-04
ETSI GS MEC-DEC 032-2 V 3.1.1	Multi-access Edge Computing (MEC) – API Conformance Test Specification – Part 2: Test Purposes (TP)	33.070.99	2022-04
ETSI GS MEC-DEC 032-3 V 3.1.1	Multi-access Edge Computing (MEC) – API Conformance Test Specification – Part 3: Abstract Test Suite (ATS)	33.070.99	2022-04
ETSI GS QKD 015 V 2.1.1	Quantum Key Distribution (QKD) – Control Interface for Software Defined Networks	35.240.15	2022-04

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ETSI GS QKD 018 V 1.1.1	Quantum Key Distribution (QKD) – Orchestration Interface for Software Defined Networks	35.240.15	2022-04
EN 300338-7 V 1.1.1	Technical characteristics and methods of measurement for equipment for generation, transmission and reception of Digital Selective Calling (DSC) in the maritime MF, MF/HF and/or VHF mobile service – Part 7: Implementation of Bridge Alert Management (BAM) in DSC radio equipment	33.060.20; 47.020.70	2022-04

## Međunarodna normizacija (ISO)

Oznaka norme	Naslov norme	ICS	Datum objave
ISO 799-3	Ships and marine technology – Pilot ladders – Part 3: Attachments and associated equipment	47.020.50	2022-04
ISO 2782-1	Rubber, vulcanized or thermoplastic – Determination of permeability to gases – Part 1: Differential-pressure methods	83.060	2022-04
ISO 3506-5	Fasteners – Mechanical properties of corrosion-resistant stainless steel fasteners – Part 5: Special fasteners (also including fasteners from nickel alloys) for high temperature applications	21.060.99	2022-04
ISO 3531-1	Financial services – Financial information eXchange session layer – Part 1: FIX tagvalue encoding	03.060	2022-04
ISO 3531-2	Financial services – Financial information eXchange session layer – Part 2: FIX session layer	03.060	2022-04
ISO 3531-3	Financial services – Financial information eXchange session layer – Part 3: FIX session layer test cases	03.060	2022-04
ISO 4531	Vitreous and porcelain enamels – Release from enamelled articles in contact with food – Methods of test and limits	25.220.50; 67.250; 97.040.60	2022-04
ISO 4765	Chemically-induced ultra-weak photon emission (UPE) – Measurement as an analysis method of degradation of polymeric material	83.080.01	2022-04
ISO 5345	Intelligent transport systems – Identifiers	03.220.01; 35.240.60	2022-04
ISO/TS 5385	Road vehicles – Anti-fog coating for exterior lighting devices – Specification	43.040.20	2022-04
ISO/TS 5798	In vitro diagnostic test systems – Requirements and recommendations for detection of severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) by nucleic acid amplification methods	11.100.01	2022-04
ISO 5984	Animal feeding stuffs – Determination of crude ash	65.120	2022-04
ISO 6101-3	Rubber – Determination of metal content by atomic absorption spectrometry – Part 3: Determination of copper content	83.060	2022-04
ISO 6101-4	Rubber – Determination of metal content by atomic absorption spectrometry – Part 4: Determination of manganese content	83.060	2022-04
ISO 6346	Freight containers – Coding, identification and marking	55.180.10	2022-04
ISO 7141	Road vehicles – Light alloy wheels – Lateral impact test	43.040.50	2022-04
ISO 7176-19	Wheelchairs – Part 19: Wheelchairs for use as seats in motor vehicles	11.180.10	2022-04
ISO/TR 7240-9	Fire detection and alarm systems – Part 9: Test fires for fire detectors	13.220.20	2022-04
ISO 7547	Ships and marine technology – Air-conditioning and ventilation of accommodation spaces and other enclosed compartments on board ships – Design conditions and basis of calculations	47.020.80; 47.020.90	2022-04
ISO 7851	Fertilizers, soil conditioners and beneficial substances – Classification	65.080	2022-04
ISO 7967-6	Reciprocating internal combustion engines – Vocabulary of components and systems – Part 6: Lubricating systems	01.040.27; 27.020	2022-04
ISO 7967-10	Reciprocating internal combustion engines – Vocabulary of components and systems – Part 10: Ignition systems	01.040.27; 27.020	2022-04
ISO 8000-1	Data quality – Part 1: Overview	25.040.40	2022-04
ISO 8132	Hydraulic fluid power – Mounting dimensions for accessories for single rod cylinders, 16 MPa (160 bar) medium and 25 MPa (250 bar) series	23.100.20	2022-04
ISO 8655-1	Piston-operated volumetric apparatus – Part 1: Terminology, general requirements and user recommendations	01.040.17; 17.060	2022-04
ISO 8655-2	Piston-operated volumetric apparatus – Part 2: Pipettes	17.060	2022-04
ISO 8655-3	Piston-operated volumetric apparatus – Part 3: Burettes	17.060	2022-04
ISO 8655-4	Piston-operated volumetric apparatus – Part 4: Dilutors	17.060	2022-04



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ISO 799-3	Ships and marine technology – Pilot ladders – Part 3: Attachments and associated equipment	47.020.50	2022-04
ISO 2782-1	Rubber, vulcanized or thermoplastic – Determination of permeability to gases – Part 1: Differential-pressure methods	83.060	2022-04
ISO 3506-5	Fasteners – Mechanical properties of corrosion-resistant stainless steel fasteners – Part 5: Special fasteners (also including fasteners from nickel alloys) for high temperature applications	21.060.99	2022-04
ISO 3531-1	Financial services – Financial information eXchange session layer – Part 1: FIX tagvalue encoding	03.060	2022-04
ISO 3531-2	Financial services – Financial information eXchange session layer – Part 2: FIX session layer	03.060	2022-04
ISO 3531-3	Financial services – Financial information eXchange session layer – Part 3: FIX session layer test cases	03.060	2022-04
ISO 4531	Vitreous and porcelain enamels – Release from enamelled articles in contact with food – Methods of test and limits	25.220.50; 67.250; 97.040.60	2022-04
ISO 4765	Chemically-induced ultra-weak photon emission (UPE) – Measurement as an analysis method of degradation of polymeric material	83.080.01	2022-04
ISO 5345	Intelligent transport systems – Identifiers	03.220.01; 35.240.60	2022-04
ISO/TS 5385	Road vehicles – Anti-fog coating for exterior lighting devices – Specification	43.040.20	2022-04
ISO/TS 5798	In vitro diagnostic test systems – Requirements and recommendations for detection of severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) by nucleic acid amplification methods	11.100.01	2022-04
ISO 5984	Animal feeding stuffs – Determination of crude ash	65.120	2022-04
ISO 6101-3	Rubber – Determination of metal content by atomic absorption spectrometry – Part 3: Determination of copper content	83.060	2022-04
ISO 6101-4	Rubber – Determination of metal content by atomic absorption spectrometry – Part 4: Determination of manganese content	83.060	2022-04
ISO 6346	Freight containers – Coding, identification and marking	55.180.10	2022-04
ISO 7141	Road vehicles – Light alloy wheels – Lateral impact test	43.040.50	2022-04
ISO 7176-19	Wheelchairs – Part 19: Wheelchairs for use as seats in motor vehicles	11.180.10	2022-04
ISO/TR 7240-9	Fire detection and alarm systems – Part 9: Test fires for fire detectors	13.220.20	2022-04
ISO 7547	Ships and marine technology – Air-conditioning and ventilation of accommodation spaces and other enclosed compartments on board ships – Design conditions and basis of calculations	47.020.80; 47.020.90	2022-04
ISO 7851	Fertilizers, soil conditioners and beneficial substances – Classification	65.080	2022-04
ISO 7967-6	Reciprocating internal combustion engines – Vocabulary of components and systems – Part 6: Lubricating systems	01.040.27; 27.020	2022-04
ISO 7967-10	Reciprocating internal combustion engines – Vocabulary of components and systems – Part 10: Ignition systems	01.040.27; 27.020	2022-04
ISO 8000-1	Data quality – Part 1: Overview	25.040.40	2022-04
ISO 8132	Hydraulic fluid power – Mounting dimensions for accessories for single rod cylinders, 16 MPa (160 bar) medium and 25 MPa (250 bar) series	23.100.20	2022-04
ISO 8655-1	Piston-operated volumetric apparatus – Part 1: Terminology, general requirements and user recommendations	01.040.17; 17.060	2022-04
ISO 8655-2	Piston-operated volumetric apparatus – Part 2: Pipettes	17.060	2022-04
ISO 8655-3	Piston-operated volumetric apparatus – Part 3: Burettes	17.060	2022-04
ISO 8655-4	Piston-operated volumetric apparatus – Part 4: Dilutors	17.060	2022-04

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ISO 8655-5	Piston-operated volumetric apparatus – Part 5: Dispensers	17.060	2022-04
ISO 8655-6	Piston-operated volumetric apparatus – Part 6: Gravimetric reference measurement procedure for the determination of volume	17.060	2022-04
ISO 8655-7	Piston-operated volumetric apparatus – Part 7: Alternative measurement procedures for the determination of volume	17.060	2022-04
ISO 8655-8	Piston-operated volumetric apparatus – Part 8: Photometric reference measurement procedure for the determination of volume	17.060; 71.040.20	2022-04
ISO 8655-9	Piston-operated volumetric apparatus – Part 9: Manually operated precision laboratory syringes	17.060; 71.040.20	2022-04
ISO 8784-3	Pulp, paper and board – Microbiological examination – Part 3: Enumeration of yeast and mould based on disintegration	07.100.99; 85.040; 85.060	2022-04
ISO 8848	Small craft – Remote mechanical steering systems	47.080	2022-04
ISO 9022-3	Optics and photonics – Environmental test methods – Part 3: Mechanical stress	37.020	2022-04
ISO/TR 9241-311	Ergonomics of human-system interaction – Part 311: Application of ISO 9241-307: LCD screens for workstations	13.180; 35.180	2022-04
ISO 9362	Banking – Banking telecommunication messages – Business identifier code (BIC)	03.060	2022-04
ISO 9727-8	Cylindrical cork stoppers – Physical tests – Part 8: Determination of capillarity	55.100; 79.100	2022-04
ISO 10645	Nuclear energy – Light water reactors – Decay heat power in non-recycled nuclear fuels	27.120.10	2022-04
ISO 10813-4	Vibration generating machines – Guidance for selection – Part 4: Equipment for multi-axial environmental testing	17.160	2022-04
ISO 11010-1	Passenger cars – Simulation model classification – Part 1: Vehicle dynamics	43.100	2022-04
ISO 11608-1	Needle-based injection systems for medical use – Requirements and test methods – Part 1: Needle-based injection systems	11.040.25	2022-04
ISO 11608-2	Needle-based injection systems for medical use – Requirements and test methods – Part 2: Double-ended pen needles	11.040.25	2022-04
ISO 11608-3	Needle-based injection systems for medical use – Requirements and test methods – Part 3: Containers and integrated fluid paths	11.040.25	2022-04
ISO 11608-4	Needle-based injection systems for medical use – Requirements and test methods – Part 4: Needle-based injection systems containing electronics	11.040.25	2022-04
ISO 11608-5	Needle-based injection systems for medical use – Requirements and test methods – Part 5: Automated functions	11.040.25	2022-04
ISO 11608-6	Needle-based injection systems for medical use – Requirements and test methods – Part 6: On-body delivery systems	11.040.25	2022-04
ISO 12855	Electronic fee collection – Information exchange between service provision and toll charging	03.220.20; 35.240.60	2022-04
ISO 12863	Standard test method for assessing the ignition propensity of cigarettes	13.220.40; 65.160	2022-04
ISO 13503-3	Petroleum and natural gas industries – Completion fluids and materials – Part 3: Testing of heavy brines	75.100	2022-04
ISO/TS 14029	Environmental statements and programmes for products – Mutual recognition of environmental product declarations (EPDs) and footprint communication programmes	13.020.50	2022-04
ISO 14229-5	Road vehicles – Unified diagnostic services (UDS) – Part 5: Unified diagnostic services on Internet Protocol implementation (UDSonIP)	43.180	2022-04
ISO 14229-7	Road vehicles – Unified diagnostic services (UDS) – Part 7: UDS on local interconnect network (UDSonLIN)	43.180	2022-04

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ISO/TR 14799-1	Comparison of worldwide escalator and moving walk safety standards – Part 1: Clause by clause comparison	91.140.90	2022-04
ISO/TS 14812	Intelligent transport systems – Vocabulary	01.040.03; 01.040.35; 03.220.01; 35.240.60	2022-04
ISO 16844-2	Road vehicles – Tachograph systems – Part 2: Recording unit communication interface	43.040.10	2022-04
ISO 17405	Non-destructive testing – Ultrasonic testing – Technique of testing claddings produced by welding, rolling and explosion	19.100	2022-04
ISO 17447-1	Road Vehicles – Glow plugs with conical seating and their cylinder head housing – Part 1: Basic characteristics and dimensions for metal-sheath-type glow plugs	43.060.50	2022-04
ISO 17842-2	Safety of amusement rides and amusement devices – Part 2: Operation and use	97.200.40	2022-04
ISO 17842-3	Safety of amusement rides and amusement devices – Part 3: Requirements for inspection during design, manufacture, operation and use	97.200.40	2022-04
ISO 18064	Thermoplastic elastomers – Nomenclature and abbreviated terms	01.040.83; 83.080.20	2022-04
ISO/TR 18228-9	Design using geosynthetics – Part 9: Barriers	59.080.70	2022-04
ISO/TS 18621-11	Graphic technology – Image quality evaluation methods for printed matter – Part 11: Colour gamut analysis	37.100.10	2022-04
ISO 20421-1 AMD 1	Cryogenic vessels – Large transportable vacuum-insulated vessels – Part 1: Design, fabrication, inspection and testing; Amendment 1	23.020.40	2022-04
ISO 20765-5	Natural gas – Calculation of thermodynamic properties – Part 5: Calculation of viscosity, Joule-Thomson coefficient, and isentropic exponent	75.060	2022-04
ISO/TR 21380	Matcha tea – Definition and characteristics	67.140.10	2022-04
ISO 22057	Sustainability in buildings and civil engineering works – Data templates for the use of environmental product declarations (EPDs) for construction products in building information modelling (BIM)	35.240.67; 91.040.01	2022-04
ISO/TS 22247	Optics and photonics – Effective numerical aperture of laser lenses – Definition and verification procedure	31.260	2022-04
ISO 22458	Consumer vulnerability – Requirements and guidelines for the design and delivery of inclusive service	03.080.30	2022-04
ISO 22507	Plain bearings – Fluid film bearing materials for vehicular turbocharger	21.100.10	2022-04
ISO/TS 22704	Mechanical vibration – Uncertainty of the measurement and evaluation of human exposure to vibration	13.160	2022-04
ISO 22893	Space systems – Software product assurance (SPA)	49.140	2022-04
ISO/TS 22933	Surface chemical analysis – Secondary ion mass spectrometry – Method for the measurement of mass resolution in SIMS	71.040.40	2022-04
ISO/TR 23255	Intelligent transport systems – Architecture – Applicability of data distribution technologies within ITS	03.220.01; 35.240.60	2022-04
ISO 23320	Workplace air – Gases and vapours – Requirements for evaluation of measuring procedures using diffusive samplers	13.040.30	2022-04
ISO 23435	Air quality – Test methods for snow depth sensors	07.060	2022-04
ISO 23515	Titanium and titanium alloys – Designation system	77.120.50	2022-04
ISO 23616	Cleaning, inspection and repair of firefighters' personal protective equipment (PPE)	13.340.10	2022-04
ISO 23730	Marine technology – Marine environment impact assessment (MEIA) – General technical requirements	13.020.30; 47.020.01	2022-04
ISO 23749	Microbeam analysis – Electron backscatter diffraction – Quantitative determination of austenite in steel	71.040.50	2022-04
ISO 23835	Space Systems – Mechanism design and verification	49.140	2022-04

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ISO 23991	Irrigation applications of ductile iron pipelines – Product design and installation	23.040.10; 77.140.75	2022-04
ISO 24040	Textiles – Determination of certain benzotriazole compounds	59.060.01	2022-04
ISO/TS 24159	Refuse collection vehicles – Safety of manual and rear-loaded refuse collection vehicles	43.160	2022-04
ISO 24360	Composites and reinforcements fibres – Carbon fibre reinforced plastics (CFRPs) and metal assemblies – Determination of the cross tension strength	83.120	2022-04
ISO/TS 28660	Plastics – Determination of J-R curves – Fracture toughness	83.080.01	2022-04
ISO 28881	Machine tools – Safety – Electrical discharge machines	25.080.01	2022-04
ISO 30401 AMD 1	Knowledge management systems – Requirements; Amendment 1	03.100.30	2022-04
ISO 80601-2-13	Medical electrical equipment – Part 2-13: Particular requirements for basic safety and essential performance of an anaesthetic workstation	11.040.10	2022-04

## Međunarodna normizacija (IEC)

Oznaka norme	Naslov norme	ICS	Datum objave
IEC/TR 62271-307	High-voltage switchgear and controlgear – Part 307: Guidance for the extension of validity of type tests of AC metal and solid-insulation enclosed switchgear and controlgear for rated voltages above 1 kV and up to and including 52 kV	29.130.10	2022-04
IEC/TR 61850-90-23	Communication networks and systems for power utility automation – Part 90-23: Use of IEC 61850 for microgrid systems	29.240.99; 33.040.40	2022-04
IEC/TR 61850-90-22	Communication networks and systems for power utility automation – Part 90-22: SCD based substation network auto-routing with visualization and supervision support	33.040.40; 33.200	2022-04
IEC/PAS 63441	Functional Architecture of Industrial Internet System for Industrial Automation Applications	35.240.50; 35.240.95	2022-04
IEC/TR 62285	Application guide for nonlinear coefficient measuring methods	33.180.10	2022-04
IEC/TR 63442	Guidelines for the assessment of rodent resistance for optical fibre cable	33.180.10	2022-04
IEC/TR 60728-201	Cable networks for television signals, sound signals and interactive services – A Study of IPTV System for Optical Broadcast Service – Part 201: IPTV Examples and Applications	33.170; 35.240.95	2022-04
IEC/TR 63377	Procedures for the assessment of human exposure to electromagnetic fields from radiative wireless power transfer systems – measurement and numerical simulation methods (Frequency range of 30 MHz to 300 GHz)	13.280; 33.070.99	2022-04
IEC/TR 63340-3	Electronic displays for special applications – Part 3: Gaming and e-sports	31.120	2022-04
IEC/TR 62715-6-21	Flexible display devices – Part 6-21: Foldable durability test for foldable display set	31.120; 31.260	2022-04
IEC/TR 63434	Low voltage switchgear and controlgear – Partial discharge voltages and PD-level in low voltage switchgear and controlgear	29.130.20	2022-04
IEC 60318-8	Electroacoustics – Simulators of human head and ear – Part 8: Acoustic coupler for high-frequency measurements of hearing aids and earphones coupled to the ear by means of ear inserts	17.140.50	2022-04
IEC 60335-2-115 Corrigendum 1	Household and similar electrical appliances – Safety – Part 2-115: Particular requirements for skin beauty care appliances; Corrigendum 1	97.170	2022-04
IEC 60747-5-4	Semiconductor devices – Part 5-4: Optoelectronic devices – Semiconductor lasers	31.080.01; 31.260	2022-04
IEC 60749-10	Semiconductor devices – Mechanical and climatic test methods – Part 10: Mechanical shock – Device and subassembly	31.080.01	2022-04
IEC 60794-1-310	Optical fibre cables – Part 1-310: Generic specification – Basic optical cable test procedures – Cable element test methods – Strippability, method G10	33.180.10	2022-04
IEC 60794-3-40	Optical fibre cables – Part 3-40: Outdoor cables – Family specification for cables for storm and sanitary sewers	33.180.10	2022-04
IEC 60810 AMD 2	Lamps, light sources and LED packages for road vehicles – Performance requirements; Amendment 2	29.140.99; 43.040.20	2022-04
IEC 60810 Edition 5.2	Lamps, light sources and LED packages for road vehicles – Performance requirements	29.140.99; 43.040.20	2022-04
IEC 61300-1	Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 1: General and guidance	33.180.20	2022-04
IEC 61340-5-3	Electrostatics – Part 5-3: Protection of electronic devices from electrostatic phenomena – Properties and requirements classification for packaging intended for electrostatic discharge sensitive devices	17.220.20; 17.220.99; 29.020; 31.020; 55.020	2022-04
IEC 62067	Power cables with extruded insulation and their accessories for rated voltages above 150 kV (Um = 170 kV) up to 500 kV (Um = 550 kV) – Test methods and requirements	29.060.20	2022-04

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IEC 62196-6	Plugs, socket-outlets, vehicle connectors and vehicle inlets – Conductive charging of electric vehicles – Part 6: Dimensional compatibility requirements for DC pin and contact-tube vehicle couplers intended to be used for DC EV supply equipment where protection relies on electrical separation	29.120.30; 43.040.10; 43.120	2022-04
IEC 62271-102 AMD 1	High-voltage switchgear and controlgear – Part 102: Alternating current disconnectors and earthing switches; Amendment 1	29.130.10; 29.130.99	2022-04
IEC 62271-102 Edition 2.1	High-voltage switchgear and controlgear – Part 102: Alternating current disconnectors and earthing switches	29.130.10; 29.130.99	2022-04
IEC/TS 62565-5-2	Nanomanufacturing – Material specifications – Part 5-2: Nano-enabled electrodes of electrochemical capacitors – Blank detail specification	07.120; 31.060.99	2022-04
IEC/TS 62600-202	Marine energy – Wave, tidal and other water current converters – Part 202: Early stage development of tidal energy converters – Best practices and recommended procedures for the testing of pre-prototype scale devices	27.140; 27.190; 29.160.20	2022-04
IEC 62623	Desktop and notebook computers – Measurement of energy consumption	27.015; 35.020; 35.160	2022-04
IEC 62631-2-2	Dielectric and resistive properties of solid insulating materials – Part 2-2: Relative permittivity and dissipation factor – High frequencies (1 MHz to 300 MHz) – AC methods	17.220.99; 29.035.01	2022-04
IEC 62841-3-5	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 3-5: Particular requirements for transportable band saws	25.140.20	2022-04
IEC/TR 62878-2-9	Device embedding assembly technology – Part 2-9: Guidelines – Concept of JISSO Level in the electronic assembly technology industries	31.180; 31.190	2022-04
IEC/TS 62933-2-2	Electrical energy storage (EES) systems – Part 2-2: Unit parameters and testing methods – Application and performance testing	13.020.30; 27.010	2022-04
IEC 63033-1	Multimedia systems and equipment for vehicles – Surround view system – Part 1: General	33.160.99; 35.240.60; 43.040.15	2022-04
IEC 63033-2	Multimedia systems and equipment for vehicles – Surround view system – Part 2: Recording methods of the surround view system	33.160.99; 35.240.60; 43.040.15	2022-04
IEC 63033-3	Multimedia systems and equipment for vehicles – Surround view system – Part 3: Measurement methods	33.160.60; 35.240.60; 43.040.10; 43.040.15	2022-04
IEC 63033-4	Multimedia systems and equipment for vehicles – Surround view system – Part 4: Application for camera monitor systems	33.160.60; 35.240.60; 43.040.10; 43.040.15	2022-04
IEC 63093-10	Ferrite cores – Guidelines on dimensions and the limits of surface irregularities – Part 10: PM-cores and associated parts	29.100.10	2022-04
IEC 63203-201-1	Wearable electronic devices and technologies – Part 201-1: Electronic textile – Measurement methods for basic properties of conductive yarns	59.080.20; 59.080.80	2022-04
IEC 63203-201-2	Wearable electronic devices and technologies – Part 201-2: Electronic textile – Measurement methods for basic properties of conductive fabrics and insulation materials	59.080.30; 59.080.80	2022-04
IEC 63275-1	Semiconductor devices – Reliability test method for silicon carbide discrete metaloxide semiconductor field effect transistors – Part 1: Test method for bias temperature instability	31.080.30	2022-04
IEC 63284	Semiconductor devices – Reliability test method by inductive load switching for gallium nitride transistors	31.080.30	2022-04
IEC/TR 63352	Transmitting and receiving equipment for radiocommunication – Radio spectrum measurement method – 300-GHz spectrum measurement equipment	33.060.20; 33.180.99	2022-04
IEC 63370	Lithium-ion batteries and charging systems – Safety	25.140.20; 29.220.30	2022-04
ISO/IEC 7816-11	Identification cards – Integrated circuit cards – Part 11: Personal verification through biometric methods	35.240.15	2022-04

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ISO 15118-20	Road vehicles – Vehicle to grid communication interface – Part 20: 2nd generation network layer and application layer requirements	13.020-80; 43.120	2022-04
ISO/IEC 17060	Conformity assessment – Code of good practice	03.120.20	2022-04
ISO/IEC 18033-7	Information security – Encryption algorithms – Part 7: Tweakable block ciphers	35.030	2022-04
ISO/IEC 19944-2	Cloud computing and distributed platforms – Data flow, data categories and data use – Part 2: Guidance on application and extensibility	35.210	2022-04
ISO/IEC 23003-7	Information technology – MPEG audio technologies – Part 7: Unified speech and audio coding conformance testing	35.040.40	2022-04
ISO/IEC 23091-3 AMD 1	Information technology – Coding-independent code points – Part 3: Audio – Amendment 1: Headphone support	35.040.40	2022-04
ISO/IEC 23634	Information technology – Automatic identification and data capture techniques – JAB Code polychrome bar code symbology specification	35.040.50	2022-04
ISO/IEC 38507	Information technology – Governance of IT – Governance implications of the use of artificial intelligence by organizations	35.020	2022-04